

2010

Programs and Courses Catalog 2010-2012

University of Northern Iowa

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University of Northern Iowa
Programs and Courses Catalog
2010-2012

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Programs and Courses Catalog

2010-2012

Effective May 1, 2010

This University of Northern Iowa publication contains general information regarding fees, curricula, and related policies and procedures. 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 2010-2012

Summer Session, 2010-

May	10	Mon., instruction begins, 7:30 a.m.
May	31	Mon., legal holiday (Memorial Day)
July	5	Mon., legal holiday observed
July	30	Fri., summer session ends, 10:00 p.m.

(May session - 4 weeks)

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

(May/mid-June session - 6 weeks)

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

(June session - 4 weeks)

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

(June/July session - 8 weeks)

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

(mid-June/July session - 6 weeks)

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

(July session - 4 weeks)

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

Fall Semester, 2010-

Aug.	20	Fri., registration, 9:00 a.m.-4:00 p.m.
Aug.	23	Mon., instruction begins, 8:00 a.m.
Sept.	6	Mon., legal holiday (Labor Day)
Oct.	15	Fri., first half semester ends, 10:00 p.m.
Oct.	18	Mon., second half semester begins, 8:00 a.m.
Nov.	22-26	Mon.-Fri., Thanksgiving break
Nov.	29	Mon., instruction resumes, 8:00 a.m.
Dec.	13-17	Mon.-Fri., final examinations
Dec.	17	Fri., semester ends, 10:00 p.m.
Dec.	18	Sat., commencement

Spring Semester, 2011-

Jan.	7	Fri., registration, 9:00 a.m.-4:00 p.m.
Jan.	10	Mon., instruction begins, 8:00 a.m.
Jan.	17	Mon., university holiday (Martin Luther King's birthday observed)
Feb.	25	Fri., first half semester ends, 10:00 p.m.
Feb.	28	Mon., second half semester begins, 8:00 a.m.
Mar.	14-18	Mon.-Fri., spring break.
Mar.	21	Mon., instruction resumes, 8:00 a.m.
May	2-6	Mon.-Fri., final examinations
May	6	Fri., semester ends, 10:00 p.m.
May	7	Sat., commencement

Summer Session, 2011-

May	9	Mon., instruction begins, 7:30 a.m.
May	30	Mon., legal holiday (Memorial Day)
July	4	Mon., legal holiday observed
July	29	Fri., summer session ends, 10:00 p.m.

(May session - 4 weeks)

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

(May/mid-June session - 6 weeks)

May	9	Mon., instruction begins, 7:30 a.m.
June	17	Fri., May/mid-June session ends, 10:00 p.m.

(June session - 4 weeks)

June	6	Mon., instruction begins, 7:30 a.m.
July	1	Thurs., June session ends, 10:00 p.m.

(June/July session - 8 weeks)

June	6	Mon., instruction begins, 7:30 a.m.
July	29	Fri., June/July session ends, 10:00 p.m.

(mid-June/July session - 6 weeks)

June	20	Mon., instruction begins, 7:30 a.m.
July	29	Fri., mid-June/July session ends, 10:00 p.m.

(July session - 4 weeks)

July	5	Tues., instruction begins, 7:30 a.m.
July	29	Fri., July session ends, 10:00 p.m.

Fall Semester, 2011-

Aug.	19	Fri., registration, 9 a.m.-4 p.m.
Aug.	22	Mon., instruction begins, 8:00 a.m.
Sept.	5	Mon., legal holiday (Labor Day)
Oct.	14	Fri., first half semester ends, 10:00 p.m.
Oct.	17	Mon., second half semester begins, 8:00 a.m.
Nov.	21-25	Mon.-Fri., Thanksgiving break.
Nov.	28	Mon., instruction resumes, 8:00 a.m.
Dec.	12-16	Mon.-Fri., final examinations
Dec.	16	Fri., semester ends, 10:00 p.m.
Dec.	17	Sat., commencement

Spring Semester, 2012-

Jan.	6	Fri., registration, 9:00 a.m.-4:00 p.m.
Jan.	9	Mon., instruction begins, 8:00 a.m.
Jan.	16	Mon., university holiday (Martin Luther King's birthday observed)
Feb.	24	Fri., first half semester ends, 10:00 p.m.
Feb.	27	Mon., second half semester begins, 8:00 a.m.
Mar.	12-16	Mon.-Fri., spring break.
Mar.	19	Mon., instruction resumes, 8:00 a.m.
April 30-May 4		Mon.-Fri., final examinations
May	4	Fri., semester ends, 10:00 p.m.
May	5	Sat., commencement

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

Fall Semester, 2012-

Aug.	17	Fri., registration, 9 a.m.-4 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

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 Industrial Technology degree.

The University of Northern Iowa has grown from its 1876 original campus site of 40 acres with one building - Central Hall, which originally housed orphaned children of Civil War soldiers - until it now embraces 57 principal buildings on a campus of 910 acres, with a fulltime 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 Industrial 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, and the National Recreation and Park Association Council on Accreditation. 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 program areas in the Department of Educational Leadership, Counseling, and Postsecondary Education at the University of Northern Iowa: Mental Health Counseling (M.A.) and School Counseling (M.A.E.).

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 Web site www.cba.uni.edu/dbweb/pages/about/mission.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, and Marketing*. The Bachelor of Arts (B.A.) degree is offered by all five departments. Teaching licensure covers accounting, business communication, business law, entrepreneurship, finance, general business, information technology and management/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 (920:053 and 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: Early childhood education, elementary education, middle level education, literacy education, school library studies, and instructional technology. Graduate degree programs leading to a master's degree are offered, as well as a doctoral intensive study area in curriculum and instruction. For further information, visit the Web site www.uni.edu/coe/ci.

Educational Leadership, Counseling, and Postsecondary Education: Graduate programs at the master's level in educational leadership, counseling* (effective August 2010, the Department of Design, Textiles, Gerontology, and Family Studies was renamed the School of Applied Human Sciences - at that time the counseling programs within the Department of Educational Leadership, Counseling, and Postsecondary Education moved to the School of Applied Human Sciences), and postsecondary education. Graduate programs at the Ed.D. level in educational leadership. For further information, visit the Web site at www.uni.edu/coe/elcpe.

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 Web site www.uni.edu/coe/epf.

School of Health, Physical Education, and Leisure Services: Graduate and undergraduate majors in athletic training; health education (teaching); health promotion; leisure, youth and human services; philanthropy and non-profit development; and physical education (teaching and non-teaching). The school also offers the liberal arts core Personal Wellness course in addition to minors and/or program certificates in coaching, dance, environmental health, global health, health education (teaching), health promotion, leisure, youth and human services, outdoor recreation, physical education (elementary teaching), school age care leadership, tourism, and youth services administration. The school operates multiple laboratory, demonstration projects, performance studios and outreach programs including: athletic training laboratory, biomechanics laboratory, biostatistics laboratory, *Camp Adventure™ Youth Services*, computer instructional laboratory, Early Childhood Motor Development Laboratory (Kindergym), exercise physiology laboratory, Global Health Corps, Institute for Youth Leaders, National Program for Playground Safety, Iowa Center on Health Disparities, Nutriactive Experience: Healthy Lifestyles for Young Children, Physical Activity and Nutrition Among Rural Youth (PANARY), Project PLAY, Program for Recreation Research and Service, Project EXPORT, 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, XL Sports Acceleration Program and the Youth Fitness and Obesity Institute. The school is endorsed by several accrediting bodies and organizing networks including American Humanics, Inc., 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 Web site www.uni.edu/coe/hpels.

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 Web site at www.uni.edu/coe/specialed.

Teaching: The Department of Teaching includes two divisions - Malcolm Price Laboratory School and the Office of Student Field Experiences. Malcolm Price Laboratory School is an integral part of the university's teacher education program and serves three basic functions: provides a direct-experience laboratory for all undergraduate and graduate teacher education students; operates as a center for research, experimentation, and curriculum development; and provides leadership to the elementary and secondary schools of Iowa and the nation through publication, consultation, and a variety of in-service programs and activities. A comprehensive instructional

program is offered for school pupils in nursery-kindergarten through grade 12, including programs for special education and talented/gifted students. 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 sites in urban, suburban, and rural school systems. Out-of-state student teaching placements can be requested through the out-of-state/international center. Each center is staffed with a coordinator who is a member of the UNI faculty and who is responsible for administering the student teaching program within the center and for supervising student teachers on a regular basis. Carefully-selected district-level supervisors and teachers who possess special qualities, teaching skills, and levels of competence also provide continuous classroom supervision for the student teachers.

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. The Malcolm Price Laboratory School represents one area in which experimental and innovative projects are in continual operation, and these projects are open for observation and participation.

College of Humanities and Fine Arts*

www.uni.edu/chfa

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

The College of Humanities and Fine Arts includes seven academic departments: *Art, Communication Studies, Communication Sciences and Disorders, English Language and Literature, Modern Languages, Philosophy and Religion, and Theatre*; the *School of Music*; and the two public radio stations, KUNI and KHKE, housed within *Broadcasting Services*.

The College of Humanities and Fine Arts offers graduate and undergraduate degree programs. Students enrolled in majors in the college can graduate with the Bachelor of Arts (B.A.) degree in specialized content areas in each major department in the college. The Bachelor of Fine Arts (B.F.A.) and Bachelor of Music (B.M.) are also offered in Art and Music respectively. In addition, the college serves students across the campus with an extensive set of liberal arts core, elective, and service courses.

College departments provide diverse major and minor programs at the undergraduate and graduate levels in these areas: art, communication studies, journalism, electronic media, public relations, communicative disorders, speech-language pathology (graduate level), English, Teaching English to Speakers of Other Languages (TESOL), French, German, Spanish, Portuguese, Russian, music, philosophy, religion, ethics, theatre, leadership studies, and an undergraduate minor and Master of Arts (M.A.) in women's and gender studies.

Several departments in the college offer cooperative programs. For instance, the Department of English Language and Literature and the Department of Modern Languages combine in various ways comparative literature, English, modern languages, and TESOL. The School of Music has majors in Music Education and Performance, Music History, and Conducting which lead to the Master of Music (M.M.). Program certificates are available in these departments in the College of Humanities and Fine Arts: Modern Languages - Language Studies (French, German, Hispanic and Portuguese, Russian, and Spanish), International Commerce, Spanish for Special Purposes, and Translation: Spanish; Music (Artist Diploma I and II).

The College of Humanities and Fine Arts also shares responsibility for the interdisciplinary undergraduate program in Global Studies.

Additionally, the College of Humanities and Fine Arts sponsors a wide variety of programs abroad (Eastern and Western Europe, Central and South America) and co-curricular activities for university students in all majors, for talented high school students, and for the community at large. Some examples of these activities include the art scholarship competition, the music and theatre festivals, forensics competitions and others. 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 Theatre UNI and UNI Lyric Theatre, and the art exhibitions organized by the UNI Gallery of Art.

Administratively housed in the College of Humanities and Fine Arts 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 98.7 in Dubuque, 94.5 in the Quad Cities, 96.1 in Des Moines, and 91.5 in north central Iowa via KUNY-FM in Mason City. KUNI/KUNY broadcast quality music and public affairs features each day. KHKE-FM, at 89.5 on the dial, serves the Cedar Falls/Waterloo metro area with a jazz and classical music format. KHKE is also heard at 90.7 in Mason City, and at 1010 AM in northern Iowa and southern Minnesota, via KRNI-AM in Mason City. Students majoring in Electronic Media in the Department of Communication Studies serve as interns for the two stations.

The College of Humanities and Fine Arts prepares its graduates for lifelong learning and for a productive life in a rapidly-changing society and economic environment. Undergraduate programs in Communication Studies, English, Modern Languages, World Religions and Philosophy offer a broad range of curriculum choices to prepare students for cross-cultural understanding and life in a global economy. In all of these programs students learn life-long skills in public speaking, listening, critical thinking, reflection, decision-making, and analysis. Students in English graduate with excellent skills in writing, editing, publishing, and presenting public information while graduates in modern languages are prepared for public service, work in government, international organizations and the private sector, serving as translators and/or interpreters or working for transnational business corporations. While some of our students pursue teaching careers in the arts or the humanities, other students, in Communication Sciences and Disorders, for example, look toward careers as professional therapists. A number of our majors will become professional performers as actors, artists, or musicians. Most UNI students take major components of the university's Liberal Arts Core in the College of Humanities and Fine Arts - for instance, courses in the humanities, in literature or writing, in philosophy and world religions, in the appreciation of art, music, and theatre, in foreign languages and world languages and cultures, or in electives. For both personal and professional reasons, we believe human achievements in the liberal and fine arts are relevant and valuable studies for all the students of the university.

College of Natural Sciences*

www.cns.uni.edu

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

The College of Natural Sciences houses seven instructional departments: *Biology, Chemistry and Biochemistry, Computer Science, Earth Science, Industrial Technology, Mathematics, and Physics.*

The mission of the College of Natural Sciences is to provide a quality education which will prepare students to live and work in an increasingly scientific and technological world. In support of this mission, the college is committed to its emphasis on quality teaching in undergraduate liberal and technical education; well-focused graduate programs, research and technology transfer; and distinguished service to our community, state, profession, and society. The college offers exemplary programs of preservice and inservice teacher preparation in the sciences, mathematics, computer science, and industrial technology. In fulfilling this mission, the college remains committed to its historical emphasis on instructional excellence at the undergraduate and graduate levels. Such excellence is achieved by maintaining a stimulating educational environment that encourages close faculty-student interactions, scholarly research and professional service.

Majors and minors are available in all departments under both liberal arts and teaching programs leading to the Bachelor of Arts degree, with the exception of Computer Science which does not have a teaching major. The departments of Biology, Chemistry and Biochemistry, Computer Science, Earth Science, Industrial Technology, and Physics have majors leading to the Bachelor of Science degree. In addition, students may major in science to prepare for teaching all the sciences at the secondary level. This is an interdepartmental major and is offered under the general jurisdiction and supervision of the Dean of the College.

Qualified students may pursue a dual degree program leading to a B.S. Applied Physics from the University of Northern Iowa and a B.S. Engineering degree from the University of Iowa or Iowa State University. Students who intend to study engineering may complete the two-year Pre-Engineering program at UNI before transferring to an engineering school. For details of this option, please refer to the Physics section of this catalog.

Since science education does involve the cooperation of a number of departments, a science education faculty functions in providing and promoting this education. The science education faculty is comprised of individuals from various departments. A

chairperson coordinates courses and programs and signs approvals.

At the graduate level, the college offers Master of Arts degree programs in biology, chemistry, mathematics, and science education. The college also offers Master of Science degree programs in biology, chemistry, computer science, environmental science, environmental health, and technology. The major in biology is tailored to fit student interests and aspirations in biology and is designed for students seeking an extensive research experience; the major in chemistry is designed for students seeking an extensive research experience in a friendly environment featuring regular interaction with their faculty mentors - graduates of the program are well prepared for technical positions in industrial or government laboratories or for continued study in doctoral programs in chemistry; the major in computer science is designed to foster preparation for applied professional careers in computing sciences; the interdisciplinary programs in environmental science and environmental health are designed for students with a discipline-based bachelor's degree in one of the natural sciences, technology, or engineering and prepares students for positions with environmental consulting firms, government agencies, environmental departments within large companies, and companies specializing in environmental technologies. The major in technology offers technical emphases in industrial management, construction management, electrical engineering technology, graphic communication, manufacturing materials, manufacturing technology, and technology education and training. The M.S. degrees in biology, and chemistry are also offered in a B.A./M.S. format, in which students begin work on the master's degree while still completing the undergraduate degree. The college also offers the Professional Science Master's degree programs in biotechnology, ecosystem management, applied chemistry and biochemistry, industrial mathematics, and applied physics. The P.S.M. degree combines scientific or technical training with abbreviated business training and interdisciplinary cohort-building experiences. The degree of Doctor of Industrial Technology is offered by the college and is designed to develop scholars in the fields of industry and education. Program focus is on the technological systems used in industry and the potential and limitations of possible future developments in technological systems and their utilization in industry.

The career opportunities for graduates in the College of Natural Sciences are numerous and diverse. Most departments offer programs for prospective teachers in elementary and secondary schools. Departmental offices are excellent sources of information about other careers.

The College of Natural Sciences is involved in a number of interdepartmental and intercollegiate projects. CNS scholarships are awarded to high school seniors in the areas of biology, chemistry, computer science, earth science, industrial technology, mathematics, and science.

College of Social and Behavioral Sciences

www.uni.edu/csbs

The College of Social and Behavioral Sciences houses seven instructional departments: **Design, Textiles, Gerontology, and Family Studies* (*Effective August 2010, the Department of Design, Textiles, Gerontology, and Family Studies changed its name to *School of Applied Human Sciences*; effective August 2010, the Counseling programs within the Department of Educational Leadership, Counseling, and Postsecondary Education moved to the *School of Applied Human Sciences*); *Geography; History; Political Science; Psychology; Social Work; and 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 minor in Asian Studies, and 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; 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, Criminology, Sociology, 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 Web site 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, call 319-273-2122 or 1-800-772-1746, e-mail continuinged@uni.edu, or 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 the 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 (Fresno), University of New Mexico, University of Idaho, University of Georgia, University of South Carolina, and University of Maine (Orono).

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 the Individual Studies Office, 2637 Hudson Road, Cedar Falls, IA 50614-0285, 319-273-2504 or 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 (000:192, section 1). 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 (000:196). 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 (000:197). 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 (000:198). 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)** provides leadership for initiating programs and responding to opportunities that enhance the objectives of internationalization throughout the university.

OIP:

- Coordinates programs that bring students, faculty, and staff from diverse backgrounds together utilizing cultural differences as an education resource;
- Promotes faculty engagement in international collaborations through research and teaching;
- Serves as facilitator for the Fulbright Program and as the principal liaison for international outreach activities to local, state, and regional organizations;
- Hosts a large cadre of graduate and undergraduate exchange students and visiting scholars each academic year;
- Facilitates exchange agreements with more than 60 universities around the world;
- Coordinates the campus-wide celebration of International Education Week;
- Hosts an Exchange Student Reception each semester.

These international exchanges contribute to the cultural diversity of the campus, strengthen international collaborative teaching and research efforts, and increase an exchange of information across all disciplines on a global level. For further information on any of these programs, contact the Office of International Programs, 28 Gilchrist, University of Northern Iowa, Cedar Falls, IA 50614-0520 or call 319-273-6807 or fax 319-273-2921.

Study Abroad Center
www.uni.edu/studyabroad

The **Study Abroad Center** (SAC) offers academic opportunities in over 60 countries and administers over 25 faculty-led programs. SAC programs range in duration from 2 weeks to one year and allow students to earn UNI credit while studying abroad. Programs are designed to accommodate a student's program of study. An optional 1-3 credit hour course, "Preparation for Study Abroad", is offered each fall and spring semester to enable students to understand and take full advantage of their study abroad experience.

Increasingly, students recognize that international academic experiences are critical to success in today's global community. Whether a student seeks to become fluent in another language, pursue an international degree, participate in an international service learning opportunity, or simply experience life in another culture, the Study Abroad Center can make it happen.

Exchange Opportunities

Partner Exchange Programs: UNI tuition-based programs with partner universities abroad are typically the most economical and include summer short courses, semester, and academic year programs.

Faculty-led Programs: Summer and short term programs led by UNI faculty, usually focus on a specific course offering, and vary in length from 2 to 6 weeks. Programs are offered during academic breaks and throughout the summer.

Iowa Regents Programs: Semester, academic year, and short term programs are available to students from Iowa public universities through a consortium representing the three Regents universities. UNI student access to these programs is through the SAC.

Affiliate Programs: Semester, academic year, and short term programs in various destinations around the world organized by third party providers in partnership with the UNI SAC.

Services and Resources

- Program information, selection and application support;
- Academic planning and course approval facilitation;
- SA registration and enrollment;
- Academic transcript and credit transfer support;
- Scholarships and financial assistance and information clearinghouse;
- Travel arrangement assistance;
- Pre-departure orientation and country-specific advice, including safety and security;
- Peer advisor consultations and cultural recommendations;
- Study and travel abroad library resources;
- International Student Identity Card (ISIC) issuance;
- Passport, ID, and visa photo services;
- Short-term faculty-led program support, including budget development and administration;
- Risk management of programs abroad;
- International crisis response office;
- Reports on international activities (Open Doors & Board of Regents).

For further information on any of these programs, contact the **Study Abroad Center** at 28 Gilchrist, University of Northern Iowa, Cedar Falls, IA 50614-0520 or call 319-273-7078 or fax 319-273-2921 or visit www.uni.edu/studyabroad or www.facebook.com/UNISStudyAbroad.

Culture and Intensive English Program
www.uni.edu/ciep

The **Culture and Intensive English Program** (CIEP) provides a course of instruction for non-native speakers of English that emphasizes a practical command of spoken and written English in preparation for academic studies. CIEP offers eight-week sessions beginning in August, October, January, March, and June. Each session is preceded by an orientation session for new students. For exact dates of upcoming sessions, please contact the CIEP office.

Each session provides 20 classroom hours per week of English language study and cultural orientation. Students are taught by experienced instructors in small classes. The unique needs of each student are addressed through careful testing and placement according to ability.

Courses offered within the program include Listening and Speaking, Reading, Writing, and Pronunciation (optional). This progressive approach to language study allows students to more quickly develop and retain skills, such as listening comprehension, speaking/pronunciation, reading comprehension/vocabulary expansion, and writing/grammar. Students successfully completing the program are awarded a Certification of Completion.

In addition to classroom instruction, CIEP offers many opportunities for social and cultural exchanges with native speakers through its Conversation Partners program, International Friendship program, class exchanges, culture talks, and field trips.

For further information on any of these programs, contact the Culture and Intensive English Program, 72 Baker, University of Northern Iowa, Cedar Falls, IA 50614-0511 or call 319-273-2182 or fax 319-273-3333 or visit www.uni.edu/ciep.

International Services Office

www.uni.edu/internationalservices

The **International Services Office (ISO)** provides specialized, professional international services to students, exchange visitors, staff, faculty, and the local community.

Services provided include:

- Immigration services (Student and Exchange Visitor Information System [SEVIS]) compliance;
- Arrival assistance for new international students;
- Orientation programs for new international students;
- International student advising;
- Advocacy;
- Cultural and informational programming;
- Crisis management.

ISO facilitates positive cultural experiences such as field trips, ethnic dinner, holiday social events and support for international student associations and clubs. For further information on any of these programs, contact the International Services Office, 113 Maucker Union, Cedar Falls, IA 50614-0520, or call 319-273-6421 or fax 319-273-6103 or visit www.uni.edu/internationalservices.

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 some 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.

These partnerships are often known as 2+2 programs, although the time to complete a degree may take more than four years depending on individual circumstances. Contact UNI Office of Admissions to find out if an agreement is available in a specific area of interest.

In certain instances, 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.

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 the UNI Office of Admissions, Cedar Falls, IA; phone 319-273-2281.

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

The laboratory was established in 1909 for the conservation and study of the rich flora and fauna of northwest Iowa, especially those of the Iowa Great Lakes region with its numerous lakes, wetlands, and prairies. Its campus is located on approximately 140 acres of restored prairie, wetland, and gallery forest along the west shore of West Okoboji Lake. Lakeside's mission is to provide undergraduate and graduate students an opportunity to get hands-on experience working with a variety of natural and human environments through its field-oriented summer courses and to provide research facilities and support for graduate students and faculty working on research projects in northwestern Iowa.

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

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 125, East Bartlett.

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 Web site 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.

$$\begin{array}{r}
 (2 \times \text{ACT composite score}) \\
 + \\
 (1 \times \text{percentile high school rank}) \\
 + \\
 (20 \times \text{high school GPA}) \\
 + \\
 \underline{(5 \times \text{number of high school core courses})} \\
 \text{Regent Admission Index Score}
 \end{array}$$

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.

Applicants from Iowa high schools 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:

- A. Be admitted unconditionally;
- B. Be admitted conditionally; or
- C. Be denied admission.

Applications from approved high schools in other states may be held to higher academic standards, but must meet at least the same requirements as graduates of Iowa high schools.

For purposes of calculating the RAI, SAT 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 feel their academic record is not an accurate reflection of their potential for success are encouraged to provide supplemental information explaining their circumstances in addition to the application, academic transcripts, and test scores.

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. 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:

- A. Be admitted unconditionally;
- B. Be admitted conditionally; or
- C. 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.

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 foreign language* and/or fine arts.

*Two years of **one** foreign 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 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 \$50 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/residency.shtml

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:

- 1. A statement from the student describing employment and expected sources of support;
 - 2. A statement from the student's employer;
 - 3. 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;
 - 4. 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.
 - 5. Supporting statements from persons who might be familiar with the family situation;
 - 6. Iowa state income tax return.
- D. Applications for resident classification for a given semester or session are due no later than the fifteenth class day of that semester or session. Applications received after the fifteenth class day of that semester or session will be considered for the next semester or session. Appeals of any nonresident classification decision resulting from applications for resident classification are due no later than midterm of that semester or session. Change of classification from nonresident 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.

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

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

- 1. Has not acquired a domicile in another state,
 - 2. Has maintained a continuous voting record in Iowa, and
 - 3. Has filed regular Iowa resident income tax returns during absence from the state.
- D. 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.
 - E. 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.
 - F. 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:
 - 1. Comes directly to the state of Iowa from a refugee facility or port of debarkation, or
 - 2. 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.
 - G. An alien who has immigrant status establishes Iowa residency in the same manner as a United States citizen.
 - H. 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.

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:

1. 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.
2. 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.
3. 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.

III. Facts

- A. The following circumstances, *although not necessarily conclusive*, have probative value in support of a claim for resident classification:
 1. 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.
 2. Reliance upon Iowa resources for financial support.
 3. Domicile in Iowa of persons legally responsible for the student.
 4. Former domicile in the state and maintenance of significant connections therein while absent.
 5. Acceptance of an offer of permanent employment in Iowa.
 6. Other facts indicating the student's domicile will be considered by the universities in classifying the student.
- B. The following circumstances, standing alone, do not constitute sufficient evidence of domicile to effect classification of a student as a resident under these regulations:
 1. Voting or registration for voting.
 2. Employment in any position normally filled by a student.
 3. The lease of living quarters.
 4. Admission to a licensed practicing profession in Iowa.
 5. Automobile registration.
 6. Public records, for example, birth and marriage records, Iowa driver's license.
 7. Continuous presence in Iowa during periods when not enrolled in school.
 8. 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 2010, 2011, and 2012 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 the Office of the Registrar, Cedar Falls, IA 50614-0006 or visit the Web site 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 front section of the Schedule of Classes for that particular semester; this schedule is available at the Office of the Registrar Web site www.uni.edu/registrar/reginfo.htm. Students can also access their registration information via the Web at www.uni.edu/registrar/reginfo.htm or <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/infosys/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/infosys/tuition.

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

Fee Payment and Billing. The university offers students the option of paying their tuition fees and residence hall room and board contracts in one payment at the time of billing or in three monthly installments. Each university electronic U-bill will give the student the option of paying the account balance at the time of billing or the minimum amount due (installment amount). A \$20 administrative charge will be assessed one time per semester for the installment payment plan. Normally, three installment payments can be made for a regular semester depending on the date of registration.

Other fees for which students will be billed are parking permits, health center fees, athletic tickets, laboratory fees, university apartment rent, and miscellaneous fees which may occur. These are not included in the installment option.

The university does not mail paper bills to enrolled students or their parents. Instead, electronic U-bills are available through MyUNiverse at <http://myuniverse.uni.edu> Monthly U-bills are generated the 10th of every month and payments are due approximately the 5th of the following month. For billing dates and payment due dates, refer to the Schedule of Classes for the appropriate session or visit the Web site at www.uni.edu/registrar. It is the student's responsibility to check their U-bill account at least monthly and make required payments by the due date.

Note: Students electing to use the installment payment program are reminded that they will be placed under Restricted Enrollment status if payments are not made to the University Office of Business Operations by the date specified on the billing. A \$25 restricted enrollment fee will be assessed for each billing which remains past due. Students placed on Restricted Enrollment status will not be permitted to pre-register or to receive academic records until this status has been lifted.

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
Web site: 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

Financial Aid Award Notification, Online Job Board, University Scholarship Application, scholarship directory, 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.

Federal Student Aid Programs

Students must complete a Free Application for Federal Student Aid (FAFSA) form 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). Students need to apply for financial aid each year. Applying for a Parent Loan for Undergraduate Students (PLUS) does not require the completion of a FAFSA, however, it is recommended.

Qualifying for student aid requires enrollment of at least half-time, and admission in a degree or certificate program. Financial aid is not available for correspondence (specified as Guided Independent Study at UNI), Camp Adventure, or audited courses.

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. A 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.

Perkins Loan. Perkins Loans awards are based on need and range from \$200 to \$2,000. Interest begins accruing 9 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.

Work Study. These are programs for students with financial need who desire employment to help pay for educational expenses. Both undergraduate and graduate students can qualify for work study. The minimum pay rate is \$7.25 per hour.

Direct Stafford Loan (subsidized and unsubsidized). The Subsidized Stafford Loan is based on financial eligibility. The Unsubsidized Stafford Loan is available to all degree-seeking students. 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. The total amount an undergraduate may have outstanding cannot exceed \$36,000. 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. Repayment begins six months after the student ceases to be enrolled at least half-time.

Parent Loan for Undergraduate Student (PLUS). 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.

Standards of Satisfactory Progress for Financial Aid Eligibility

***Policy changes are scheduled to take place beginning with the 2011-12 academic year. See the Office of Student Financial Aid for details.**

Standards of Satisfactory Progress is a two-part federal regulation to ensure that students receiving aid are:

1. making satisfactory progress toward a degree, and
2. completing a degree within a specific time period, regardless if financial aid was received in the past.

The aid programs that are affected include, but are not limited to: Pell Grant, Academic Competitiveness Grant**, SMART Grant**, Teacher Education Assistance for College and Higher Education (TEACH) Grant, Perkins Loan, Supplemental Educational Opportunity Grant, Federal, State, and UNI Work Study, institutional grants, state grants, Direct Stafford Loan (subsidized and unsubsidized), Direct Parent Loan for Undergraduate Students, and certain education bank/private lender loans.

**The Academic Competitiveness Grant and SMART Grant are only applicable through 2010-11 academic year.

1. Making Progress Toward a Degree Each Semester

Only Fall and Spring semesters are evaluated. (Summer is not evaluated.)

Undergraduate/Graduate/Doctorate

Students who enroll **full-time** (12 credit hours or more per semester) are required to complete a minimum of **9** credit hours per semester.

Students who enroll **6-11 credit hours** per semester are required to complete a minimum of **6** credit hours per semester.

Students who enroll **1-5 credit hours** per semester are required to complete **all** the hours enrolled that semester.

2. Completing A Degree Within a Specific Time Frame For Financial Aid Eligibility

The total academic record (Summer included) is reviewed, regardless if aid was received or credit was earned at UNI.

First BA students are required to complete a degree within 12 full-time semesters, 18 three-quarter time semesters, or 24 half-time semesters or upon completing 160 credit hours.

Second BA/Teaching Certification/1st MA/1st Doctorate students are required to complete a degree within 6 semesters, 9 three-quarter-time semesters, or 12 half-time semesters, or upon completing 60 credit hours. Please inform the Office of Student Financial Aid if your program requires more than 60 credit hours.

Other degrees, such as 2nd BA, 2nd MA, 2nd Doctorate after beginning a 1st MA, must be funded by the student without financial aid. (Exceptions may be allowed through the Appeal Process as indicated below.)

3. Other Guidelines

Grades. Grades of A, B, C, D, Cr, P, or X are counted as meeting the required hours. Failed classes, audited classes, incomplete grades, and withdrawn classes are **not** counted toward completed hours for Satisfactory Progress.

Financial Aid Academic Progress Warning. The first semester in which a student does not complete Satisfactory Academic Progress, the student will receive a warning notification, but will continue to be eligible for financial aid. Also, a student who is nearing the allotted timeframe to complete a degree will be notified and informed of the number of financial aid semesters remaining.

Not Eligible Status for Financial Aid. Once a student has received a warning, any subsequent Fall or Spring semester in which the student does not maintain Satisfactory Progress will result in the student being notified about the loss of financial aid eligibility. A student who has reached the allotted timeframe to complete a degree will also lose financial aid eligibility. Please contact the Office of Student Financial Aid if the graduate program requires more than 60 credit hours.

Appeal Process and Deadline. An appeal process is in place for those experiencing extenuating circumstances that affected their ability to make satisfactory academic progress. Appeal forms may be obtained from the Office of Student Financial Aid. Appeals must be submitted no later than the end of the first week of classes following the suspended semester or within 15 calendar days of the date on the academic progress letter, whichever is later. (If suspension occurs at the end of the spring semester, students are encouraged to appeal during the summer period.) A written outline of required course work per semester until graduation signed and dated by the student and the advisor is required.

Reinstatement of Financial Aid. Students approved to receive aid again will be expected to adhere to the Satisfactory Progress Policy outlined above and any conditions listed on the Appeal Approval Contract.

Financial Aid Adjustment. If financial aid has already been awarded and an appeal is not completed or approved, the financial aid funds will be canceled 30 days after the start of the suspended semester. Reinstatement of the financial aid is contingent upon the availability of the funds at the time the appeal is approved.

Correspondence (specified as Guided Independent Study at UNI), Camp Adventure, Audited Courses. Financial aid is **not** available for correspondence (specified as Guided Independent Study at UNI), Camp Adventure, or audited courses. If you have any questions regarding this policy, please contact the Office of Student Financial Aid at 319-273-2700.

Student Loans. Students must complete a Free Application for Federal Student Aid (FAFSA) and complete a Master Promissory Note to be eligible for federal loans. You will complete only one promissory note that will be used for all of your loans at UNI. Direct Loan promissory notes can be completed online at www.studentloans.gov. By using the Master Promissory Note (MPN), you may not need to sign and submit a separate promissory note for each new loan. 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 you borrowed a Direct Loan at UNI in the prior academic year, you do not need to complete another promissory note.** Students must also be degree-seeking and enrolled at least half-time (6 hours for undergraduate, 5 hours for graduate) before loan funds can be released. All loan proceeds are credited directly to your university bill.

How Dropping Credit Hours or Withdrawing from UNI Affects Financial Aid. If you drop credit hours or withdraw from UNI, your cost of attendance and financial aid may be revised to reflect any tuition adjustment. You may have to repay a portion or all of your financial aid as required by law or by applicable fund donor. The exact amount of repayment will vary depending on when the credits are dropped or when the withdrawal occurs. In addition, you may become ineligible for future financial aid due to failure to meet the Financial Aid Academic Progress Requirements.

Federal regulations require students who withdraw before over 60% of the semester has passed to return unearned federal aid in a proportion equal to the time not in attendance. For example, if a student completes 30% of the semester, then 30% of the federal aid received may be retained and the other 70% of the federal aid received must be returned. If a student withdraws after the 60% point in time of the semester, then all aid received may be retained. Loans must be paid back according to the loan agreement. Institutional and state aid are returned in percentages equal to the institution's tuition and fees refund policy. For example, if a student receives 25% tuition refund, then an equal percentage of 25% will be returned to all state and institutional aid programs. Contact the Office of Student Financial Aid for more information.

Funds will be returned to the financial aid programs in the following order: federal loan programs, federal grant programs, state programs, UNI programs, outside agencies, student. You will be notified of adjustments to your financial aid award via your university bill.

Grant Adjustment. Grants are need-based aid. The Pell Grant Program is for students working on their first B.A. degree. Due to federal regulation and university policy, the actual amount of grant that you receive is based on the number of credit/hours for which you are enrolled.

This means that if a grant has already been disbursed to you and you add or drop classes during the first 2 weeks of the semester, your 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.

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, if you are a dependent freshman with 0-29 semester hours you 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 you must:

1. **Have a current year FAFSA submitted by June 1.**
2. **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.
3. **Submit** a Summer Financial Aid Request form to the Office of Student Financial Aid (available online in March).
4. **Be admitted to a program leading to a degree.** Non-degree students are ineligible for financial aid.
5. **Not be on Financial Aid Academic Progress Suspension or Registrar Academic Suspension.**

6. **Not be in default on any educational loan, and not owe any refund on a grant or loan at any institution.**

Grants and Scholarships

Federal Grants. Federal grants are intended to assist students whose FAFSA results indicate a high level of financial need. The amount ranges from \$400 to \$5,500. The federal government has the Pell Grant and Supplemental Educational Opportunity Grant (SEOG) and TEACH Grant available for undergraduate students who complete the FAFSA and demonstrate high financial need.

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. Iowa 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.

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.

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

Scholarships. The University of Northern Iowa offers scholarships each year to deserving students, on the basis of merit and/or achievement. Scholarships generally require full-time enrollment and maintaining specific grade point requirements. Visit the scholarship directory www.uni.edu/finaid for a complete listing of all scholarships available at UNI.

Several scholarships are awarded based on admission to UNI, however both new and returning students must also complete the University Scholarship Application online at www.uni.edu/finaid for full scholarship consideration. Scholarship selection is competitive, thus not all applicants will receive a scholarship.

Graduate Scholarships and Assistantships. Several scholarships and awards, including tuition scholarships, are available for graduate students at Northern Iowa. Students should contact the department or academic college in charge of their program for information on eligibility and application procedures. Students may locate the scholarship directory at www.uni.edu/finaid, which gives a complete listing of all scholarships available for graduate students and currently enrolled UNI students. For further details on requirements related to graduate scholarships and assistantships, refer to Graduate Degree Requirements.

Army Montgomery G.I. Bill. Undergraduates serving in the Iowa National Guard or the U.S. Army Reserves can qualify for the Montgomery G.I. Bill. The Montgomery G.I. Bill Educational Assistance Benefits provide up to \$2,000 per year in direct payments and a \$200 kicker (if qualified), plus the student continues to earn monthly training assembly pay. Many students who qualify for the Montgomery G.I. Bill also qualify for the Student Loan Repayment Program. For additional information about the Montgomery G.I. Bill write or contact the Office of the Registrar at the University of Northern Iowa, Cedar Falls, IA 50614-0006, 319-273-6801.

Army Reserve Officers' Training Corps (ROTC) Scholarships. Several scholarships are available for students interested in ROTC.

- a. **Four-Year Army ROTC Scholarships.** High school seniors can apply for a four-year Army ROTC scholarship (before November 15th) of their senior year.

A four-year scholarship will pay full tuition and required educational fees; provide \$600 per semester for textbooks, supplies, and equipment; and provide a subsistence allowance of up to \$4,000 per year for each of the four years the scholarship is in effect. Winning and accepting a four-year ROTC scholarship does not preclude accepting other scholarships.

- b. **Three-Year Army ROTC Scholarships.** College freshmen apply on campus for all three-year Army ROTC scholarships during January. Winners are announced the following May.

A three-year scholarship will pay up to \$20,000 per year toward tuition and required educational fees; provide \$600 per semester for textbooks, supplies, and equipment; and provide a subsistence allowance of up to \$4,000 per year for each of the three years the scholarship is in effect. Winning and accepting a three-year ROTC scholarship does not preclude accepting other scholarships.

- c. **Two-Year Army ROTC Scholarships.** College sophomores, juniors, and seniors can attend the Army ROTC Leaders Training Course (LTC) at Fort Knox, Kentucky.

A two-year LTC scholarship will pay up to \$20,000 per year toward tuition and required educational fees; provide \$600 per semester for textbooks, supplies, and equipment; and provide a subsistence allowance of up to \$4,000 per year for each of the two years the scholarship is in effect. Winning and accepting a two-year ROTC scholarship does not preclude accepting other scholarships.

- d. Two-Year Reserve Forces Duty Scholarships.** Prior service applicants may apply on campus; military reservists may apply on campus or through their Army National Guard or Army Reserve unit. If selected, you will be required to enlist in the Army National Guard or Army Reserves. You will fulfill your obligation in the Army National Guard or Reserves *only*. If already in the Guard or Reserve, you incur a six-year commitment of military service.

A Reserve Forces Duty Scholarship will pay up to \$20,000 per year toward tuition and required educational fees; provide \$600 per semester for textbooks, supplies, and equipment; and provide a subsistence allowance of up to \$4,000 per year for each of the two years the scholarship is in effect. Winning and accepting a two-year Reserve Forces Duty Scholarship does not preclude accepting other scholarships.

- e. Additional Information.** For more information about 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.

Athletic Scholarships are available for incoming student-athletes as well as returning student-athletes. Athletic scholarships are awarded in amounts up to and including the full cost of tuition and fees, room and board, and course-required books. Athletics scholarships are generally awarded for a period of one academic year; and are renewable each subsequent year in accordance with NCAA and Conference rules. Athletic scholarship recipients are subject to institutional admission requirements as well as NCAA, Conference, and Institutional eligibility requirements. Recommendations for athletic scholarships are made by the head coach of each individual sport program, with approval by the Director of Athletics (or her/his designee). Athletic scholarships are provided in part by the Panther Scholarship Club (contributions), gate receipts, friends of the university, and other special accounts.

Department of Art Scholarships. Each year the UNI Department of Art awards scholarships to high school seniors interested in majoring in art. The Annual High School Art Competition occurs each fall. After passing a portfolio review, top applicants are invited to visit the UNI campus for a day of activities and interviews. Scholarships are also available to qualified undergraduate Art students already enrolled at UNI. More information is available online at www.uni.edu/finaid/scholarship.shtml and www.uni.edu/artdept.

College of Business Administration (CBA). Thanks to the generosity of many donors, CBA majors have the opportunity to apply for approximately seventy-five merit-based scholarships in two types of scholarship programs.

The CBA Freshman Scholarship Day program targets current high school seniors interested in majoring in a CBA discipline at UNI. This program's online application can be found at www.uni.edu/finaid. Students selected to compete for these scholarships are invited to UNI for a day of activities designed to enhance their knowledge of UNI and the CBA. This program is a fall initiative. Interested high school seniors should inquire at their school's guidance office early in the fall semester. The application deadline usually is during the last week of October.

An additional CBA scholarship program is intended for current UNI students majoring in a CBA discipline. The common scholarship application for this program also can be found online at www.uni.edu/finaid. This program is a spring initiative and is publicized throughout the CBA via posters in the Curris Business Building and by e-mails sent to all CBA majors. The deadline for this program usually is mid-February.

Additional information regarding these CBA scholarship programs is available at www.cba.uni.edu/services/scholarships or by contacting the CBA Dean's Office located in Curris Business Building 325 or by calling 319-273-6240.

Various CBA departments administer other scholarships. These scholarships are publicized by the respective departments where applications are available.

Industrial Technology Department Scholarships are awarded as funding is available to high school seniors who are planning to major in one of the undergraduate programs offered in the Industrial Technology Department. These scholarships are awarded on the following criteria: ACT scores, grade point average, rank in class, and the competitive interviews that are held on campus. Check www.uni.edu/finaid for scholarship deadline.

These scholarships provide \$1,000-\$5,000 for up to eight semesters for students maintaining a major in the Department of Industrial Technology and a minimum cumulative grade point average of 3.00. Interested students should follow instructions posted on the university's financial aid scholarship directory (www.uni.edu/finaid), or the Department of Industrial Technology Web site (www.uni.edu/indtech). Additional questions should be directed to the Department of Industrial Technology at 319-273-2561.

CNS Scholarships are awarded to high school seniors in the areas of biology, chemistry and biochemistry, computer science, earth science, industrial technology, mathematics, and physics. Each department in the College of Natural Sciences has its own criteria for the scholarships it awards, although, in general the scholarships are awarded on the basis of academic ability. The amount of the scholarships varies. Additional questions should be directed to the College of Natural Sciences, Office of the Dean.

UNI Parents Association (UNIPA) Scholarship Program

Five scholarships in the form of tuition grants applied directly to the student's account are awarded annually. One \$1,000 scholarship is awarded to a student from each of the five undergraduate colleges. Selection is completed in spring and the award realized the following fall semester. Presidential and other full tuition-and-board scholarship winners are not eligible.

To be eligible for consideration a student must a) be a full-time student, b) possess a cumulative grade point average of 3.00 or better, c) have completed at least one semester of course work at the University of Northern Iowa, d) be a sophomore, junior, or senior at the time the award is realized, and e) complete the Common Scholarship Application.

For further information, contact the UNI Office of Student Financial Aid at 319-273-2700.

UNI Presidential Scholarships

www.uni.edu/honors/scholarships

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

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

For complete information, visit www.uni.edu/honors/scholarships 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, e-mail uni.foundation@uni.edu, or visit the UNI Foundation Web site 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
 live@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 cancelled 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 a broadband Internet connection 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 Bartlett, Bender, Campbell, Dancer, Lawther, Noehren, and Shull Halls. All rooms in Shull Hall are available to upperclass students only. Continuous housing (during academic break periods) is available in Bartlett, Bender, Dancer, Lawther, Noehren, and Shull Halls. All halls are open during the Thanksgiving and Spring breaks.

ROTH Complex

Apartment and suite-style housing is open to sophomores, juniors, and seniors. Residents with good academic and behavioral status qualify for housing in ROTH. ROTH residents may prepare their own meals or buy one of the many dining plans available. Students interested in ROTH as their home away from home, can get additional information and submit a contract for ROTH 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, 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 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.

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.

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.

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 Web site www.uni.edu/wellrec.

Iowa Vocational Rehabilitation Services

www.uni.edu/disability

Iowa Vocational Rehabilitation Services (IVRS) has a counselor on campus located in 116 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 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

Veterans

The University of Northern Iowa is proud to serve all veterans, military service members, and their families. UNI is one of 15% of institutions of higher education that has received the designation "Military Friendly" according to G.I. Jobs magazine. 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 the Office of the Registrar, University of Northern Iowa, Cedar Falls, IA, 50614-0006.

For further information regarding military/veterans, also visit the Web sites www.uni.edu/admissions/veterans.html and www.uni.edu/finaid/veterans_benefits.shtml.

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/comstudy/organizations/forensics.html.

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 Office, Maucker Union, or at www.uni.edu/maucker/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 in Maucker Union, or at www.uni.edu/maucker/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: Concert Chorale, Chamber Singers, UNI Singers, Women's Chorus, Varsity Men's Glee Club, Basketball 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 administration, director of public relations, director of governmental relations, and director of diversity and student life. A Supreme Court, which comprises the judicial branch, also exists. The Northern Iowa Student Government promotes cooperation between students and faculty, seeks solutions to student concerns, and represents the entire student body in matters affecting student interests. More information is available at www.uni.edu/nisg.

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

Religion. Surrounding the campus are various student religious centers. Information on specific religious organizations may be obtained in the Student Involvement and Activities Center 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 in 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.

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 students about military veterans, support members of the military that are currently deployed, support veterans that are dealing with issues coming back from deployment, help make UNI a more 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 Pursuits Center; West Campus Complex with 2 rugby and 2 soccer fields; a free weight room; a spacious fitness area with cardiovascular and strength training equipment; a running track; a wellness resource lab with a relaxation and massage room, self-care and wound-care stations, 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 Web site 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 collections and programs, Rod Library supports the curricular, informational, and research needs of UNI's students and faculty. 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 1,745 library users at study carrels and tables, and has more than 500 additional seating spaces in lounge areas and in group, graduate, and faculty studies. Rod Library also houses the University Archives, a Student Computer Center managed by the university's Information Technology Services, and the School Library Studies program of the Department of Curriculum and Instruction.

The Rod Library building is open 94.5 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 more than one million volumes, 3,300 periodical and newspaper subscriptions, in print and online, 265,000 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, LEXIS/NEXIS, PROJECT MUSE, and many others. Circulating books and the journals collections 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 sq. ft. 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 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 Youth Services, Iowa Center on Health Disparities, Global Health Corps, the R.J. McElroy Professor of Youth Leadership Studies, American Humanics, 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 Museum

The University Museum, accredited by the American Association of Museums, is used extensively as an educational resource by both university classes and regional schools and as a cultural facility by local organizations and individual visitors. The museum offers permanent and changing exhibits, tours, lectures, and special programs, such as films, presentations, performance, and ethnic meals. Faculty and students can make use of the exhibits and collections through class projects, collection study, research, and internships in a wide variety of academic disciplines.

The collections of the museum embrace four major subject categories: geology, biology, anthropology, and history. The geology collection consists of minerals, rocks, and fossils of worldwide distribution. The biology area includes a bird collection consisting of most birds indigenous to the midwest as well as some exotic, rare, and extinct species. Large and small mammals, reptiles, fish, arthropods, and marine invertebrates, including a vast collection of shells from around the world, are also a part of the biology collection. The history collection contains items related primarily to early Iowa education, the campus, and historical costume. The anthropology section includes prehistoric and ethnographic collections from North America, South America, Africa, Asia, Oceania, and the Middle East.

A public support group known as the Friends of the UNI Museum serves to help the Museum through financial and volunteer support. Membership is open to anyone with the desire to see the museum grow and expand its services.

Located at 3219 Hudson Road, the museum is open, free of charge, daily from 9:00 a.m.- 4:30 p.m. during the school week. It is closed on legal and university holidays. The museum is open on Saturdays from 1:00 p.m.- 4:00 p.m. Although large groups such as clubs and classes are asked to telephone or write the museum for appointments, all other visitors are invited to come without appointments any time the museum is open.

For further information visit www.uni.edu/museum or call 319-273-2188.

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 23rd and North Minnesota Streets and open Saturday from 2:00 to 4:00 p.m. Programs for campus groups, classes, and public groups can be scheduled by contacting the University Museum.

For further information visit www.uni.edu/museum or call 319-273-2188.

Broadcasting Services

Administratively housed in the College of Humanities and Fine Arts 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 (formerly the Office of University Marketing & Public 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, 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 communication efforts, and routinely communicates these to university units.

For more information, visit www.uni.edu/pubrel 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 chapter of the UNI Alumni Association, is a volunteer student organization 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 3,000 members make STAT the largest student organization at UNI.

STAT and UNI Athletics have joined forces to create “True Panthers” - the student spirit section that has garnered national attention, and the attention of Panther opponents. 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 deciding students who are exploring majors, students changing majors, and students reassessing their current academic situation. Students in the process of exploring major options are assigned an advisor in the Office of Academic Advising.

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 program to fit interests
- enroll in a credit bearing course: 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 who have not decided upon a major 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 Academic Advising, 102 Gilchrist, 319-273-3406.

Academic Learning Center

007-008 Innovative Teaching & Technology Center (ITTC), 319-273-6023

www.uni.edu/unialc/

“Studies show that students who become actively involved with academic support services outside the classroom, such as the Academic Learning Center (ALC) are more likely to attain higher college grades and complete their college degree, particularly if they began their involvement with these support services during the first year of college” (Cuseo, 2003). Professional educators, advisors, and trained, certified peers are available to assist any UNI student to become a more efficient and effective learner and develop a greater sense of personal control over their academic performance in an accessible, supportive environment (Smith, Walter, & Hoey, 1992). Additionally, professional staff serve 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 (MASS), 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

www.uni.edu/unialc

Academic Achievement and Retention Services empowers students to achieve academic success and to develop personal and 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

www.uni.edu/unialc

UNI offers credit by examination, certification examinations, and most major national college and professional school entrance examinations. Services are provided to enrolled graduate and undergraduate students, non-UNI students, and non-students. In addition to test administration, Examination Services provides test registration and preparation assistance.

Student Support Services

007 ITTC, 319-273-2179

www.uni.edu/unialc

The mission of the UNI Student Support Services program is to inspire, challenge, and empower eligible participants by providing learning and developmental services necessary for their retention and ultimate graduation from the University. Program staff serve as advocates for participants and provide a combination of cognitive and effective services based on individual needs. The following services are offered, free of charge, to program participants:

- academic advising, including assistance with course selection and registration;
- monitoring of academic progress;
- instructional support, including tutoring and study groups;
- college survival, study skills, and financial literacy workshops;
- personal, financial, and career advising;
- long-range educational and career planning;
- graduate and professional school admission assistance.

Math and Science Services (MASS)

008 ITTC, 319-273-2361

www.uni.edu/unialc

What's new to the Math Center? Science tutors! The Math and Science Services (MASS), formerly known as the Math Center, now offers science tutoring for Liberal Arts Core science courses. If you are taking a Liberal Arts Core math or science course, visit MASS to get valuable study skills tips for your science and math courses. No appointment is necessary. Tutoring hours vary each semester - visit our Web site for specific times.

UNI students receive a variety of services from the center that assist them in successfully completing mathematics and science Liberal Arts Core requirements. These include but are not limited to:

- preparation for math sections of professional tests such as the GRE, PPST, MCAT, and GMAT;
- calculator Loan Program. Students can check out TI-83 Plus and Casio fx-300ES and fx-300MS calculators for the semester. There is a nominal fee. To check out a calculator complete and submit the Calculator Check-Out Form on our Web site;
- individual instruction and practice through computer-aided instruction;
- review of concepts to support the development and understanding of concepts/skills taught in university math and sciences courses.

The Math and Science Services (MASS) is a subsidiary of the Academic Learning Center. The Math and Science Services (MASS) is funded by the Academic Learning Center and the College of Natural Science. The center is staffed by the Mathematics

Coordinator, graduate students from the Mathematics Department, and other UNI students who have strong mathematics and science backgrounds.

Reading and Learning Center

008 ITTC, 319-273-2361

www.uni.edu/unialc

The Reading and Learning Center helps college students establish effective reading and learning processes to manage their course loads as they transition from high school to college-level academics. Workshops and mentoring are offered in a variety of venues to help students discover their own learning styles and strengths, as they develop effective reading and learning processes. Students may drop in or schedule an appointment. Students may also use the computers and study tables to work and study with tutors nearby to answer questions and offer assistance with coursework. Graduate students may also find help with organizing and reading documentation style manuals, such as MLA, APA, CMS, ASA, CSE and others. Additionally, graduate students may find it helpful to meet with a mentor as they read and organize research for a thesis or dissertation. Distance education and online students may find the online workshops and resources helpful.

Access the program offerings on our website to see how you might utilize and request the following offerings:

- workshops on transitioning to college life and studies, effective reading strategies, effective learning strategies (traditional and online);
- residential hall learning groups;
- personal mentoring/tutoring;
- PPST, GRE, GMAT, LSAT, MCAT prep;
- supplemental instruction;
- faculty requested workshops/courses;
- Book Group discussions;
- Facebook discussion and blog;
- Live Chat.

Writing Center

008 ITTC, 319-273-2361

www.uni.edu/unialc

Make an appointment to receive free, one-on-one assistance. Trained, certified writing assistants and students work together to:

- break writer's block and get projects started;
- identify problems with focus, development, organization, clarity, citation styles, and grammar;
- plan strategies for improving rough drafts and overall writing skills;
- prepare for PPST, GRE, MCAT, and other standardized essay exams.

Information Technology Services

www.uni.edu/its

ITS is responsible for all aspects of information technology support for academic, administrative, and research functions, including the campus-wide data and voice networks, software systems in both mainframe and mid-range server environments, e-learning systems, and e-learning course development tools.

Hardware & Software Purchasing and Support – www.uni.edu/its/support

ITS provides the central university help center (the Computer Consulting Center - CCC) that is operated by both trained permanent staff and student consultants. It is the point of contact for students, faculty, staff and emeritus on computer-related activities or problems. ITS also provides web-based computing information and help including electronic documentation and resources as well as facilitating various personal computer hardware and software purchasing programs.

Technology Training - www.uni.edu/its/training

ITS provides free computer workshops for the UNI community along with a number of specialized seminars and institutes. Consulting and instructional design and development services are provided for faculty.

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

ITS provides a variety of computer labs and classrooms for students, faculty and staff:

- **Student Computer Centers (SCCs)** - ITS operates and maintains seventeen public SCCs on campus. The SCCs provide convenient computing and network access for students, faculty and staff in various facilities. These facilities are located throughout campus with several centers open 24 hours per day. Each center offers a variety of software applications, access to UNI's e-mail system and the Internet as well as laser printing.
- **StudioIT** - Studios for Innovative Teaching are three flexible, interactive technology classrooms equipped with a variety of multimedia technologies. These rooms host a variety of workshops and seminars, and are available for faculty use for experimenting with one-to-one computing and multimedia instruction.
- **The Production House** is a multimedia production facility that is open to faculty, staff, and students. The Production House can create a media project for you or you can use our self-service facility and do it yourself. The lab offers state-of-the art Mac and Windows computers with industry-standard multimedia production software. An audio recording studio is also available.

Multimedia Production, Design & Distribution

ITS provides multimedia production services including audio/video production and postproduction, graphic design, web development, and DVD authoring ITS also provides a variety of media distribution services including disc & tape duplication, cable television broadcasting, and Internet streaming.

Classroom Technology – ITS works with departments in designing and equipping multimedia classrooms and provides instruction on the use of educational technology equipment.

eLearning - The University's learning management system and various e-learning components are supported by ITS.

Email – ITS provides email services to the university using Oracle's Collaboration Suite (Collab). Collab provides email to campus users through the use of popular desktop clients such as Thunderbird and Outlook and with two full-featured web clients (WebAccess, WebMail).

CatID - ITS provides centralized identity management and authentication services for the university community. This CatID authentication system provides the capability for end-users to use the same username and password across many applications.

Voice & Data Infrastructure – ITS provides design, operations and management of core voice and data services for the university community. This includes on and off-campus voice services, campus networking including ResNet and wireless access, Internet and off-campus connectivity, inter- and intra-building communications infrastructure, operations of central administrative systems, system administration and management of a variety of academic and administrative central resources and systems.

Administrative Computer Applications - ITS provides a complete set of services to meet the university-wide needs for administrative computer applications. These services include coordination of the design, development or acquisition, and improvement of university-wide enterprise administrative computer systems applications using standard tools and processes that emphasize quality and reliability. The core systems include Student Information System (SIS), Financial Information System (MEMFIS), Data Repository, and University Portal (MyUNiverse.uni.edu), which provides personalized access to a multitude of applications and services for students, faculty, and staff.

Instructional Resources and Technology Services

www.uni.edu/coe/irtsweb

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 search 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 Web site for more detailed information about these computer labs: www.uni.edu/coe/irtsweb/services/labs.shtml.

SEC 206 (within SEC 222): Windows lab with 20 student stations;

SEC 127-128 Technology Methods Lab: Macintosh lab with 30 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 **Educational Opportunity Programs and Special Community Services (EOP/SCS)**.

EOP/SCS provides a positive environment for lifetime learning. EOP/SCS staff collaborates with other campus departments and community programs to match its resources with community needs. EOP/SCS programs are designed and coordinated specifically to meet students' educational, social, and financial needs for pursuing their educational goals and prepare for careers.

The **Center for Urban Education (UNI-CUE)**, located in the heart of the urban area of Waterloo, Iowa, is the university's community connection. As a component of the EOP/SCS program, it represents the university's strong commitment to cultural diversity.

The UNI-CUE fully embraces the concept of continuing and part-time education. Evening degree classes for college credit are offered 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 Program provides tutoring services free of charge to Black Hawk County students in grades 3-12. All tutoring is done by appointment at the UNI-CUE facility in downtown Waterloo.

The UNI-CUE Youth Academy is a six-week sponsored program designed to: improve students' basic academic skills, particularly reading, writing, and study skills; stimulate their interest in the arts through cultural outings and field trips; introduce them to numerous guest speakers who speak on a variety of topics; and acquaint them with other UNI-CUE programs and services.

In addition to its own academic programming, the UNI-CUE offers community organizations space for meetings, workshops, and conferences at no charge. It also provides office and classroom space for other EOP/SCS programs: the Educational Opportunity Center (EOC); the Educational Talent Search Program (ETS); the Classic Upward Bound Program (CUB); and the Iowa Math & Science Academy (IMSA).

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 unaware of educational and career opportunities.

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.

The **Iowa Math & Science Academy (IMSA)** is a program designed to strengthen and support Iowa high school students' interest in Science, Technology, Engineering, and Mathematics (STEM). The program is funded to serve a total of 40 students from Black Hawk, Bremer, Buchanan, Butler, and Grundy counties. Program participants must be either low-income or potential first-generation college students. Program services generate the skills and motivation necessary for students to succeed in completing high school and enrolling into and graduating from a postsecondary institution.

An Individual Education Plan is developed for all participants based on their scores on the Iowa Test of Basic Skills and/or Iowa Test of Educational Development, and academic progress in their current high school courses.

During the summer residential component of the IMSA program, students experience college life while still in high school. Participants live on the UNI campus for six weeks while enrolled in summer courses taught by UNI faculty. In addition to course work, students experience daily recreational and enrichment activities. Students are eligible to receive college credit after successful completion of three summers in the IMSA program.

Contact Information:

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

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

Educational Opportunity Center (EOC)

800 Sycamore Street
 Waterloo, IA 50703
 319-433-1220; fax 319-433-0160
www.uni.edu/eop/eoc

Educational Talent Search (ETS)

800 Sycamore Street
 Waterloo, IA 50703
 319-433-1220; fax 319-433-0160
www.uni.edu/eop/ets

Classic Upward Bound (CUB)

800 Sycamore Street
 Waterloo, IA 50703
 319-433-1220; fax 319-433-0160
www.uni.edu/eop/cub

Iowa Mathematics & Science Academy (IMSA)

800 Sycamore Street
 Waterloo, IA 50703
 319-433-1220; fax 319-433-0160
www.uni.edu/eop/imsa

Malcolm Price Laboratory School

Malcolm Price Laboratory School is a research, development, and dissemination school in the College of Education at the University of Northern Iowa (UNI). Located on the UNI campus, Malcolm Price Laboratory School provides field experiences for teacher education students in the art and science of teaching. MPLS also serves as a laboratory for other professional education programs of the university. The school provides an educational program for a diverse student body in pre-kindergarten through grade twelve, including special education.

In addition to its role as a teacher education laboratory, the laboratory school is widely recognized for its innovative and experimental school programming. MPLS is strongly committed to professional service that includes participating in professional conferences, workshops, and publications. The laboratory school proudly welcomes collaboration with professional colleagues. Information about Malcolm Price Laboratory School programs is available on the MPLS Web site at www.pls.uni.edu or at 319-273-7666.

The Roy Eblen Speech and Hearing Clinic

This clinic offers speech and hearing services both to university students and others outside the university community. 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.

For more information on the clinic visit www.uni.edu/comdis/clinic.html or call 319-273-2542.

UNI Child Development Center

www.uni.edu/cdc

The UNI Child Development Center (CDC) is an accredited non-profit child 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 85 children in the 6-classroom day program and 25 children in the After School 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 319-273-2263. 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, 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.chfa.uni.edu/comstudy

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, musicals, and operas 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.

Gallagher-Bluedorn Performing Arts Center

www.gbpac.org

The \$23 million, 100,000 square foot complex, containing three state-of-the-art concert halls, seating 1600, 300, and 125 respectively, opened in April 2000 and is home to UNI School of Music, the Waterloo-Cedar Falls Symphony, and visiting artist series.

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.chfa.uni.edu/comstudy

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 Health, Physical Education and Leisure Services

www.uni.edu/coe/hpels

The Dance Minor (23 credits) is offered through the School of Health, Physical Education and Leisure Services. Course work includes dance theory and dance technique classes, and university elective courses.

School of Music

www.uni.edu/music/

Undergraduate Programs. The School of Music at UNI enrolls approximately 300 students in various degree programs. These students participate in a wide array of course offerings including music education, music theory, music history, performing ensembles, and applied lessons. Undergraduate course programs include the core curriculum (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); 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.

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, opera, 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.

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.

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. Students are also a part of the Exhibitions & Permanent Collection Committee within the Department of Art. This committee reviews potential exhibitions for the UNI Gallery of Art and selects pieces to be added to the UNI Permanent Art Collection. 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.chfa.uni.edu/comstudy

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, and Women's Chorus; 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.

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 Web site (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.

Theta Alpha Phi. 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.

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.

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.

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.

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.

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.

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 Web site 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
All Other Undergraduates	18
Graduate Students	15

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; that normally permitted during each four-week split summer session is 4-5 hours.

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
Sophomore	30-59
Junior	60-89
Senior	90 and over

Full-time/Part-time Status

Fall and Spring Semesters	Undergraduate	Graduate
Full-time	12 or more hours	9 or more hours
3/4 time	9-11 hours	7-8 hours
½ time	6-8 hours	5-6 hours
Less than ½ time	1-5 hours	1-4 hours
Summer Session*		
Full-time	9 hours	7 hours
3/4 time	7-8 hours	6 hours
½ time	5-6 hours	4-5 hours
Less than ½ time	1-4 hours	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 Withdrawal during
reduction specified weeks

100	before classes begin
90	first week
75	second week
50	third week
25	fourth week
0	after fourth week

Summer Session

Percentage

of fee Withdrawal on day Number -
reduction Withdrawal during specified
class days

	8-week or longer sessions	6-week sessions	4-week sessions
100	before classes begin	before classes begin	before classes begin
90	1-3	1-2	1-2
75	4-6	3-4	3
50	7-8	5-6	4
25	9-10	7-8	5
0	11 th day and beyond	9 th day and beyond	6 th 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 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 judgement, 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; B+, 3.33; B, 3.00 grade points; B-, 2.67; C+, 2.33; C, 2.00 grade points; C-, 1.67; D+, 1.33; D, 1.00 grade point; D-, 0.67; 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 Warning, Probation, and Suspension

Warning. This action is taken by the Office of the Registrar. This action is not recorded on the student's permanent academic record.

Probation. This determination is made by the Office of the Registrar. This action is not recorded on the student's permanent academic record.

Suspension. This determination is made by the Office of the Registrar. This action is recorded on the student's permanent academic record.

For students who have attempted 29 or fewer graded hours:

Warning. Any student who is from one through five grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic warning.

Probation. Any student who is from six through thirteen grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic probation.

Suspension. Any student who is fourteen or more grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic suspension.

For students who have attempted between 30 and 59 graded hours:

Warning. Any student who is from one through five grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic warning.

Probation. Any student who is from six through eleven grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic probation.

Suspension. Any student who is twelve or more grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic suspension.

For students who have attempted 60 or more graded hours:

Warning. Any student who is one through five grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic warning.

Probation. Any student who is six through nine grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic probation.

Suspension. Any student who is ten or more grade points deficient of the number necessary for a 2.00 cumulative grade point average at UNI and/or in combination with her/his transfer collegiate record for a 2.00 total cumulative grade point average will be placed on academic suspension.

Additionally, a student's actions demonstrated by repeatedly dropping courses and/or totally withdrawing from school will bring into question the student's intent to be a serious scholar, and such students may be placed on academic suspension.

Readmission After Suspension. An undergraduate student who has been suspended may be readmitted only after applying for readmission in writing and receiving favorable action on the application from the Committee on Admission and Retention. Applications for Readmission may be secured from and filed with the secretary of the committee in the Office of the Registrar. Academic suspension is for a minimum period of one academic year. Only the most extenuating circumstances would warrant consideration for readmission before one academic year has elapsed.

Upon readmission students must earn a minimum of a 2.00 grade point average each term they are enrolled until their cumulative grade point average is 2.00 or higher. Failure to earn a 2.00 or higher grade point average in any semester following readmission will cause the student to be suspended again. Academic suspension for a second time is considered permanent. Only the most extenuating circumstances would warrant consideration for readmission a second time.

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.

Entering first-year students with an ACT of 27 or higher (SAT I of 1210 or higher) *and* a high school rank in the top 10% will automatically be invited to join the University Honors Program upon their admission to the University of Northern Iowa. 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 www.uni.edu/honors/admissions.shtml 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/programreq.shtml 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 (200:017)*, *Field Experience: Teacher as Change Agent (200:128)*, and for *Student Teaching (280:132 through 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.

Open Credit System

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

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

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

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

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 Web site 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: 620:005, *College Writing and Research*; 620:015, *Craft of Academic Writing*; or 620:034, *Critical Writing About Literature*. Comparable instruction and practice may be available 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, 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 tests 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. Credit earned by CLEP is applied to requirements at UNI.

A list of courses for which CLEP examinations may be taken at UNI and minimum scores to earn credit is available from the Office of Admissions or Office of Examination Services. Students should expect their scores at the time of testing (except College Composition or College Composition Modular).

Any CLEP test may only be attempted once. For limitations on 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, UNI, 319-273-6023 or at 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 remaining in undergraduate classification. 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.**

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 Web site 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/information/policiesprocedures.aspx.

UNI Equal Opportunity Policy

Purpose:

To provide guidelines regarding equal employment 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 the 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:

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 the 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 Degree Audit/Advisement Report

The declaration of a major is made through the department offering the major. 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. When the major is declared, the student is assigned an advisor in the major department and a *Declaration of Curriculum* with this information is filed by the student with the Office of the Registrar.

When students have declared a major, they are eligible for a *Degree Audit Report*. This is prepared by the Office of the Registrar and made available to the student on their student portal. Degree audits are accessible via the Web at www.uni.edu/pos/ or <http://myuniverse.uni.edu>.

UNI Plan of Study (POS)

www.uni.edu/pos

The University of Northern Iowa's Plan of Study (POS) serves as a **planning and advising support system** for students and advisors. The Plan of Study (POS) was created to help undergraduate students better plan their overall educational experience and to help students graduate as efficiently as possible. The POS is an electronic planning tool to help students think ahead through their entire program and should help students make strategic decisions about the courses they take and when they take them.

This Plan of Study (POS) system brings the **degree audit, the official advising document**, to the Web providing access to undergraduate students and advisors. Major and minor worksheets for both teaching and non-teaching are also published online.

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:

- A. 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.
- B. 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.
- C. 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, geography, English, foreign languages, health, industrial arts, mathematics, modern languages, music, physical education, physics, science, social science subjects (economics, history, etc.), 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, art, biology, business, chemistry and biochemistry, communications, computer science, criminology, design, textiles, gerontology & family studies, economics, English, finance, geology, health, industrial technology, leisure services, management, marketing, mathematics, modern languages, music, philosophy, physical education, physics, psychology, speech, social science, social work, science, and theatre.

2. **Program for Registered Nurses.**

A student certified or licensed as a registered nurse (R.N.) may be recommended for a Bachelor of Arts degree with a major in General Studies in accordance with the following provisions:

- a. A student who has taken the work required for certification or licensure, including the successful completion of required agency examinations, will have 34-45 semester hours accepted for transfer to apply on the bachelor's degree. Such work may have been earned in a two-year associate degree program or in an approved hospital diploma program.

These hours of transfer work may be affected by a general university requirement that a maximum of 65 semester hours may be accepted from a two-year institution. The 34-45 semester hours of transfer credit for R.N. certification is considered part of this limit. Thus, a student who has earned more than 20 semester hours of other two-year college credit may not be able to use all of the nursing credits for graduation requirements. Such individuals should consult the Director of Admissions concerning the application of this requirement in her/his situation.

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

Category 4. Natural Science and Technology

- (a) Life Sciences - 3 hrs.
(b) Physical Sciences - 3 hrs.

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 100-level* courses from each of two of the five colleges** for a total of 30 hours. The student's program will be planned in consultation with the Individual Studies Program Coordinator.

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

**Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

- d. 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.
- e. A student may not earn duplicate credit for courses taken at another institution and judged to be equivalent.
- f. The student shall earn enough credit in elective courses to have a total of 120 hours of academic credit.
- g. 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
- Cytotechnology
- Dentistry
- Medicine
- Medical Technology
- Optometry
- Physician Assistant
- Pharmacy
- Physical Therapy
- Podiatry
- Veterinary

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, cytotechnology, dentistry, medicine, optometry, osteopathy, pharmacy, physician assistant, physical therapy, podiatry, and veterinary medicine 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 Web site www.uni.edu/majors/other/preprograms.

2. **Physics/Engineering Dual-Degree Program.**

Qualified students may pursue a dual-degree program leading to a B.S. Applied Physics degree from the University of Northern Iowa and a B.S. Engineering degree from Iowa State University or the University of Iowa. For details, please refer to the section of this catalog under Physics, Bachelor of Science Degree Programs, Applied Physics/Engineering Dual-Degree Major.

3. **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.

- 4. **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 some 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.

These partnerships are often known as 2+2 programs, although the time to complete a degree may take more than four years depending on individual circumstances. Contact the UNI Office of Admissions to find out if an agreement is available in a specific area of interest.

In certain instances, 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.

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.

5. **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 Web site 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:

	..... Semester Hours
Liberal Arts Core	Minimum 45
Major, minor, foreign language, electives	<u>75</u>
	Minimum 120*

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).

*Programs requiring more than 120 hours are identified (see specific major requirements).

Majors and Minors

Specific requirements for the various majors and minors will be found with the departmental listings.

Majors

Accounting	Graphic Technologies
Anthropology	Health Promotion
Art	History
Athletic Training	Humanities
Biochemistry	Individual Studies
Biology	Interior Design
Biology: Ecology and Systematics Emphasis	Leisure, Youth and Human Services
Biology: Biomedical Emphasis	Management
Biology: Microbiology Emphasis	Management Information Systems
Biology: Plant Bioscience Emphasis	Marketing
Biotechnology	Mathematics
Chemistry	Mathematics-Statistics/Actuarial Science
Chemistry-Marketing	Movement and Exercise Science
Communication	Music
Communication/Electronic Media	Nanoscience and Nanotechnology
Communication/Public Relations	Philosophy
Communicative Disorders	Physics
Computer Science	Political Communication
Criminology	Political Science
Earth Science	Psychology
Earth Science: Interpretive Naturalist Emphasis	Public Administration
Economics	Real Estate
English	Social Work
Family Services	Sociology
Finance	Spanish
General Studies	Study of Religion
General Studies for Registered Nurses	Teaching English to Speakers of Other Languages (TESOL)
Geography	Technology Management
Geography: Environmental Systems Emphasis	Textile and Apparel
Geography: Urban and Regional Spatial Analysis Emphasis	Theatre
Geology	World Languages and Culture - Dual
Gerontology	World Languages and Culture - French
Global Studies	World Languages and Culture - German
	World Languages and Culture - Russian

Minors

Accounting	International Affairs
Accounting-Business	International Business
Anthropology	International Business (non-business majors)
Art	Jazz Studies
Art History	Leadership Studies
Asian Studies	Leisure Services
Astronomy	Manufacturing Technology Design
Bioinformatics	Marketing
Biology	Mathematics
Business Communication	Meteorology
Chemistry	Military Science
Communication	Music
Communication/Journalism	Nanoscience and Nanotechnology
Communication/Public Relations	Natural History Interpretation
Comparative Literature	Philosophy
Computer Science	Physics
Criminology	Political Science
Dance	Politics and Law
Earth Science	Portuguese
Economics	Psychology
Educational Technology	Real Estate
Electrical and Electronics Technology (EET)	Real Estate-Business
English	Religion
Ethics	Russian
Family Studies	Russian and East European Studies
Finance (for Business and Non-Business Majors)	Sociology
French Studies	Spanish
General Business Concepts	Statistics and Actuarial Science
Geography	Teaching English to Speakers of Other Languages (TESOL)
Geology	Technology Management
German	Textile and Apparel
Gerontology	Theatre
Graphic Technologies	Women's and Gender Studies
Health Promotion	Writing
History	Youth Services Administration

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.

Semester Hours

Liberal Arts Core	Minimum *45
Professional Education Requirement	32
Major, minor, electives	**43-67
	120-144

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

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

Semester Hours

Liberal Arts Core	Minimum *45
Professional Education Requirement	33
Major requirements	34-36
Endorsement minor/Concentration area	**13-30
	125-144

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

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

Semester Hours

Liberal Arts Core	Minimum *45
Professional Education Requirement	33
Major requirements	40
Electives	<u>2</u>
	120

* The required professional education course 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.

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. All students must have proof of a completed Iowa Division of Criminal Investigation background check for the state of Iowa (www.dps.state.ia.us/DCI/supportoperations/crimhistory/obtain_records.shtml) prior to entering PK-12 school buildings to work with pupils. Teacher candidates should carry their background check with them to all field experiences. Teacher candidates must also complete the training required of all mandatory reporters of child abuse prior to their Level II field experience and must provide proof of this training for all field experiences at Malcolm Price Laboratory School.

Semester Hours

220:150	Meeting the Needs of Diverse Learners in Classrooms 2 (Prerequisite: 200:030 or equivalent. Course 200:030 may be used to satisfy Category 5C of the Liberal Arts Core.)
240:020	Secondary Educational Technology and Design or
240:031	Educational Technology and Design 2-3
280:170g	Human Relations: Awareness and Applications 3 (Before enrolling in 280:170g, the student must be fully admitted to the Teacher Education Program.)

Level I

200:017	Field Experience: Exploring Teaching 1
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 and have a cumulative GPA of 2.50 or higher.)

200:128	Field Experience: Teacher as Change Agent (must be taken at UNI) 1
200:148	Learning and Instruction in Classroom Contexts 3
250:150	Classroom Assessment 2

Level III

(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.)

260:119	Schools and American Society 3
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Student Teaching

(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.)

280:1xx	Student Teaching (course number denotes area in which experience is gained: 280:132, 134, 135, 137, 138, 139, 140, 250) <u>12</u>
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Program completion may include evaluations/assessments prescribed by the major, the Council on Teacher Education, or the Iowa Board of Educational Examiners.

Professional Education Waivers/Substitutions

1. Industrial Technology majors will be waived from 240:020. A student changing to a different education major from Industrial Technology would be required to complete 240:020.
2. Physical Education majors may substitute 420:174 for 250:150. A Physical Education major changing to a different education major from Physical Education would be required to complete 250:150.
3. Physical Education majors will be waived from 220:150. A student changing to a different education major from Physical Education would be required to complete 220:150.
4. Music Education majors will be waived from 250:150. A student changing to a different education major from Music Education would be required to complete 250:150.
5. Music Education majors will be waived from 240:020. A student changing to a different education major from Music Education would be required to complete 240:020.
6. Art Education majors will be waived from 240:020. A student changing to a different education major from Art Education would be required to complete 240:020.
7. Secondary science teaching majors (Science Education, Biology, Chemistry, Earth Science, and Physics) will be waived from 240:020. A student changing to a different education major from Science Education, Biology, Chemistry, Earth Science, and Physics would be required to complete 240:020.
8. Secondary business education teaching majors will be waived from 240:020. A student changing to a different education major from business education would be required to complete 240:020 or 240:031, depending on level of major.
9. Modern Language education majors will be waived from 240:020. A student changing to a different education major from modern language would be required to complete 240:020 or 240:031, depending on level of 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 College Writing and Research (620:005) or the equivalent with a grade of C- (1.67) or better (effective January 1, 2009, see note below);
6. complete Oral Communication (48C:001) 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 scores of 170 or better on the mathematics, reading, and writing sections of the PRAXIS I exam, and receive a total score of 522 or better across all three sections of the PRAXIS I exam;
9. demonstrate Acceptable Dispositions (absence of any Notification of Concern)
10. fulfill any additional requirements as prescribed by the Council on Teacher Education or the Iowa Board of Educational Examiners.

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 Examination Services, 007 Innovative Teaching and Technology Center (ITTC), UNI, 319-273-6023 or the Office of Teacher Education, 159A Schindler Education Center (SEC), UNI, 319-273-2265.

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 operation without becoming involved in the on-going activity itself. In the field and clinical 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 teacher candidates must complete a background check with the Iowa Division of Criminal Investigation (www.dps.state.ia.us/DCI/supportoperations/crimhistory/obtain_records.shtml) prior to the start of their first field experience and should carry proof of this check with them to all school sites. (See www.uni.edu/teached for procedures.) All teacher candidates must complete Mandatory Reporters of Child Abuse training prior to starting the Level II field experience at Malcolm Price Laboratory School and should carry proof of this training with them to that site.

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. 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;
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 (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 Council on Teacher Education, or the Iowa Board of Educational Examiners including, but not limited to, demonstration of acceptable professional dispositions. 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. Specific guidelines for addressing these delays are found in the Council on Teacher Education Handbook, Teacher Candidate Performance Review Committee: Policies and Procedures.

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 Council on Teacher Education. Should a student believe a procedural error was made by the Council during the appeal process, the student may appeal to the Office of the Provost in writing for a second review by the Council.

Emergency Suspension: Any student may be suspended *immediately* by the Director of 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. Reconsideration is determined by the Council on Teacher Education.

Majors and Minors - Teaching

Elementary majors may choose either a university-approved endorsement minor or a 24-hour area of concentration (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	Middle Level Education Dual
Art Education	Middle/Junior High School Science
Biology	Physical Education
Business	Physics
Chemistry	Psychology
Communication-Theatre	Social Science
Early Childhood Education	Spanish
Earth Science	Teaching English to Speakers of Other Languages (TESOL)
Elementary Education	Technology Education
English	TESOL/Modern Language
Geography	World Languages & Culture - Dual
Health Education	World Languages & Culture - French
History	World Languages & Culture - German
Mathematics	

Minors

Basic Science (K-8)	Instructional Strategist II: Mental Disabilities K-12
Biology	Literacy Education
Chemistry	Mathematics
Coaching	Mathematics (K-8)
Communication-Theatre	Modern Languages (K-8)
Early Childhood Special Education	Physical Education-Elementary Teaching
Earth Science	Portuguese
English	Russian
French	Social Studies (K-8)
Geography	Spanish
German	Teacher of Students With Visual Impairments (TVIS)
Health Education	Teaching English to Speakers of Other Languages (TESOL)
History	Technology Education
Instructional Strategist I: Mild/Moderate K-8	
Instructional Strategist I: Mild/Moderate 5-12	

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 nine studio areas in the Department of Art: ceramics, drawing, graphic design, jewelry/metals, 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	Semester Hours
Liberal Arts Core	45
Major Requirements	78
General Electives	7
B.F.A. Senior Exhibition	<u>0</u>
	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).

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

*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 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 (to be implemented Fall 2011) associated with 100-level courses.

Majors

Applied Physics

Biochemistry

Bioinformatics

Biology

Chemistry

Computer Science

Construction Management

Electrical Engineering Technology (EET)

Geographic Information Sciences

Geology

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 may complete the degree at their own pace without attending on-campus courses. Students often use guided independent study and other distance learning opportunities to earn credit.

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;

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

2. at least 30 hours of credit earned in the junior and/or senior years in courses at UNI. This total may include nonresidence credit.

Liberal Arts Core Requirements. Students must meet the basic undergraduate core requirements as specified and determined by the policies of the degree-granting institution.

Program Distribution Requirements. To 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, design, textiles, gerontology & family studies, 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. Web site www.uni.edu/continuing/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:

Category 1:	Core Competencies	12 hours*
Category 2:	Civilizations and Cultures	9 hours
Category 3:	Fine Arts, Literature, Philosophy and Religion	6 hours
Category 4:	Natural Science and Technology	7 hours
Category 5:	Social Science	9 hours
Category 6:	Capstone Experience	<u>2 hours</u>
Total Program Minimum		45 hours*

*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 (to be 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 hours required)*

620:005 College Writing and Research (3 hrs.)

620:015 Craft of Academic Writing (3 hrs.)

620:034 Critical Writing About Literature (3 hrs.)

*620:005 recommended for students with ACT English and Reading scores of 18-26;

620:015 has prerequisite of combined ACT English and Reading scores of 54 or higher;

620:034 recommended for English majors and minors with prerequisite of ACT English and Reading scores of 54 or higher.

B. Speaking and Listening (3 hours required)**

48C:001 Oral Communication (3 hrs.)

OR two courses distributed as follows:

48C:011 Oral Interpretation: Texts in Performance, (3 hrs.) or

48C:071 Public Speaking, (3 hrs.) or

48C:074 Argumentation and Debate, (3 hrs.);

AND

48C:004 Interpersonal Communication, (3 hrs.) or

48C:031 Group Communication Skills, (3 hrs.)

**For students admitted to UNI prior to Fall 1994, the Speech and Listening course included in the Communication Essentials category is not required.

C. Quantitative Techniques and Understanding (3 hours required)***

800:023 Mathematics in Decision Making (3 hrs.)

800:060 Calculus I (4 hrs.)

800:064 Introductory Statistics for Life Sciences (3 hrs.)

800:072 Introduction to Statistical Methods (3 hrs.)

810:025 Computational Modeling and Simulation, (3 hrs.)

Elementary Education students may meet the Category 1C requirement by completing 800:031 (3 hrs.).

***Students with Math ACT scores that are 26 or higher will be placed in 800:060 or 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 800:060. Those not satisfying these criteria will be placed in 800:072.

D. Personal Wellness (3 hours required)

440:010 Personal Wellness (3 hrs.)

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 hours required)

680:021 Humanities I: The Ancient, Classical, and Medieval Worlds (3 hrs.)

680:022 Humanities II: The Renaissance, Reformation, and Enlightenment (3 hrs.)

680:023 Humanities III: The Age of Revolution to the Present (3 hrs.)

B. Non-Western Cultures (3 hours required)

680:121 Russia/Soviet Union (3 hrs.)

680:122 Japan (3 hrs.)

680:123 Latin America (3 hrs.)

680:124 China (3 hrs.)

680:125 India (3 hrs.)

680:127 Middle East (3 hrs.)

680:128 Africa (3 hrs.)

680:132/990:132 Native North America (3 hrs.)

680:137/990:137 Native Central and South America (3 hrs.)

*780:120 may substitute for the Non-Western Cultures requirement (3 hrs.).***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 hours required)*

420:034 Survey of Dance History (3 hrs.)

490:002 The Theatrical Arts and Society (3 hrs.)

520:010 Soundscapes: Music in Culture (3 hrs.)

600:002 Visual Inventions (3 hrs.)

600:004 Visual Perceptions (3 hrs.)

590:002 may substitute for the Fine Arts requirement for all music majors (3 hrs.).*B. Literature, Philosophy, or Religion (3 hours required)**

620:031 Introduction to Literature (3 hrs.)

640:024 Religions of the World (3 hrs.)

650:021 Philosophy: The Art of Thinking (3 hrs.)

720:031 Introduction to Francophone Literature in Translation (3 hrs.)

740:031 Introduction to German Literature in Translation (3 hrs.)

770:031 Introduction to Russian Literature in Translation (3 hrs.)

790:031 Introduction to Portuguese and Hispanic Literatures in Translation (3 hrs.)

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 or 4 hours required)

- 820:032* Inquiry into Life Science (4 hrs.)
- 840:012 Life: The Natural World (3 hrs.)
- 840:013* Life: The Natural World - Lab (1 hr.)
- 840:014 Life: Continuity and Change (3 hrs.)
- 840:015* Life: Continuity and Change - Lab (1 hr.)
- 840:033* Principles of Microbiology (3 hrs.)
- 840:051* General Biology: Organismal Diversity (4 hrs.)
- 840:052* General Biology: Cell Structure and Function (4 hrs.)
- 840:101* Anatomy and Physiology (4 hrs.)
- 990:010 Human Origins (3 hrs.)
- * Lab Course

B. Physical Sciences (3 or 4 hours required)

- 820:031* Inquiry into Physical Science (4 hrs.)
- 820:033* Inquiry into Earth Science (4 hrs.)
- 860:010* Principles of Chemistry (4 hrs.)
- 860:011 Molecules and Life (3 hrs.)
- 860:020* Chemical Technology (4 hrs.)
- 860:044* General Chemistry (4 hrs.)
- 860:061* Applied General Chemistry (4 hrs.)
- 860:070* General Chemistry I-II (5 hrs.)
- 870:010** Astronomy (3-4 hrs.)
- 870:011* Astronomy Laboratory (1 hr.)
- 870:021 Elements of Weather (3 hrs.)
- 870:022* Elements of Weather Laboratory (1 hr.)
- 870:031* Introduction to Geology (4 hrs.)
- 870:125* Fossils and Evolution (4 hrs.)
- 880:011* Conceptual Physics (4 hrs.)
- 880:012 Physics in Everyday Life (3 hrs.)
- 880:054* General Physics (4 hrs.)
- 880:130* Physics I for Science and Engineering (4 hrs.)
- 970:026** Physical Geography (3-4 hrs.)
- * 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 970:010 and 970:040 toward the Liberal Arts Core.)

A. Group A Sociocultural and Historical Perspectives

680:040	Women's and Gender Studies: Introduction (3 hrs.)
900:023	American Civilization (3 hrs.)
970:010	Human Geography (3 hrs.)
970:040	World Geography (3 hrs.)
980:001	Introduction to Sociology (3 hrs.)
990:011	Culture, Nature, and Society (3 hrs.)

B. Group B Individual and Institutional Perspectives

31F:010	Human Identity and Relationships (3 hrs.)
400:001	Introduction to Psychology (3 hrs.)
920:024*	Introduction to Economics (3 hrs.)
942:014	Introduction to American Politics (3 hrs.)
943:024	International Relations (3 hrs.)

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

C. Group C Topical Perspectives

200:030	Dynamics of Human Development (3 hrs.)
450:041/900:041	Social Welfare: A World View (3 hrs.)
450:045/900:045/980:045	American Racial and Ethnic Minorities (3 hrs.)
900:020	Women, Men, and Society (3 hrs.)
940:020	Contemporary Political Problems (3 hrs.)
980:060	Social Problems (3 hrs.)

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 web site www.uni.edu/lac.

TOTAL**45 hours**

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

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

Certificate in Software Testing
Computer Applications Certificate

Department of Curriculum and Instruction

Instructional Technology Facilitator Certificate

Department of Educational Leadership, Counseling, and Postsecondary Education

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

Department of English Language and Literature

Certificate in Post-Colonial and Multicultural Literary Studies

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 and American Humanics Certificate

Outdoor Recreation Certificate

School-Age Care Leadership Certificate

Tourism Certificate

Department of History

Certificate in Public History

Department of Industrial Technology

Advanced Technology Certificate

Technology Management Certificate

Department of Marketing

Certificate in Entrepreneurship

Certificate in Marketing Research and Consulting

Department of Mathematics

Certificate in Continuous Quality Improvement

Department of Modern Languages

Certificate in French Language Studies

Certificate in German Language Studies

Certificate in Hispanic and Portuguese Studies

Certificate in Hispanic Cultures

Certificate in Portuguese Studies

Certificate in Russian Language Studies

Certificate in Spanish Language Studies

Certificate in Spanish For Special Purposes

International Commerce Certificate

Certificate in Translation: Spanish

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 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

College of Business Administration

Certificate in International Business, Culture, and Language

College of Humanities and Fine Arts

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.*

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 make written application at the opening of the semester. This application can be accessed through MyUNIverse <http://access.uni.edu/forms/index.shtml> and is filed with the Office of the Registrar.

I. Second Baccalaureate Degree (After First Baccalaureate Conferred)

A student may pursue a second baccalaureate degree after a first baccalaureate degree has been conferred. To receive a second baccalaureate degree after first baccalaureate degree has been conferred, a student must meet all the requirements for the second degree, including at least 36 weeks in residence and earning not less than 32 hours of credit.

For example: Student has 20 specified hours of coursework to meet the requirements for the second baccalaureate degree. Student will need to earn an additional 12 hours to meet the minimum 32 hours of credit required for a second baccalaureate degree.

J. Two Concurrent Degrees

A student may pursue two *different* baccalaureate degrees concurrently. To receive two different degrees concurrently (i.e., B.A./B.S., B.A./B.Music), a student must meet all the requirements for both degrees, including at least 36 weeks in residence and earning not less than 32 hours of credit beyond the hours required for the degree **the student chooses to declare as the first degree.**

For example:

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

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

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

The university does not grant two of the *same* degrees concurrently, including the Bachelor of Arts degree-Liberal Arts and the Bachelor of Arts degree-Teaching program.

A student may have a double major, one in Teaching and one in Liberal Arts, but the Teaching major must be declared as the first major and the B.A. Teaching degree will be the degree conferred, since the teaching degree has the higher grade index requirement.

Additional Requirements for the Baccalaureate Teaching Program

1. For the completion of any undergraduate curriculum the student must earn a minimum of twelve (12) semester hours of credit in student teaching at this university, except that an undergraduate student with three (3) or more semester hours of credit in student teaching earned at the same level in another college or university may be released from four (4) hours of student teaching at this institution.
2. Not more than twelve (12) hours of credit in student teaching may be used toward the hours required for graduation.
3. One year in advance of the time a student plans to enroll in student teaching, s(he) will be invited to attend a Student Teaching Roundup during which s(he) will complete the necessary steps to apply to student teach and to receive a student teaching assignment. To be eligible for assignment to a student teaching placement, s(he) must have completed the following requirements:
 - a. FULL admission to the teacher education program;
 - b. certificate in *High Risk Behaviors/Substance Abuse*;
 - c. a cumulative GPA of 2.50 or higher on work at all colleges and universities;
 - d. a UNI GPA of 2.50 or higher;
 - e. a 2.50 GPA in the appropriate academic department or department approval;
 - f. a grade of C- (1.67) or higher in each Professional Education Sequence course, effective January 1, 2009, and a GPA of 2.50 or higher across all such courses;
 - g. completed all methods courses listed as prerequisites for student teaching with a grade of C (2.00) or higher as well as other departmental requirements;
 - h. Mathematics majors are required to have a major GPA of 2.50 or higher AND departmental approval; and
 - i. Health Education and Physical Education majors and minors are required to have current First Aid and CPR certification prior to student teaching.

The final student teacher assignment is based upon fulfillment of all established requirements as stated above, successful completion of Level II and Level III field experiences (minimum of 80 clock hours in PK-12 school settings), acceptable professional dispositions, and availability of placement.

Teaching Licensure

Teaching licenses are issued by state departments of education and are valid only in the state of issue. A college or university recommendation is required for issuance of a license.

Students in the 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 Council on Teacher Education, or the Iowa Board of Educational Examiners.

For additional information, contact the Office of the Registrar, University of Northern Iowa, Cedar Falls, IA 50614-0006.

Hours of Credit Needed to Renew or Reinstate a License

Renewal and reinstatement requirements are established by the Iowa State Board of Educational Examiners and are subject to change by that body at any time. The Bureau of Practitioner Preparation and Development of the Department of Education distributes information concerning all changes in licensure requirements to city superintendents and to the teacher-education institutions.

Information concerning the renewal or reinstatement requirements may be obtained from the:

Board of Educational Examiners
Grimes State Office Building
400 E. 14th St.
Des Moines, Iowa 50319-0147
(Web site www.boee.iowa.gov)

Graduate Information, Admission, Academic Regulations, and Degree Requirements

www.grad.uni.edu

The University of Northern Iowa offers twelve advanced programs leading to graduate degrees in:

- Master of Accounting
- Master of Artss
- 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 Industrial Technology

The University of Northern Iowa is a member of the Council of Graduate Schools in the United States and continues its endeavors to meet the needs of higher education and advanced preparation in diverse career fields with a strong and growing graduate program. Graduate degree programs were initiated at UNI in 1951 when the university was authorized by the Board of Regents, State of Iowa to offer a program of graduate work leading to the **Master of Arts in Education** (M.A.E.); the program began with the summer session of 1952. In 1960 the graduate program was extended with the addition of a sixth-year program leading to the **Specialist in Education** (Ed.S.) degree. The addition of the **Doctor of Education** (Ed.D.) program, approved by the Board of Regents, State of Iowa in 1982, enables UNI to offer a complete course of professional preparation for the educational practitioner. Six intensive study areas are available through this Doctor of Education degree program: community health education; curriculum and instruction; educational leadership; leisure, youth and human services; rehabilitation studies; 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, Biology, Chemistry, Computer Science and Environmental Science/Health 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 Industrial Technology**, the university's first doctoral program, was authorized by the Board of Regents, State of Iowa to begin with the 1978 fall semester. This doctoral program provides advanced-level study in industrial 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 most 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 remaining in undergraduate classification. 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/applicationform.aspx. 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 required by the International Services Office.

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 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/gradmajors.shtml), but international students should submit their materials to the 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.**

All applicants who are not native speakers of English are required to take the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) test. International students should contact the Office of Admissions, University of Northern Iowa, for explanation of requirements. The minimum TOEFL score required for admission to graduate status is 550 (paper-based)/213 (computer-based) or 79-80 (Internet). The minimum IELTS score required is 6.5. Individual departments may require a higher score.

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:

A. **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.

B. **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:

- A. wishes to take courses for self-enlightenment unrelated to any graduate degree program.
- B. 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 receive graduate credit must file an official transcript from **each** college or university from which they have received a degree, unless the degree was obtained from the University of Northern Iowa. **Only transcripts sent directly from the issuing institution to the UNI Office of Admissions are considered official.**

All applicants who are not native speakers of English are required to take the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) test. International students should contact the Office of Admissions, University of Northern Iowa, for explanation of requirements. The minimum TOEFL score required for admission to graduate status is 550 (paper-based)/213 (computer-based) or 79-80 (Internet). The minimum IELTS score required is 6.5.

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

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 carries a stipend paid in equal installments over a 10-month period. One semester and half-assistantship stipends may also be awarded. The associated work assignment 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 within the program of study. In absence of a program of study, 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 listed on their program of study. Once students have completed their Program of Study credit hours, the graduate assistantship expires, even if students are taking additional classes. The assistantship does not support students beyond the program completion.

Stipend 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 to the dean of the given college who forwards those to be recommended to the Graduate College. Graduate assistantship stipends are awarded through the Graduate College.

Graduate Scholarships

Graduate College tuition scholarships are awarded through the Graduate College upon recommendation of both the department head and college dean. 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 within the program of study. In absence of a program of study, 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 listed on program of study. Full or half tuition scholarships are available. Once students have completed their Program of Study credit hours, the tuition scholarship expires, even if students are taking additional classes. The assistantship does not support students beyond program 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.**

The Graduate College also administers the campus activities involved in several scholarship competitions, such as Fulbright, Rhodes, and Marshall, which support graduate study abroad. Interested students are encouraged to inquire about these programs of support in their junior or senior year of college or as early in their graduate programs as possible.

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

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 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.

Regulations Affecting Registration

Each student admitted to Degree Status 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 - a maximum of 6 semester hours during one four-week period and 3 semester hours during the other four-week period; or three, 3-semester-hour courses during an eight-week period. 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. 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/629C, Continuous Graduate Student (xxx 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 (Degree Audit)

When a student's admission file is complete, a standard program of study is released online for view by the student and the advisor in MyUNiverse. (For students, the program of study is found in the Academics tab under My Academic Records. For advisors, the student's program of study is found in the Academics tab under 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. Students will select the thesis or non-thesis option, if applicable. The program of study (degree audit) on the university's student information system becomes the tracking document of all graduate degree requirements. If the student or advisor chooses to make any changes in the program of study, a student request must be made online through MyUNiverse (see Filing Graduate Student Requests). The Dean of the Graduate College (or designee) is the final person to approve or reject any changes to the program of study. 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 attempted as a graduate student within the program of study. No more than six (6) semester hours of C credit (C+, C, C-) earned within the program of study may be applied toward credit for graduation. When C-range grades in the program of study exceed the six hour limit, one or more of such courses *must* be repeated. The original grade for any repeated course will be included in computation for the cumulative GPA in the program of study, as well as in the overall GPA. A course taken to satisfy degree requirements in which a student receives a D+, D, D- or F grade will not be considered satisfactory and *must* be repeated. The original grade for any repeated course (graduate or undergraduate level) will be included in the computation for the cumulative GPA in the program of study, as well as in the overall GPA. Individual departments may identify specific courses within the program of study for which a minimum grade of B is required.

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 within the program of study. 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. **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 the Registrar 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 the Registrar, the student may submit an online Student Request to transfer the course and use it on the graduate program of study. 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 Industrial 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 performances 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 hours. Attempted hours are any credit hours 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 in a program of study and attained a cumulative GPA less than 3.00 in that program 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 at the end of the term for suspension from graduate degree programs. A student who has attempted eighteen (18) or more semester hours in a program of study and attained a cumulative GPA less than 3.00 in that program will be suspended. Students placed on academic suspension cannot enroll in non-degree graduate status or take courses in the student's program of study 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 in the Graduate College.

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

In determining a graduate student's grade index, all graded course work attempted at this university within the student's program of study will be used as a basis of computation. **If the student does not yet have a program of study** (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

Any non-degree graduate student who is deficient 3 grade points or more of having a 3.00 cumulative grade point average will be suspended for a minimum of one calendar year. (Example: 9 hours x 3.00 = 27 grade points; therefore, with 24 grade points on 9 hours or a 2.67, automatic suspension would occur). Non-degree students who have been placed on academic suspension cannot enroll in graduate courses during the year of academic suspension. After one full calendar year, students who wish to enroll in graduate classes must re-apply to the University of Northern Iowa as a non-degree graduate student, or apply and be admitted to a graduate program of study, and receive approval from the Graduate College.

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.

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.

I. Departmental Nonacademic Probation:

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

- a. warn the student of this in writing and specify in what way(s) the student is failing to meet the departmental standard(s);
- b. advise the student (in writing) of the consequence(s) of failure to address the problem(s) cited, satisfactorily;
- c. 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;
- d. 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:

- a. provide, at the time of its imposition, a written explanation of this status, and its time limits;
- b. indicate the impact of departmental probation on the pursuit of future graduate course work in the program of study;
- c. 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;
- d. provide an explanation of the departmental reinstatement procedure(s);
- e. 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:

- a. notify the student of this in writing, specify what the student has done to merit departmental dismissal and its time limits;
- b. indicate the impact of departmental dismissal on the pursuit of future course work in the program of study;
- c. 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;
- d. 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. A **minimum of 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 in their program of study, 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 and meet thesis submission deadlines. Students receiving the Master of Music (M.M.) degree will be required to complete a final project as required by the department.
6. Meet the residence credit requirement.
7. Core requirements.

Master of Arts in Education

200:214 Foundations of Instructional Psychology - 3 hrs.

or

260:234 Philosophy of Education - 3 hrs.

250:205 Educational Research - 3 hrs.

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.** Application for graduation can be completed on paper or electronically on MyUNiverse any time up to the 12th week of classes during the semester the student plans to graduate (July 1 deadline for all summer sessions). During Fall and Spring semesters, the 12th week helps assure students' names will be included in the commencement publication. After the 12th week special application for graduation must be made on paper and submitted to the academic department for approval. Paper applications are available at MyUNiverse in the forms repository, at the Office of the Registrar, or in academic departments.

Non-Thesis Plan

1. The number of hours of graduate credit required varies with the major. A **minimum of 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. xxx:29R/629R cannot be applied to the required minimum hours of 200/6000-level as determined by each program. Following enrollment in 3 semester hours of xxx:299/6299, a non-thesis major can register for 1-12 hours of xxx:29R/629R in their program of study, 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, approved by the department and filed in the departmental office. The research paper must be read and approved by a committee of at least two members of the graduate faculty, presented in a format acceptable for publication and permanently filed in the departmental office.
6. Meet the residence credit requirement.
7. Core Requirements:

Master of Accounting

No core required.

Master of Arts in Education

200:214 Foundations of Instructional Psychology - 3 hrs.

or

260:234 Philosophy of Education - 3 hrs.

250:205 Educational Research - 3 hrs.

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)

200:214 Foundations of Instructional Psychology - 3 hrs.

or

260:234 Philosophy of Education - 3 hrs.

250:205 Educational Research or a departmental course in Research and Bibliography

A course in curriculum or methods of instruction in the major field or any additional course numbered 200/6000-level from courses in the 200:xxx through 290:xxx series.

8. **Application for graduation.** Application for graduation can be completed on paper or electronically on MyUNiverse any time up to the 12th week of classes during the semester the student plans to graduate (July 1 deadline for all summer sessions). During Fall and Spring semesters, the 12th week helps assure students' names will be included in the commencement publication. After the 12th week special application for graduation must be made on paper and submitted to the academic department for approval. Paper applications are available at MyUNiverse in the forms repository, at the Office of the Registrar, or in academic departments.

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 over a specific body of knowledge as prepared and administered by each department at the end of the student's program of study.
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 www.grad.uni.edu/thesis/thesismanual.aspx. 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. While the thesis may make no significant 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 (www.grad.uni.edu/thesis/thesispreview.aspx) 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 Web site www.grad.uni.edu/thesis/thesismanual.aspx.

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 the print center in the Physical Plant. 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, students will present a receipt of payment for the cost of the thesis binding. This fee is paid at the UNI Office of Business Operations. 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	Non- Thesis
Minimum graduate hours required	30*	30**
Minimum hours of credit at UNI	20	20
Maximum usable hours in transfer and correspondence~ credit combined	10^	10^
Maximum usable hours of correspondence~ credit (requires Graduate College preapproval)	3	3
Maximum usable hours of workshop credit	6	6
Minimum hours required in courses numbered 200/6000 and above at UNI	15#	12##

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

*Includes 6 to 9 hours for research (xxx:299/6299), depending on the master's program.

**Includes at least one research paper. Total hours depends on major chosen.

^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.

##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 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/default.aspx.

Students who plan to receive the degree Master of Accounting (MAcc) must meet the graduate 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/default.aspx.

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 graduate 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	Music
Biology	Performance and Training Technology
Chemistry	Philanthropy and Nonprofit Development
Communication Studies	Physical Education
Criminology	Political Science
Curriculum and Instruction: Instructional Technology	Psychology
English	School Library Studies
French	Science Education
Geography	Social Science
German	Sociology
Health Education	Spanish
History	Speech-Language Pathology
Leisure Services-Youth and Human Services	Teaching English to Speakers of Other Languages (TESOL)
Mathematics	TESOL/Modern Languages
Mathematics for the Middle Grades (4-8)	Women's and Gender Studies
Mental Health Counseling	

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/default.aspx.

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 graduate 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: Education of the Gifted

Curriculum and Instruction: Elementary Education

Curriculum and Instruction: Literacy Education

Middle Level Education: Content Specialization

Department of Educational Leadership, Counseling, and Postsecondary Education

Postsecondary Education: Student Affairs

Principalship

School Counseling

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/default.aspx.

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 graduate 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/default.aspx.

*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 graduate regulations and requirements for the master's program as described in this University Catalog and admission and program requirements specific to the major.

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

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 graduate regulations and requirements for the master's program as described in this University Catalog and the major program 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/default.aspx.

Students who plan to receive the degree Master of Science (M.S.) must meet the graduate 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
- Chemistry
- Computer Science
- Environmental Health
- Environmental Science
- Technology

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/default.aspx.

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 graduate regulations and requirements for the master's program as described in this University Catalog and the major program 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/default.aspx.

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 graduate 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:

Applied Chemistry and Biochemistry
 Applied Physics
 Biotechnology
 Ecosystem Management
 Industrial Mathematics
 Actuarial Science Option
 Continuous Quality Improvement Option
 Mathematical Computing and Modeling Option

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/default.aspx.

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 24 semester hours of credit in courses numbered 200/6000 or above, counting both the master's and the post-master's work but not counting any *Research* credit.
 - 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 attempted in the program of study. 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. A 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 www.grad.uni.edu/thesis/thesismanual.aspx. This manual should be consulted prior to writing the thesis. The thesis must have the approval of the thesis committee and the Dean of the Graduate College.
 - a. **Thesis Committee.** The Dean of the Graduate College approves the appointment of three members of the Graduate Faculty as an advisory committee to guide the student in selecting and completing an appropriate thesis project. Students must file a Committee Approval Form (www.grad.uni.edu/thesis/thesispreview.aspx) 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 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.
 - 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 www.grad.uni.edu/thesis/thesismanual.aspx.

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 the print center in the Physical Plant. 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, students will present a receipt of payment for the cost of the thesis binding. This fee is paid at the UNI Office of Business Operations. 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* 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 program graduate 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.** Application for graduation can be completed on paper or electronically on MyUNiverse any time up to the 12th week of classes during the semester the student plans to graduate (July 1 deadline for all summer sessions). During Fall and Spring semesters, the 12th week helps assure students' names will be included in the commencement publication. After the 12th week special application for graduation must be made on paper and submitted to the academic department for approval. Paper applications are available at MyUNiverse in the forms repository, at the Office of the Registrar, or in academic departments.

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/default.aspx.

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**. 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 six areas of intensive study and a related area; and a *Dissertation* of 7 semester hours. The Graduate Record Examination (General Test) is required for admission to the program in most intensive study areas.

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 six areas of intensive study provide for a specialized focus on practice. The six intensive study areas are: *Community Health Education, Curriculum and Instruction, Educational Leadership, Leisure, Youth and Human Services, Rehabilitation Studies, 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 six areas are as follows.

Community Health Education. This area of intensive study is designed to equip community health promotion and public health education professionals for positions of leadership in applied community and public health education settings. Graduates of the program are prepared for careers in applied academic settings including (but not limited to) allied health and nursing colleges, universities with a focus on teaching, and liberal arts colleges, as well as leadership positions in major community and public health organizations such as county, state, and national departments of public health, and government and non-government health organizations. (For more information, contact the Chair, Health Promotion and Education Division, 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.)

Leisure, Youth and Human Services. This area of intensive study is designed to interpret and apply youth development models and concepts as well as nonprofit administrative practices to the planning, management, supervision and evaluation of informal education programs in the community. Graduates are prepared for careers as applied scholars, administrators of community nonprofit organizations, youth serving agencies, public parks and recreation, foundations, and government agencies. Program of study will be based upon student's needs, interests, and upon approval by academic advisor and program of study committee. (For more information,

contact the Chair, Leisure, Youth and Human Services Division, School of Health, Physical Education, and Leisure Services.)

Rehabilitation Studies. This area of intensive study is designed to prepare Certified Athletic Trainers and/or other Allied Health professionals to plan, implement, evaluate, and supervise educational programs as well as develop a scholarly agenda. Graduates will be prepared for careers as athletic training program directors, clinical coordinators, applied scholars, and practicing clinicians. This program focuses on a holistic approach of preparing students by including administration, education, and rehabilitation studies within the curriculum. (For more information, contact the Chair of the Division of Athletic Training within the School of Health, Physical Education, and Leisure Services.)

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, Counseling, and Postsecondary Education; School of Health, Physical Education and Leisure Services - Division of Athletic Training, and Division of Health Promotion and Education; 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.

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 to the doctoral intensive study areas of Community Health Education, Curriculum and Instruction, Educational Leadership, and Rehabilitation Studies. Students applying for admission to the Ed.D. degree program in these areas 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.

The Graduate Record Examination is not required for admission to the doctoral intensive study areas in Leisure, Youth and Human Services and Special Education. These 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. Also required is a sample of professional writing that will be formally assessed. 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.

4. The applicant must have a minimum of three years of professional educational experience.
5. Three letters of recommendation must be submitted from individuals familiar with the applicant's potential for advanced professional study, at least one from a professor familiar with the applicant as a student and at least one from an educational employer/supervisor.
6. Applicants for whom English is not their first language must complete the Test of English as a Foreign Language Examination (TOEFL) or the International English Language Testing System (IELTS) test and check with their desired intensive study area

regarding acceptable scores.

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 the Registrar, 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+) earned within the program of study 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 in the program of study. Students must complete the 15-credit Professional Common core, the 38-credit Advanced Professional Study in one of six 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 program of study 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 (upper-level undergraduate and lower-level graduate) may apply toward this program of study. 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 (190:399/7399) 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 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:
 - 1) The candidate will have completed 80 percent of her/his program of study.
 - 2) The candidate will have satisfied the research proficiency requirement.
 - 3) The examination is prepared within the guidelines established by the ISA.
 - 4) 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 www.grad.uni.edu/thesis/thesismanual.aspx. This manual should be consulted prior to writing the dissertation.
- a. **Dissertation Committee.** The dissertation committee will consist of a minimum of five members of the UNI graduate faculty. One of the five members will be appointed by the Graduate Dean to serve as the committee member from outside the College of Education as well as the representative of the Graduate College. The names of two UNI graduate faculty must be recommended to the Graduate Dean when the Dissertation Committee Approval Form is submitted to the Graduate College. The Dean will appoint one of these people to serve on the committee.

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 190:389/7389 Dissertation Seminar. The remaining 6 hours will be 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 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 program of study 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* www.grad.uni.edu/thesis/thesismanual.aspx.

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 the print center in the Physical Plant. 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, students will present a receipt of payment of dissertation fees (see Dissertation Fees below). These fees are paid at the UNI Office of Business Operations. 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* 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* www.grad.uni.edu/thesis/thesismanual.aspx, 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; these include:
 1. a binding fee for the library and department copies of the dissertation. If a student wishes to bind additional copies, individual arrangements with a binder must be made.
 2. a microfilm fee to cover the cost of microfilming the dissertation and publishing the abstract.
 3. 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.

The binding, microfilming, and copyrighting fees must be paid at the UNI Office of Business Operations and a copy of the receipt submitted to the Graduate College at the time the final copy of the dissertation is deposited.

6. **Application for Graduation.** Candidates for the Doctor of Education degree must make application for graduation on appropriate university forms. Application for graduation can be completed on paper or electronically on MyUNiverse any time up to the 12th week of classes during the semester the student plans to graduate (July 1 deadline for all summer sessions). During Fall and Spring semesters, the 12th week helps assure students' names will be included in the commencement publication. After the 12th week special application for graduation must be made on paper and submitted to the academic department for approval. Paper applications are available at MyUNiverse in the forms repository, at the Office of the Registrar, or in academic departments.

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.

Doctor of Industrial Technology Degree

Students interested in the Doctor of Industrial Technology degree must submit a completed Application for Admission to Graduate Study and should contact the Department of Industrial Technology for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx. The Graduate Record Examination (GRE) is required for admission to the program.

The University of Northern Iowa offers the Doctor of Industrial Technology degree to meet the increasing need for advanced degree work in this field. Industrial technology is a relatively new and rapidly expanding knowledge base for a wide variety of professional fields: these include technology, trade and industrial education, technical institute education, industrial training, and technology transfer. This research-oriented degree program also includes the study of the technological systems used in industry and their effect on society and culture.

The Doctor of Industrial Technology degree is designed to develop scholars in the fields of education and industry. Programs emphasize the development of a thorough knowledge of (a) industrial 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 industrial 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 64 semester hours** of credit completed **beyond the master's degree**.

Specific program requirements are listed within the Department of Industrial Technology in this University Catalog.

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

1. Faculty, supervisors, and consultants of industrial 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. Leaders (e.g., deans, department heads, or directors) of technology-oriented programs at postsecondary institutions.
4. Researchers and research coordinators for education and industry in specific content fields of industrial 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 Industrial Technology, Technology Education, Technology or a related technical program, from any accredited institution may apply for admission to the Doctor of Industrial Technology degree program.

Applicants in the final semester or summer session of work on the master's degree may submit application materials and be admitted on *provisional* degree status until the master's degree notification is received in the Office of the Registrar.

Types of Admissions

Admission to the Doctor of Industrial 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 **3.20 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. These scores must rank in the 30th percentile or higher for each of the verbal, analytical writing, and quantitative sections. **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) Applicants for whom English is not their first language must complete the Test of English as a Foreign Language Examination (TOEFL) and **achieve a score of at least 575 (paper-based)/230 (computer-based)/89 (iBT)** or complete the International English Language Testing System (IELTS) test and achieve a score of at least 7.0.
- f) Each applicant must have a minimum of three 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 program but appropriate professional experience must then be included in the program of study. 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 program of study.
- g) All applications for admission will be reviewed by the Department of Industrial Technology Graduate Programs Committee. The committee may recommend degree status admission only if the candidate meets all the above requirements.

2. Provisional Degree Status.

- a) *Provisional* degree status admission *may be* recommended if an applicant does not meet all the above 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.) The committee may require a personal interview with an individual before taking action on an application for admission.
- b) Applicants admitted on provisional status must meet one or both of the following criteria before they may be reconsidered for degree status:
 - 1) completion of all deficiencies for admission to degree status.
 - 2) completion of 9 hours for a summer session or 12 hours during a spring or fall semester with a minimum grade point average of **3.20** 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 Industrial 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 Industrial 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 Industrial 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/thesispreview.aspx in the Graduate College to finalize the selection of advisory committee members. This advisory committee shall have the responsibility for the following:

1. approval of the application for candidacy (Professional Career Development Plan) and the planned course of study for the individual student.
2. personal interview with student after completion of the Professional Career Development Plan (PCDP).
3. preparation and evaluation of comprehensive written and oral examinations.
4. determination of any remedial requirements after comprehensive written and oral examinations are completed.
5. approval of publication requirement before allowing student to submit dissertation proposal.
6. approval of dissertation proposal and supervision of dissertation effort.
7. final approval of completed dissertation.
8. preparation and evaluation of oral examination over dissertation.
9. 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

Students will usually apply for admission to candidacy and submit their planned course of study for approval during their first semester or second summer session in residence. **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 program of study.

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.

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 Industrial Technology degree, subject to the transfer credit eligibility criteria and procedures under Common Regulations and Requirements for All Graduate Programs. **Hours that have been applied to meet the requirements of another degree cannot be transferred.**

Credit may not be transferred if taken four or more years prior to application for admission to the Doctor of Industrial Technology degree program, taking into consideration three years for degree completion. The student's faculty advisory committee will make recommendations regarding the applicability of transfer credit.

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

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.** No credit toward graduation will be allowed for courses in which the earned grade is below C- and a maximum of 6 hours of C credit (C-, C, C+) earned within the program of study may be applied toward credit for graduation. See also the Common Regulations and Requirements for All Graduate Programs.
2. **Credit hour requirements.** A minimum of 64 semester hours of credit must be completed beyond the master's degree. At least 52 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 Industrial Technology require 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 (330:399/7399) of 12 semester hours will be granted for the successful completion of the dissertation.
Not more than 12 hours of research (330:399/7399) 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 330:399/7399 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.** The student must be enrolled in continuous, full-time study for one academic year plus the preceding or following summer session. 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. **Professional Career Development Plan (PCDP).** The candidate consults with the chairperson of the advisory committee in the development of the Professional Career Development Plan, which requires approval by the candidate's faculty advisory committee. The PCDP includes a statement of the candidate's career goals, a compilation of the competencies and other skills already possessed along with supporting evidence, and a proposed plan of study to achieve the remaining career goal competencies. It requires both a written component and an oral interview. The PCDP must be completed early in the first or second semester or summer session in residence.

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

- a. **D.I.T. comprehensive examination.** The comprehensive examination is intended to be an evaluation of the candidate's mastery of the entire planned program of study, including the tools of research. It is used to evaluate the candidate's mastery of the subject at or near the end of the program 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 core program requirements, excluding dissertation research work, and upon the completion of at least 80 percent of the proposed elective courses in the program. The written portion will consist of three 4-hour periods. The dates will be scheduled in consultation with the advisor. 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 Industrial 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 Industrial 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 330:300/7300, 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 xxx:29C/629C, Continuous Graduate Student, until they have met the enrollment criteria for 330:300/7300, Post-Comprehensive.

- b. **Dissertation Examination.** An oral examination is required over the content and methodology used in conducting the research associated with the student's dissertation. The examination is conducted by the student's faculty advisory committee after the dissertation has been presented to the faculty advisory committee in final form.
6. **Publication.** Before being allowed to submit a dissertation proposal, the student must submit at least one scholarly paper for publication in a periodical, journal, or textbook within one of the professional fields related to industrial 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.
7. **Dissertation.** A dissertation is required of all candidates for the Doctor of Industrial Technology degree. Students are encouraged to talk with their faculty advisory committee about the topic for their dissertation early in the program. The dissertation is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis/thesismanual.aspx. *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 330:399/7399. 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 program of study 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/thesismanual.aspx.

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 the print center in the Physical Plant. 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, students will present a receipt of payment of dissertation fees (see Dissertation Fees below). These fees are paid at the UNI Office of Business Operations. 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* 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/thesismanual.aspx, 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; these include:
 1. a binding fee for the library and department copies of the dissertation. If a student wishes to bind additional copies, individual arrangements with a binder must be made.
 2. a microfilm fee to cover the cost of microfilming the dissertation and publishing the abstract.
 3. 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.

The binding, microfilming, and copyrighting fees must be paid at the UNI Office of Business Operations and a copy of the receipt submitted to the Graduate College at the time the final copy of the dissertation is deposited.

8. **Application for graduation.** The candidate for the Doctor of Industrial Technology degree must make application for graduation on appropriate university forms. Application for graduation can be completed on paper or electronically on MyUNiverse any time up to the 12th week of classes during the semester the student plans to graduate (July 1 deadline for all summer sessions). During Fall and Spring semesters, the 12th week helps assure students' names will be included in the commencement publication. Applications received after the dates designated will be placed with those for the following session. Paper applications are available at MyUNiverse in the forms repository, at the Office of the Registrar, or in the Department of Industrial Technology.
9. **Attendance at commencement.** The candidate for the Doctor of Industrial Technology degree is expected to secure the appropriate academic regalia and appear at commencement for the awarding of the degree.

Program Requirements

(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 Industrial Technology.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

Alphabetical listing by departments:

Department of Accounting

Undergraduate Majors (B.A.)

Accounting

Graduate Major (Macc)

Master of Accounting

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

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: Microbiology Emphasis

Biology: Plant Bioscience Emphasis

Biology-Teaching

Biotechnology

Combined B.A./M.S. or B.S./M.S. Program Biology

Minors

Biology
 Biology-Teaching
 Natural History Interpretation

Graduate Major (M.A.)

Biology

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
 Combined B.A./M.S. Program Chemistry
 Chemistry-Teaching
 Chemistry-Marketing (also listed in Department of Marketing)

Minors

Chemistry
 Chemistry-Teaching

Graduate Major (M.A.)

Chemistry

Graduate Major (M.S.)

Chemistry

Graduate Major (P.S.M.)

Applied Chemistry and Biochemistry

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)
 Communication-Theatre-Teaching (also listed in Department of Theatre)
 Communication/Electronic Media
 Communication/Public Relations
 Political Communication (also listed in Department of Political Science)

Minors

Business Communication (also listed in Department of Management)
 Communication Studies (Liberal Arts)
 Communication-Theatre-Teaching (also listed in Department of Theatre)
 Communication/Journalism (Liberal Arts)
 Communication/Public Relations

Graduate Major (M.A.)

Communication Studies

Department of Computer Science**Undergraduate Majors (B.S.)**

Bioinformatics
 Computer Science
 Networking and System Administration

Undergraduate Majors (B.A.)

Computer Science

Minors

Bioinformatics
 Computer Science

Graduate Major (M.S.)

Computer Science

Program Certificates

Certificate in Computer Applications
 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)
Endorsement Minors/Concentrations:
 Basic Science (K-8)-Teaching (also listed in Science Education)
 Health Education (K-8)-Teaching (also listed in School of Health, Physical Education, and Leisure Services)
 Mathematics (K-8)-Teaching (also listed in Department of Mathematics)
 Modern Languages (K-8)-Teaching (also listed in Department of Modern Languages*)
 Physical Education (K-8)-Teaching (also listed in School of Health, Physical Education, and Leisure Services)
 Social Studies (K-8)-Teaching
 Special Education-Teaching (also listed in Department of Special Education)
 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: Education of the Gifted
 Curriculum and Instruction: Elementary Education
 Curriculum and Instruction: Literacy Education
 Middle Level Education: Content Specialization

Graduate Major (Ed.D.)

Doctor of Education: Curriculum and Instruction intensive study area

Program Certificate

Instructional Technology Facilitator Certificate

Department of Design, Textiles, Gerontology, & Family Studies**

(**Effective August 2010, the Department of Design, Textiles, Gerontology, and Family Studies was renamed the School of Applied Human Sciences - effective August 2010, the counseling programs within the Department of Educational Leadership, Counseling, and Postsecondary Education then moved to the School of Applied Human Sciences)

Undergraduate Majors (B.A.)

Family Services
 Gerontology (also listed in Interdisciplinary section)
 Interior Design
 Textile and Apparel

Minors

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

Department of Earth Science**Undergraduate Major (B.S.)**

Geology

Undergraduate Majors (B.A.)

Earth Science
 Earth Science-Interpretive Naturalist Emphasis
 Earth Science-Teaching
 Geology

Minors

Astronomy
 Earth Science
 Earth Science-Teaching
 Geology
 Meteorology

Department of Economics**Undergraduate Major (B.A.)**

Economics

Minor

Economics-Liberal Arts

Department of Educational Leadership, Counseling, and Postsecondary Education

(**Effective August 2010, the Department of Design, Textiles, Gerontology, and Family Studies was renamed the School of Applied Human Sciences - effective August 2010, the counseling programs within the Department of Educational Leadership, Counseling, and Postsecondary Education moved to the School of Applied Human Sciences)

Graduate Major (M.A.)

Mental Health Counseling**

Graduate Majors (M.A.E.)

Postsecondary Education: Student Affairs

Principalship

School Counseling**

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 English Language and Literature*

Undergraduate Majors (B.A.)

English

English-Teaching

Teaching English to Speakers of Other Languages (TESOL)

Teaching English to Speakers of Other Languages (TESOL)-Teaching

TESOL/Modern Language-Teaching (also listed in Department of Modern Languages*)

Minors

Comparative Literature (also listed in Department of Modern Languages*)

English

English-Teaching

Teaching English to Speakers of Other Languages (TESOL)

Teaching English to Speakers of Other Languages (TESOL)-Teaching

Writing

Graduate Majors (M.A.)

English

Teaching English to Speakers of Other Languages (TESOL)

TESOL/Modern Languages (also listed in Department of Modern Languages*)

Program Certificate

Certificate in Post-Colonial and Multicultural Literary Studies

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

Department of Geography

Undergraduate Major (B.S.)

Geographic Information Science

Undergraduate Majors (B.A.)

Geography
Geography with Environmental Systems Emphasis
Geography with Geographic Information Science Emphasis
Geography with Urban and Regional Spatial Analysis Emphasis
Geography-Teaching

Minors

Geography-Liberal Arts
Geography-Teaching

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

Graduate Major (Ed.D.)

Doctor of Education: Rehabilitation Studies intensive study area

Division of Health Promotion and Education**Undergraduate Majors (B.A.)**

Health Education-Teaching
Health Promotion

Minors

Health Education-Teaching
Health Promotion

Graduate Major (M.A.)

Health Education

Graduate Major (Ed.D.)

Doctor of Education: Community Health Education intensive study area

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
Dance
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

Minors

Leisure, Youth and Human Services
Youth Services Administration

Graduate Major (M.A.)

Leisure, Youth and Human Services

Graduate Major (Ed.D.)

Doctor of Education: Leisure, Youth and Human Services intensive study area

Program Certificates

Aquatics Specialization Certificate
Nonprofit Management and American Humanics 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

Department of Industrial 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.I.T.)

Doctor of Industrial Technology

Program Certificates

Advanced Technology Certificate

Technology Management Certificate

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

Undergraduate Majors (B.A.)/Minors

Asian Studies Minor
 General Studies Major
 Gerontology Major (also listed in Department of Design, Textiles, Gerontology and Family Studies)
 Global Studies Major
 Humanities Major
 Individual Studies Major
 Liberal Studies, Bachelor of
 International Business Minor
 International Business Minor (Non-Business Majors)
 Leadership Studies Minor
 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

Graduate Majors (M.S.)

Environmental Science and Health
 Environmental Science Emphasis
 Environmental Health Emphasis

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 Management

Undergraduate Majors (B.A.)

Management
 Management Information Systems
 Business Teaching

Minors

Business Communication (also listed in Department of Communication Studies)
 General Business Concepts

Department of Marketing

Undergraduate Majors (B.A.)

Chemistry-Marketing (also listed in Department of Chemistry and Biochemistry)
Marketing

Minor

Marketing (Non-Business Majors)

Program Certificates

Certificate in Entrepreneurship
Certificate in Marketing Research and Consulting

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
Mathematics for the Middle Grades (4-8)

Graduate Majors (P.S.M.)

Industrial Mathematics:
Actuarial Science
Continuous Quality Improvement
Mathematical Computing and Modeling

Program Certificate

Continuous Quality Improvement Certificate

Department of Military Science

Minor

Military Science Minor

Department of Modern Languages*

Undergraduate Majors (B.A.)

World Languages and Cultures - Dual
World Languages and Cultures - Dual Teaching
World Languages and Cultures - French
World Languages and Cultures - French Teaching
World Languages and Cultures - German
World Languages and Cultures - German Teaching
World Languages and Cultures - Russian
Spanish
Spanish-Teaching
TESOL/Modern Language-Teaching (also listed in Department of English Language and Literature*)

Minors

Comparative Literature (also listed in Department of English Language and Literature*)
 French Studies
 French-Teaching
 German
 German-Teaching
 Portuguese
 Portuguese-Teaching
 Russian
 Russian-Teaching
 Spanish
 Spanish-Teaching

Graduate Majors (M.A.)

French
 German
 Spanish
 TESOL/Modern Language (also listed in Department of English Language and Literature*)

Program Certificates

Certificate in French Language Studies
 Certificate in German Language Studies
 Certificate in Hispanic and Portuguese Studies
 Certificate in Hispanic Cultures
 Certificate in Portuguese Studies
 Certificate in Russian Language Studies
 Certificate in Spanish Language Studies
 Certificate in Spanish for Special Purposes
 International Commerce Certificate
 Certificate in Translation: Spanish

School of Music**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.)**

Applied Physics
Physics

Undergraduate Majors (B.A.)

Physics
Physics-Teaching
Combined B.A./P.S.M. or B.S./P.S.M. Applied Physics

Minors

Nanoscience and Nanotechnology
Physics

Graduate Major (P.S.M.)

Applied 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 Majors (B.A.)**

Psychology
Psychology-Teaching

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

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

Graduate Majors (M.A.)

Criminology
Sociology

Program Certificates

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 Price Laboratory School (PLS) and the Office of Student Field Experiences (OSFE).

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 Majors (B.A.)

Accounting

Graduate Major (MAcc)

Master of Accounting

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 the Student Advising and Career Services Office in the College of Business Administration or at www.CBA.uni.edu/dbweb/pages/students/advising-policies.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 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, 130:xxx, 150:xxx, 160:xxx, and 920:xxx courses taken at UNI, and earn a grade of C- or better in 120:129, 120:130, 120:131, 120:132, 120:134, and 120:136. 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 (120:030) or Principles of Managerial Accounting (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 the Student Advising and Career Services Office (CBB 321B) 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required business core:

Business Administration, Interdepartmental: 100:010; 100:020	0 hours
Accounting: 120:030; 120:031	6 hours
Marketing: 130:101	3 hours
Management: 150:080; 150:100; 150:153; 150:154; 150:175	15 hours
Finance: 160:151	3 hours
Economics: 920:020*; 920:053; 920:054; 920:070*	12 hours

Required:

Accounting: 120:129; 120:130; 120:131; 120:132; 120:134; 120:136	18 hours
	57 hours

While Accounting majors are not required to take accounting electives, the following electives are offered: 120:135, 120:139, 120:141, 120:142, 120:145. 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.

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

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/default.aspx.

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 (120:129) and Intermediate Accounting II (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.

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.

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 (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). See policies and procedures for Graduate Credit for Undergraduate Students. Graduate credit completed on the early admission basis will not be counted toward the undergraduate degree. 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).

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-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: 120:201; 120:214; 120:229 9 hours

Information technology component from the following 3 hours

Accounting: 120:236.

Management: 150:249.

Electives 18 hours

Accounting: 120:135, 120:139, 120:145, 120:240, 120:242,
120:263, 120:269, 120:280, 120:285, 120:289, 120:299.

Communications:

Management: 150:114.

Ethics:

Management: 150:174.

International Business:

Marketing: 130:177.

Finance: 160:158.

Economics: 920:136, 920:175.

Other electives:

Economics: 920:117, 920:125, 920:148.

Political Science: 942:153, 942:173.

History: 960:225.

Any other graduate level course approved by the
MAcc program director.

30 hours

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 120:144 or 120:169 or 120:179 or 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.

Department of Art

(College of Humanities and Fine Arts*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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

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: 600:018; 600:019; 600:026; 600:027; 600:040; 600:041 18 hours

Foundations Sequence for Art Studio minors:

Art: 600:018; 600:026; 600:027; 600:040 or 600:041 12 hours

Foundations Sequence for Art History minors:

Art: 600:018; 600:026 or 600:027; 600:040; 600:041 12 hours

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

Required: Foundations Sequence (600:018; 600:019; 600:026; 600:027;
600:040; 600:041) 18 hours

Required: studio distribution 12 hours

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

Group 1: 2-D studio distribution.

Choose two courses from 600:025; 600:032; 600:033 or 600:034 or 600:035 or 600:036; 600:080.

Group 2: 3-D studio distribution.

Choose two courses from 600:037, 600:050, 600:060, 600:074.

Required: history of art distribution	9 hours
Required: B.F.A. courses	
B.F.A. portfolio admission review	
600:192 B.F.A. Seminar: Critical Issues in Contemporary Art	3 hours
600:194	3 hours
600:189 B.F.A. exhibition	0 hours
Required: courses in studio concentration	
Five courses in studio concentration	15 hours
600:196 B.F.A. Project I (in area of studio concentration)	3 hours
600:197 B.F.A. Project II (in area of studio concentration)	3 hours
Art electives	12 hours
Courses chosen from studio, art history, or art education. Courses used in other categories cannot count toward these hours.	
	78 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/metals, painting, performance art, photography, printmaking, or sculpture.

The B.F.A. Exhibition (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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required: Foundations Sequence (600:018; 600:019, 600:026; 600:027; 600:040; 600:041)	18 hours
Required: studio distribution	6 hours
Group 1: 2-D studio distribution. Choose one course from 600:025, 600:032, 600:033, 600:034, 600:035, 600:036, or 600:080.	
Group 2: 3-D studio distribution. Choose one course from 600:037, 600:050, 600:060, or 600:074.	
Required: art history distribution	6 hours
Required: studio concentration	12 hours
12 hours in any one of the following areas: ceramics, drawing (excluding Drawing I and Drawing II), graphic design, jewelry/metals, 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.	
Studio electives	6 hours
	48 hours

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

Required: Foundations Sequence (600:018; 600:019; 600:026; 600:027; 600:040; 600:041)	18 hours
Required: studio distribution	6 hours
Group 1: 2-D studio distribution. Choose one course from 600:025, 600:032, 600:033, 600:034, 600:035, 600:036, or 600:080.	
Group 2: 3-D studio distribution. Choose one course from 600:037, 600:050, 600:060, or 600:074.	
Required: art history distribution	6 hours
One course from each of the following groups: Group 1 - 600:139, 600:140, 600:141, 600:143, 600:145, 600:155. Group 2 - 600:142, 600:144, 600:146, 600:148, 600:151, 600:152.	
Required: art history in non-Western cultures	3 hours
One course from the following: 600:139, 600:140, 600:147, 600:149, 600:150, 600:156.	
Required: 600:138	3 hours
Required: art history concentration	9 hours
At least three courses from the aforementioned art history Group 1 or Group 2. Art history courses used to fulfill the art history distribution requirement cannot be used to fulfill requirements in the art history concentration.	
Art history electives	6 hours
A minimum of two courses from the above listing of art history courses and/or 600:153, 600:154, 600:155, or 600:191.	
Foreign language (in addition to the foreign language competency requirement)	<u>6-10</u> hours 57-61 hours

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

Required: Foundations Sequence (600:018; 600:019; 600:026; 600:027; 600:040; 600:041)	18 hours
Required: studio distribution	12 hours
Group 1: 2-D studio distribution. Choose two courses from 600:025; 600:032; 600:033 or 600:034 or 600:035 or 600:036; 600:080.	

Group 2: 3-D studio distribution.

Choose two courses from 600:037, 600:050, 600:060, 600:074.

Required: art history distribution	6 hours
Required: professional methods courses* (600:091; 600:092; 600:119; 600:121)	10 hours
Art concentration	6 hours
	52 hours

Art Education majors must choose an Art Emphasis. Either a **Studio concentration** of 9 hours (one studio distribution course plus two more courses) in one of these areas: ceramics, drawing (excluding Drawing I), graphic design, jewelry/metals, painting, performance art, photography, printmaking, or sculpture; **OR** an **Art History concentration** of 12 hours (two upper-level Art History courses in addition to the 6-credit *Art History* Distribution).

*Completion of these courses will satisfy 240:020 of the Professional Education Requirements.

Minors

Art Minor

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

Required: Foundations Sequence (600:018; 600:026; 600:027; 600:040 or 600:041)	12 hours
Art Studio elective (listed below)	<u>9</u> hours
	21 hours

Art Studio courses: 600:025, 600:032, 600:033, 600:034, 600:035, 600:036, 600:037, 600:050, 600:060, 600:074, 600:080, 600:111, 600:118, 600:124, 600:125, 600:126, 600:127, 600:129, 600:130, 600:131, 600:132, 600:134, 600:137, 600:161, 600:162, 600:163, 600:170, 600:171, 600:172, 600:173, 600:174, 600:175, 600:177, 600:180.

Art History Minor

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

Required:	
Foundations Art History: 600:040; 600:041	6 hours
Foundations Studio: 600:018; one of following - 600:026 or 600:027	6 hours
Art History: (listed below)	<u>9</u> hours
	21 hours

Art History courses: 600:138, 600:139, 600:140, 600:141, 600:142, 600:143, 600:144, 600:145, 600:146, 600:147, 600:148, 600:149, 600:150, 600:151, 600:152, 600:153, 600:154, 600:155, 600:156, 600:191.

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/default.aspx.

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.

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:

Art: 600:295 (must be repeated for a total of 9 hrs.)	9 hours
Art: 600:192	3 hours
Art: 600:138 or 600:192 (may be taken twice) or 600:194	3 hours
Art: graduate level Art History	6 hours
Art: 600:299	6 hours
Graduate-level electives: (approved by the Chair of Graduate Studies, Department of Art)	<u>3</u> hours
	30 hours

Department of Biology

(College of Natural Sciences*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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 Systematics Emphasis

Biology: Microbiology Emphasis

Biology: Plant Bioscience Emphasis

Biology-Teaching

Biotechnology

Combined B.A./M.S. or B.S./M.S. Program Biology

Minors

Biology

Biology-Teaching

Natural History Interpretation

Graduate Major (M.A.)

Biology

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 (840:051 and 840:052) and chemistry (860:044 and 860:048, or 860:070). 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.
4. Students with ACT mathematics scores below 24 are required to complete either Precalculus (800:046) or Mathematics for the Biological Sciences (800:056) 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

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

The Bachelor of Science Biology major is designed to prepare students for careers in areas which require a higher degree of concentration in subject matter and cognate areas, particularly advanced-level courses. This degree is especially appropriate for students planning graduate study. In order to ensure graduation within eight semesters, students should work with advisors early in their programs, as advanced planning for sequenced courses is very important.

Required*:

Introductory track: 840:051; 840:052; 840:100**; 840:140**	15 hours
Biology: 840:157; 840:190 (2-3 hrs.)	5-6 hours
Cognate courses:	
Mathematics: 800:060	4 hours
Chemistry and Biochemistry: 860:044 and 860:048***; 860:120; 860:121; 860:123	16 hours
Physics: 880:054; 880:056	8 hours
Electives in biology#: (100/3000-level or above, excluding 840:101) or 800:061 or 860:154	<u>19-20</u> hours
	68 hours

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

**840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

***Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

#Not more than four (4) semester hours of credit from 840:179, 840:185, 840:190 and 840:198 will be accepted for biology elective credit.

Emphasis-Honors Research

Students invited to do Honors Research will complete 4 credit hours of 840:190 (Undergraduate Research) and 1 credit hour of 840:191 (Senior Thesis). These hours may be applied to the elective hours of the major.

Bachelor of Arts Degree Programs**Emphasis-Honors Research**

Students invited to do Honors Research will complete 4 credit hours of 840:190 (Undergraduate Research) and 1 credit hour of 840:191 (Senior Thesis). These hours may be applied to the elective hours of the major.

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

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: 840:051; 840:052; 840:100**; 840:140**	15 hours
Cognate courses:	
Mathematics: 800:046 or 800:060 or 800:044 and 800:056	4-5 hours
Chemistry and Biochemistry: 860:044 and 860:048***; 860:120 and 860:121 or 860:063	12-13 hours
Earth Science: 870:031; 870:035 or Physics: 880:054; 880:056	8 hours
Electives in biology#: (100/3000-level or above, excluding 840:101) or 860:123 or 860:154	17-19 hours 58 hours

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

**840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

***Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

#Not more than four (4) semester hours of credit from 840:179, 840:185, 840:190 and 840:198 will be accepted for biology elective credit.

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

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: 840:051; 840:052; 840:100**; 840:140**	15 hours
Anatomy group: select one option from following list - 840:106, 840:146##, 840:172	4 hours
Physiology group: select one option from following list - 840:114 and 840:115; 840:122; 840:137 and 840:138	4 hours
Cellular group: select one option from following list - 840:128, 840:146##, 840:150	4 hours
Cognate courses:	
Mathematics: 800:046 or 800:060 or 800:044 and 800:056	4-5 hours
Chemistry and Biochemistry: 860:044 and 860:048***; 860:120; 860:121; 860:123	16 hours
Physics: 880:054; 880:056	8 hours

Electives selected from the following (consult with advisor): 2-3 hours

Biology: 840:102, 840:106, 840:114 and 840:115, 840:119, 840:122,
840:128, 840:131, 840:137 and 840:138, 840:142,
840:144, 840:146, 840:147, 840:150, 840:151, 840:152,
840:153, 840:157, 840:160, 840:164, 840:168, 840:170,
840:172, 840:190.

Chemistry and Biochemistry: 860:154.

—
58 hours

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

**840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

***Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

840:146 cannot satisfy both requirements.

Biology Major: Ecology and Systematics Emphasis

The B.A. Biology Major: Ecology and Systematics 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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, Botany, 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: 840:051; 840:052; 840:100**; 840:140** 15 hours

Cognate courses:

Mathematics: 800:046 or 800:060 or 800:044 and 800:056 4-5 hours

Chemistry and Biochemistry: 860:044 and 860:048***; 860:063 or
both 860:120 and 860:121 12-13 hours

Physical Science: 870:031 or 880:054 4 hours

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

Biology#: 840:103, 840:106, 840:112, 840:114 and 840:115,
840:120, 840:122, 840:131, 840:137 and 840:138, 840:142,
840:143, 840:146, 840:154, 840:155, 840:157, 840:160, 840:164,
840:166, 840:167, 840:168, 840:170, 840:172, 840:174, 840:178,
840:179, 840:180, 840:185, 840:190, 840:198.

Earth Science: 870:125 or

Geography: 970:164.

—
58 hours

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

**840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

***Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

#Not more than four (4) semester hours of credit from 840:179, 840:185, 840:190 and 840:198 will be accepted for biology elective credit.

Biology Major: Microbiology Emphasis

The B.A. Biology Major: Microbiology 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

This emphasis provides a broad overview of microbiology, including virology, microbial genetics, and general microbiology. It is excellent preparation for careers in microbiology in the health sciences or industry and for graduate training in microbiology and related fields.

Required*:

Introductory track: 840:051; 840:052; 840:100**; 840:140**	15 hours
Biology: 840:144; 840:151; 840:152	12 hours
Cognate courses:	
Mathematics: 800:046 or 800:060 or 800:044 and 800:056	4-5 hours
Chemistry and Biochemistry: 860:044 and 860:048***; 860:063, or 860:120 and 860:121 and 860:123****	12-16 hours
Physics: 880:054	4 hours
Electives: selected from the following (consult with advisor)	6-11 hours
Biology#: 840:128, 840:147, 840:150, 840:190.	
Chemistry and Biochemistry: 860:154.	
Physics: 880:056.	
	58 hours

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

**840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

***Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

****Students seeking more depth and considering post-baccalaureate studies are advised to take the 860:120, 860:121, and 860:123 option.

#Not more than four (4) semester hours of credit from 840:190 will be accepted for biology elective credit.

Biology Major: Plant Bioscience Emphasis

The B.A. Biology Major: Plant Bioscience 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

This emphasis provides training to students interested in plant bioscience. From the cell to the organismal level, students will be trained in traditional and molecular principles and techniques of plant anatomy,

physiology and cell biology. This emphasis is appropriate for students interested in crop and timber improvement, nutritional enhancement, pharmaceutical production, horticulture, genetic engineering, and plant-based biotechnology which contributes to a wide array of industrial and research applications. Employment opportunities are in agricultural research, food production, and in the pharmaceutical and manufacturing sectors. This emphasis also provides a strong background for students wishing to pursue graduate degrees in the plant biosciences, plant physiology, plant biotechnology, plant genetics, plant pathology and protection, plant developmental biology and others.

Required:

Introductory track: 840:051; 840:052; 840:100**; 840:140**	15 hours
Biology: 840:121; 840:122; 840:172; 840:120 or 840:166	16 hours
Cognate courses:	
Mathematics: 800:046 or 800:060 or 800:044 and 800:056	4-5 hours
Chemistry and Biochemistry: 860:044; 860:048***; 860:120; 860:123	14 hours
Physics: 880:054	4 hours
Electives selected from the following	4-5 hours
Biology: 840:103, 840:120, 840:128, 840:142, 840:144, 840:151, 840:152, 840:153, 840:157, 840:166, 840:168, 840:170.	
Chemistry and Biochemistry: 860:154.	
	— 58 hours

**840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

***Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

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

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: 840:051; 840:052; 840:100**; 840:140**	15 hours
Evolutionary Biology: 840:142	3 hours
Plant group: select one option from following list - 840:120, 840:122, 840:166, 840:172	4 hours
Animal group: select one option from following list - 840:106, 840:114 and 840:115***, 840:146, 840:160, 840:164	4 hours
Cellular group: select one option from following list - 840:128, 840:151, 840:152	4 hours
Cognate courses:	
Chemistry and Biochemistry: 860:044; 860:048***; 860:063	12 hours
Earth Science: 870:035	4 hours
Physics: 880:054	4 hours

Methods:

Science and Science Education: 820:190; 820:196	5 hours
Biology: 840:193; 840:197	4 hours
Electives in biology#: (100/3000-level or above, excluding 840:101)	4 hours
	63 hours

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

**840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

***Students who take 840:101 and 840:102 may substitute four hours of this credit for 840:114 and 840:115; if so, neither 840:101 nor 840:102 can count as biology elective credit.

****Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology or chemistry electives for 860:044 and 860:048.

#Not more than four (4) semester hours of credit from 840:179, 840:185, 840:190, and 840:198 will be accepted for biology elective credit.

Biotechnology Major

The B.A. Biotechnology 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*.

This major is designed to provide educational training for employment in modern biotechnology fields in both the public and private sectors or for graduate school. Basic skills in recombinant DNA, genetics, microbiology, and biochemistry are emphasized.

Required:

Introductory track: 840:051; 840:052; 840:100**; 840:140**	15 hours
Biology: 840:119; 840:153; two of the following - 840:121, 840:128, 840:152	15 hours
Cognate courses:	
Chemistry and Biochemistry: 860:044 and 860:048***; 860:063, or 860:120 and 860:123 and 860:154****	12-18 hours
Electives: selected from the following list (approved by advisor)	12-18 hours
Computer Science: 810:165.	
Biology#: 840:114 and 840:115, 840:121, 840:122, 840:127, 840:128, 840:129, 840:137 and 840:138, 840:144, 840:146, 840:150, 840:151, 840:152, 840:190.	
Chemistry and Biochemistry: 860:121, 860:132, 860:155, 860:156.	
Physics: 880:054, 880:056.	
	— 60 hours

**840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

***Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

****Students seeking more depth and considering post-baccalaureate studies are advised to take the 860:120, 860:123, and 860:154 option.

#Not more than four (4) semester hours of credit from 840:190 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/default.aspx.

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

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

Required:

Introductory track: 840:051; 840:052	8 hours
Chemistry and Biochemistry: 860:044 and 860:048*	8 hours
Electives in biology: (100/3000/4000-level, excluding 840:101, 840:179, 840:185, 840:190, and 840:198)	<u>10-12</u> hours 26-28 hours

*Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

Biology Minor-Teaching

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

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: 840:051; 840:052; 840:100*; 840:140*	15 hours
Chemistry and Biochemistry: 860:044 and 860:048**	8 hours
Methods:	
Science and Science Education: 820:190; 820:196	5 hours
Biology: 840:193	<u>3</u> hours
	31 hours

*840:100 and 840:140 are not required as prerequisites for 100/3000-level courses.

**Students with excellent preparation in chemistry may substitute 860:070 plus 3 additional credit hours of biology electives for 860:044 and 860:048.

Natural History Interpretation Minor

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

The Natural History Interpretation minor provides students with interpretive techniques and opportunities to gain practical experience with interpretation and environmental education program development. This minor, taken with the Biology Major: Ecology and Systematics Emphasis or the Earth Science Major: Interpretive Naturalist Emphasis, comprises the Natural History Interpretation program. This program prepares students for employment as interpreters with park systems, nature centers, zoos, museums, planetariums, and other areas requiring natural history communication skills.

Required:

Leisure, Youth and Human Services: 430:050 or 430:146 or 430:170	3 hours
Biology: 840:084; 840:184; 840:196	8 hours
Biology: 840:195	
OR	
Earth Science: 870:195	4-6 hours
Biology: 840:180*	
OR	
Anthropology: 990:125	<u>3-4</u> hours
	18-20 hours

*If 840:180 is taken to satisfy a requirement of the Natural History Interpretation Minor, it cannot also be used for credit on the Biology Major: Ecology and Systematics Emphasis.

Master of Arts Degree Program

Major in Biology

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/default.aspx.

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 36 semester hours** is required, including a 3-credit-hour research paper. A **minimum of 15 semester hours of 200/6000-level course work is required**. 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.

Successful completion of a final written comprehensive examination is required.

Required:

200/6000-level courses	9 hours
1 course in at least 3 of the 4 content areas (prerequisites vary)	
Biology: 840:202	4 hours
Biology: 840:292	1 hour
Research: 840:299	3 hours
Electives: 100g/5000-level or above (excluding 840:299)	<u>19</u> hours
	36 hours

Content areas:

- I. 840:240 Advanced Cellular and Molecular Biology
- II. 840:250 Advanced Physiology and Development
- III. 840:260 Advanced Ecology
- IV. 840:270 Advanced Systematics and Evolutionary Biology

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/default.aspx.

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

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 courses (take one course in at least two of the content areas listed below - prerequisites vary)	6 hours
Biology: 840:202	4 hours
Biology: 840:292	1 hour
Research: 840:299	9 hours
Electives: 100g/5000-level or above (excluding 840:299)	<u>12</u> hours
	32 hours

Content areas:

- I. 840:240 Advanced Cellular and Molecular Biology
- II. 840:250 Advanced Physiology and Development
- III. 840:260 Advanced Ecology
- IV. 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 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/default.aspx.

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 30 semester hours** is required. A **minimum of 18 semester hours of 200/6000-level course work is required.**

Required:

Biology: 840:240; 840:280 6 hours

Science and Science Education:

820:209; 820:215 6 hours

820:289 Seminar 2 hours

820:295 Internship 4-6 hours

Electives* 10-12 hours
30 hours

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

Group A

Biology: 840:121; 840:127; 840:129; 840:153.

Chemistry and Biochemistry: 860:154.

Group B

Biology: 840:122; 840:128; 840:146; 840:150; 840:157.

Chemistry and Biochemistry: 860:155; 860:156; 860:211.

Major in Ecosystem Management

This P.S.M. degree prepares students for career opportunities in conservation and restoration-related businesses, industries, and government agencies. Emphasis is placed on blending ecosystem analysis, management and restoration skills with an understanding of business and other organizational environments, and 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 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 any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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 30 semester hours** is required. A **minimum of 18 semester hours of 200/6000-level course work is required.**

Required:

Biology: 840:180; 840:260; 840:280 10 hours

Science and Science Education:

820:209; 820:215 6 hours

820:289 Seminar 2 hours

820:295 Internship 4 hours

Electives* 8 hours
30 hours

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

Group A

Biology: 840:105, 840:154, 840:167, 840:178, 840:157 or
Mathematics: 800:121.

Group B

Biology: 840:131, 840:155, 840:164, 840:166.

Earth Science: 870:141.

Economics: 920:123.

Geography: 970:126, 970:129, 970:163, 970:165, 970:168, 970:174, 970:175.

Department of Chemistry and Biochemistry

(College of Natural Sciences*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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

Combined B.A./M.S. Program Chemistry

Chemistry-Teaching

Chemistry-Marketing (also listed in Department of Marketing)

Minors

Chemistry

Chemistry-Teaching

Graduate Major (M.A.)

Chemistry

Graduate Major (M.S.)

Chemistry

Graduate Major (P.S.M.)

Applied Chemistry and Biochemistry

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, and three master's degree areas: Master of Arts, Master of Science, and Professional Science Master's.

Students considering a baccalaureate chemistry major should complete two semesters of general chemistry, 860:044 and 860:048, in the freshman year. Well-prepared students may be permitted to take 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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: <i>800:060</i> ; 800:061	8 hours
Biology: <i>840:051</i> ; <i>840:052</i> ; 840:140	12 hours
Chemistry and Biochemistry: <i>860:044</i> and 860:048, or <i>860:070</i> ; 860:110; 860:120; 860:121; 860:123; 860:132; 860:137; 860:140; 860:141; 860:143; 860:154; 860:155; 860:156; 860:180 (2 hrs.)	43-46 hours
Physics: <i>880:054</i> and 880:056; OR 880:130 and 880:131	<u>8</u> hours 71-74 hours

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

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: <i>800:060</i> ; 800:061	8 hours
Chemistry and Biochemistry: <i>860:044</i> and 860:048, or <i>860:070</i> ; 860:110; 860:120; 860:121; 860:123; 860:132; 860:137; 860:140; 860:141; 860:143 (2 hrs.); 860:145; 860:149; 860:154; 860:180 (2 hrs.)	44-47 hours
Physics: <i>880:130</i> and 880:131; or <i>880:054</i> and 880:056 and one 100/3000/4000-level cognate elective of at least 3 hours	8-11 hours
Elective: a chemistry lecture course carrying a physical chemistry prerequisite	<u>3</u> hours 63-69 hours

Notes:

- To satisfy American Chemical Society guidelines for certification of the Chemistry major, the two hours of 860:180 Undergraduate Research required for this program must be taken after completion of 860:140 Physical Chemistry: Thermodynamics; 860:141 Physical Chemistry: Kinetics, Quantum Mechanics, and Spectroscopy; or both 860:121 Organic Chemistry Laboratory and 860:132 Quantitative Analysis. In addition, completion of a final written report is required.

- Students wishing to earn a non-certified Bachelor of Science degree may omit 860:145, 860:149, and 860:154, 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 880:054 and 880:056 alone.
- 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 860:180 Undergraduate Research (at least 2 hours of which must be taken after completion of 860:140 Physical Chemistry: Thermodynamics or 860:141 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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: 800:060	4 hours
Biology: 840:051; 840:052; 840:140	12 hours
Chemistry and Biochemistry: 860:044 and 860:048, or 860:070; 860:110 or 860:132; 860:120; 860:121; 860:123; 860:142*; 860:154; 860:155; 860:156	28-31 hours
Physics: 880:054; 880:056	8 hours
	52-55 hours

*Students with better preparation in mathematics (800:060 and 800:061) may elect 860:140 and 860:141 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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: 800:060; 800:061	8 hours
Chemistry and Biochemistry: 860:044 and 860:048, or 860:070; 860:110; 860:120; 860:121; 860:123; 860:132; 860:137; 860:140; 860:141	31-34 hours
Physics: 880:054 and 880:056; or 880:130 and 880:131	8 hours 47-50 hours

Combined B.A./M.S. Program Chemistry

The B.A./M.S. degree program is a five-year program offered on the **thesis** option only, leading to both the B.A. and M.S. degrees in chemistry. This program prepares students for doctoral graduate studies in chemistry and it provides training for work as a chemist in industrial and government laboratories. Students interested in this program can declare their intent by the end of the junior year, provided they have completed 860:141 and 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. Program in Chemistry indicated on the application itself. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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. Graduate credit completed on the early admission basis will not be counted toward the undergraduate degree. Students must meet the admission requirements of the Graduate College and the Department of Chemistry and Biochemistry upon transition from undergraduate to graduate status at the end of the senior year. 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. Chemistry major for program requirements.

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

This program provides preparation for chemistry teachers.

Required:

Mathematics: <i>800:060</i>	4 hours
Chemistry and Biochemistry: <i>860:044</i> and <i>860:048</i> ; <i>860:063</i> ; <i>860:110</i> ; <i>860:132</i> ; <i>860:140</i> or <i>860:141</i> or <i>860:142</i>	23 hours
Physics: <i>880:054</i> and <i>880:056</i> ; or <i>880:130</i> and <i>880:131</i>	8 hours
Methods:	
Science and Science Education: <i>820:190</i> ; <i>820:193</i> ; <i>820:196</i>	8 hours
Electives in chemistry and biochemistry	<u>1</u> hour
	44 hours

Notes:

1. Well-prepared students may substitute *860:070* for *860:044* and *860:048*; these students must also substitute *860:120* and *860:121* and *860:123* for *860:063* and the one-hour elective.
2. Students who complete both *860:140* and *860:141* 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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

Required:

Accounting: <i>120:030</i> ; <i>120:031</i>	6 hours
Marketing*: <i>130:101</i> ; <i>130:106</i> ; <i>130:153</i> ; <i>130:161</i> or <i>130:178</i>	12 hours
Management: <i>150:153</i>	3 hours
Economics*: <i>920:024</i> or <i>920:053</i>	3 hours
Chemistry and Biochemistry: <i>860:044</i> and <i>860:048</i> , or <i>860:070</i> ; <i>860:110</i> or <i>860:154</i> ; <i>860:120</i> ; <i>860:121</i> ; <i>860:123</i> ; <i>860:132</i> ; <i>860:142</i>	24-27 hours 48-51 hours

Note: Students on this major are strongly encouraged to complete *130:108*. Additional prerequisites for *130:108* are *150:080*, *800:072*, *920:020*, and *920:070*. *800:072* will satisfy Category 1C of the Liberal Arts Core.

*All listed marketing courses have either *920:024* or *920:053* as a prerequisite. Either *920:024* or **both** *920:053* and *920:054* will satisfy Category 5B of the Liberal Arts Core.

Minors

Chemistry Minor

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

Required:

Chemistry and Biochemistry: *860:044* and 860:048, or *860:070* 5-8 hours
 Electives in chemistry and biochemistry beyond 860:048 or *860:070* 12 hours
 17-20 hours

Chemistry Minor-Teaching

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

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: *860:044* and 860:048, or *860:070*; 860:063*;
 860:132; 860:142 16-19 hours
 Science and Science Education: 820:190; 820:193; 820:196 8 hours
 24-27 hours

*Students seeking greater familiarity with organic chemistry may substitute 860:120 and 860:123.

Master of Arts Degree Program

Major in Chemistry

This major is available as a **non-thesis** plan for students interested in careers in secondary and community college education. The Chemistry and Biochemistry Department offers students a friendly environment featuring regular interaction with their faculty mentors. All students interested in the program must submit a complete application and transcripts of all undergraduate and graduate credits to the Office of Admissions (international students send these to the “attention of International Admissions”). In addition, three letters of recommendation and a statement of scientific interests and career goals must be sent to the Chemistry and Biochemistry Department (U.S. students) or to the Office of Admissions/International Admissions (international students). Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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

A **minimum of 30 semester credit hours** is required for this degree. A **minimum of 15 semester hours of 200/6000-level course work is required**. Specialization is available in the areas of analytical chemistry, biochemistry, chemical education, inorganic chemistry, organic chemistry, and physical chemistry; students generally select a faculty mentor during their first semester of study. Students must submit a research paper.

Successful completion of a final written comprehensive examination is required.

Required:

Science: 820:200	2 hours
Chemistry and Biochemistry: 860:292	3 hours
Chemistry and Biochemistry: 860:299	3 hours
Electives (including at least 7 additional hours of 200/6000-level course work in chemistry)	<u>22</u> hours
	30 hours

Master of Science Degree Program

Major in Chemistry

This major is available on the **thesis** option for students seeking an extensive research experience in a friendly environment featuring regular interaction with their faculty mentors. Graduates of the program are well prepared for technical positions in industrial or government laboratories or for continued study in doctoral programs in chemistry. All students interested in the program must submit a complete application and transcripts of all undergraduate and graduate credits to the Office of Admissions (international students send these to the “attention of International Admissions”). In addition, three letters of recommendation and a statement of scientific interests and career goals must be sent to the Chemistry and Biochemistry Department (U.S. students) or to the Office of Admissions/International Admissions (international students). Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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

A **minimum of 30 semester hours**, including 9 hours of thesis research 860:299, is required for this degree. A **minimum of 20 hours of 200/6000-level course work is required**. Research specialization is available in the areas of analytical chemistry, biochemistry, chemical education, inorganic chemistry, organic chemistry, and physical chemistry; students generally select faculty mentors during their first semester of study.

Students are required to pass an oral comprehensive examination in defense of their final thesis.

Required:

Chemistry and Biochemistry: 860:289 (1 hr.); 860:292 (1 hr.); 860:299 (9 hrs.)	11 hours
Electives (including at least 9 additional hours of 200/6000-level course work in chemistry and biochemistry)	<u>19</u> hours
	30 hours

Professional Science Master’s Degree Program

Major in Applied Chemistry and Biochemistry

This **non-thesis** degree, which prepares students for career opportunities in businesses utilizing chemical and/or biochemical processes and instrumentation, is open to students who have earned a bachelor’s degree in chemistry or biochemistry. It combines chemistry course work featuring advanced topics and hands-on use of modern instrumentation with business course work focused on problem-solving and decision-making and includes an internship. All students interested in the program must submit a complete application and transcripts of all undergraduate and graduate credits to the Office of Admissions (international students send these to the “attention of International Admissions”). In addition, three letters of recommendation and a statement of scientific interests and career goals must be sent to the Chemistry and Biochemistry Department

(U.S. students) or to the Office of Admissions/International Admissions (international students). Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

The Graduate Record Examination (General Test) **is not** required for admission to the program. A TOEFL score of 600 is required for international students who are non-native English speakers.

A minimum of 30 semester hours is required. A minimum of 18 hours of 200/6000-level course work is required.

Required:

Chemistry and Biochemistry: 860:211 plus one of the following: 860:210,
860:220, 860:240 (3 hrs.), 860:241, 860:242, or 860:254 6 hours

Professional Science: 15 hours

Science and Science Education: 820:209; 820:215;
820:289 (2 hrs.); 820:295 (4 hrs.); plus one of the

following:

Mathematics: 800:123; 800:250.

Electives from the following 9 hours

Industrial Technology: 330:258.

Mathematics: 800:121.

Biology: 840:129, 840:280.

Chemistry and Biochemistry/Physics: 860:137, 860:143, 860:144/880:144,
860:145, 860:148/880:148, 860:149, 860:154, 860:155, 860:156,
860:161.

30 hours

Other courses with the permission of the P.S.M. Steering Committee.

Notes:

1. Electives may include 200/6000-level chemistry and biochemistry courses beyond the required minimum 6 credit hours.
2. Any student who has not previously taken a biochemistry course must take 860:154 as an elective.

Department of Communication Sciences and Disorders

(College of Humanities and Fine Arts*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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

Required:

Communicative Disorders: 51C:006; 51C:106; 51C:107;
 51C:111; 51C:114; 51C:125; 51C:127; 51C:151; 51C:152; 51C:155;
 51C:162; 51C:164; 51C:175; 51C:177; 51C:180 37 hours
 Statistical Measurement: a 3-hour course in statistics
 selected with approval of the major academic advisor - either
 250:180 or 800:072 3 hours

Additional requirements:

Students must select a minimum of 8 credit hours from Option 1
 or Option 2 8 hours

Option 1. Pre-professional speech-language pathology:

Communicative Disorders: 51C:129, 51C:155,
 51C:166, 51C:168.

Option 2. Pre-professional audiology:

Psychology: 400:154, 400:155, 400:173.
 Health Promotion and Education: 410:125.
 Social Work: 450:143.

Communicative Disorders: 51C:155, 51C:160,
 51C:166, 51C:168, 51C:197.

48 hours

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 51C:151 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 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 any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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

This major is available on the **thesis** and **non-thesis** options. A **minimum of 40 semester hours** is required for the **thesis** option, and a **minimum of 39 semester hours** is required for the **non-thesis** option. A minimum of 6 hours of 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 (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 each of the three required credits of 51S:250 Clinical Assessment and each of the four required credits of 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 51S:250 or 51S:255.

Communicative Disorders: 51C:106*; 51C:107*; 51C:111*;
51C:114*; 51C:125*; 51C:127*; 51C:129*; 51C:151*; 51C:152*;
51C:155*; 51C:162*; 51C:166*; 51C:168*; 51C:175*; 51C:177*;
51C:180*.

Required:

Communicative Disorders: 51C:200; 51C:282	3 hours
Speech-Language Pathology core: 51S:222; 51S:226; 51S:228; 51S:229; 51S:230; 51S:232; 51S:250 (3 hrs.); 51S:255 (4 hrs.)	22 hours
Research: 51C:299	1-6 hours
Thesis option (6 hrs.)	
Non-thesis option (1-3 hrs.)	
Internship: 51C:257 and/or 280:250	4-16 hours
Electives	5-9 hours
A minimum of 2 hours of 51S:289 is required and other courses as approved by the graduate advisor.	
Thesis option (5 hrs.)	
Non-thesis option (9 hrs.)	

39-52 hours

Department of Communication Studies

(College of Humanities and Fine Arts*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

www.uni.edu/comstudy

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
 Political Communication (also listed in Department of Political Science)

Minors

Business Communication (also listed in Department of Management)
 Communication Studies (Liberal Arts)
 Communication-Theatre-Teaching (also listed in Department of Theatre)
 Communication/Journalism (Liberal Arts)
 Communication/Public Relations

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, Political Communication Major, Communication Liberal Arts Minor, Business Communication Minor, Communication/Journalism Minor, and Communication/Public Relations 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 *48C:001* (Oral Communication) and *620:005* or *620:015* or *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 *48C:001* Oral Communication and *620:005* or *620:015* or *620:034*).
 - b. 2.50 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 and Electronic Media 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 *48C:001* (Oral Communication) and *620:005* or *620:015* or *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:

- A. Public Relations: *48J:002*, *48P:005*.
- B. Electronic Media: *48J:002*, *48E:003*.
- C. Journalism: *48J:002*.
- D. Communication-Liberal Arts: *48C:001* and *620:005* or equivalent.
- E. Political Communication: none.

Minors

Admission to any Communication Minor (Liberal Arts, Business Communication, or Public Relations) or Journalism Minor requires a 2.70 cumulative GPA in at least 24 hours of course work (to include *48C:001* Oral Communication and *620:005* or *620:015* or *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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Communication: <i>48C:001</i> ; 48C:002; 48C:004** or 48C:031**; 48C:011** or 48C:071** or 48C:074**; 48C:025; 48C:080; 48C:124; 48C:135* or 48C:180 or 48C:183 or 48C:189; 48C:155	25 hours
Journalism: 48J:002	3 hours
Electives: 9 hours from the following Theories and Concepts courses	9 hours
48C:108, 48C:110, 48C:113, 48C:119*, 48C:120, 48C:121, 48C:122, 48C:123, <i>48C:128/CAP:128</i> , 48C:131, 48C:132, 48C:134*, 48C:136*, 48C:138, 48C:142*, 48C:144*, 48C:146, 48C:148*, 48C:151, 48C:153, 48C:160, 48C:166, 48C:176, 48C:178.	
Electives: 9 hours from departmental classes (at least one from 100/3000/4000-level)	9 hours
	46 hours

*These courses have additional prerequisites as follows:

48C:135 has prerequisite of 48C:132.

48C:119 has prerequisites of 48C:011; 48C:108 or 48C:110.

48C:134 has prerequisites of 150:153 or 48C:132.

48C:136, 48C:142, 48C:144, and 48C:148 have prerequisite of 48C:004.

**LAC Category 1B may be satisfied by two courses distributed as follows:

48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

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

The teaching major in communication and theatre is offered jointly by the Departments of Communication Studies and Theatre.

Required:

Communication: 48C:001; 48C:004**; 48C:011**; 48C:015; 48C:024; 48C:031**; 48C:071**; 48C:074**; 48C:141; 48C:187	30 hours
Theatre: 490:015; 490:024; 490:138 (these three courses may be taken in any sequence; all are prerequisites for 490:161); 490:109; 490:161	15 hours
Applied Activity Option: one hour from: 48C:091/48C:191 or 48C:093/48C:193 or 490:050	1 hour
Electives: (3 hours from the following)	3 hours
Communication: 48C:108 or 48C:110, 48C:122, 48C:124, 48C:144, 48C:176, 48C:178. Theatre: 490:040, 490:135, 490:136; other courses are available (consult with your advisor).	
	— 49 hours

**LAC Category 1B may be satisfied by two courses distributed as follows:
48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

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

Required:

Communication: 48C:080; 48C:124	6 hours
Electronic Media: 48E:003; 3 hours from 48E:011 or 48E:013 or 48E:112; 48E:021; 48E:071; 48E:121; 48E:132; 48E:141; 3 hours from 48E:179 or 48E:197; 48E:195	27 hours
Journalism: 48J:002	3 hours
Electives from the following	18 hours
Marketing: 130:101*; 130:106*; 130:150*. Management: 150:153. Communication: 48C:004**, 48C:011**, 48C:108 or 48C:110, 48C:113, 48C:121, 48C:122, 48C:132, 48C:134*, 48C:144*, 48C:146, 48C:166, 48C:173, 48C:176, 48C:178, 48C:180 or 48C:183 or 48C:189. Electronic Media: 48E:113*, 48E:117*, 48E:123, 48E:131, 48E:134, 48E:136, 48E:139, 48E:161, 48E:166. Journalism: 48J:007.	
	— 54 hours

*These courses have additional prerequisites as follows:

130:101, 130:106, and 130:150 require either 920:024 or 920:053 as a prerequisite. 920:024 may be used to satisfy Category 5B of the Liberal Arts Core.

48C:134 has prerequisites of 150:153 or 48C:132.

48C:144 has prerequisite of 48C:004.

48E:113 has prerequisite of 48E:013.

48E:117 has prerequisite of 48E:011 or 48E:013.

**LAC Category 1B may be satisfied by two courses distributed as follows:
48C:011 or 48C:071 or 48C:074; AND 48C:004 or 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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: 120:030	3 hours
Marketing: 130:101*; 130:106*	6 hours
Management: 150:153	3 hours
Journalism: 48J:002; 48J:007; 48J:071; 48J:132; 48J:172	15 hours
Communication: 48C:004** or 48C:173; 48C:080; 48C:124; 48C:132 12 hours	
Public Relations: 48P:005; 48P:170 or 48P:184; 48P:173; 48P:182; 48P:188; 48P:179/48P:197 (3 hrs.)	<u>18</u> hours
	57 hours

*130:101 and 130:106 have 920:024 or 920:053 as a prerequisite. 920:024 will satisfy Category 5B of the Liberal Arts Core.

**LAC Category 1B may be satisfied by two courses distributed as follows:
48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

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

Required core:

Communication: 48C:080*; 48C:160	6 hours
Journalism: 48J:002	3 hours
Political Science: 942:014; 943:024	6 hours
History: 961:116	3 hours
Geography: 970:114	3 hours
Internship	4 hours
Communication: 48C:197 or Political Science: 940:181*.	
Senior Seminar in Communications or Political Science: 48C:155 or 940:184	3 hours
Emphases (select two areas of focus with 6 hours from each area)	<u>12</u> hours 40 hours

Focus Area 1: State and Local Public Affairs (6 hours)

Political Science: 942:048, 942:131, 942:132.

Focus Area 2: Political Campaigns and Elections (6 hours)

Political Science: 942:112, 942:134, 942:150, 942:151.

Focus Area 3: International Affairs (6 hours)

Political Science: 943:119, 943:143, 943:145.
Geography: 970:116.

Focus Area 4: International Communication (6 hours)

Communication: 48C:151.
Journalism: 48J:151.
Public Relations: 48P:170.

Focus Area 5: Decision-Making (6 hours)

Communication: 48C:128/CAP:128, 48C:148*, 48C:178.

Focus Area 6: Political Discourse (6 hours)

Communication: 48C:113, 48C:123.
Sociology: 980:138*.

Focus Area 7: Media Analysis (6 hours)

Electronic Media: 48E:021, 48E:131*, 48E:139*, 48E:141*, 48E:161.

*Choice of courses and subsequent prerequisites may increase the length of this program. These courses have additional prerequisites as follows:

48C:080 has prerequisite of 48C:001. 48C:001 satisfies Category 1B of the Liberal Arts Core.

940:181 has prerequisites of 940:010; 15 hours of political science; Political Science, Political Communication, or Public Administration major.

48C:148 has prerequisite of 48C:004.

980:138 has prerequisite of 980:001 or 990:011, either of which will satisfy Category 5A of the Liberal Arts Core.

48E:131, 48E:139, and 48E:141 have prerequisite of 48E:021.

Minors

See Enrollment Management Policy for Communication minors.

Business Communication Minor

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

The Business Communication minor is interdisciplinary in nature and offered jointly by the College of Humanities and Fine Arts* and the College of Business Administration. It is under the jurisdiction of the Department of Management and the Department of Communication Studies. The minor requires a 15-hour core plus 6 hours from one of three emphases.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Required core:

Communication: 48C:071***; 48C:132	6 hours
Journalism: 48J:007	3 hours
Management: 150:080	
OR	
English Language and Literature: 620:077	3 hours
English Language and Literature: 620:102 or 620:104 or 620:105	3 hours
Required: 6 hours from one of three emphases below	<u>6</u> hours
	21 hours

Emphases-

Business:

Management: 150:113; 150:114.

OR

Communication:

Two of the following:

Communication: 48C:025, 48C:031***, 48C:141, 48C:148**.

OR

Journalism and Public Relations:

Two of the following:

Journalism: 48J:071**, 48J:172**, 48J:176**.

Public Relations: 48P:173**, 48P:184.

******These courses have additional prerequisites as follows:

- 48C:148 has prerequisite of 48C:004.
- 48J:071 has prerequisite of 48J:002 and 48J:007.
- 48J:172 has prerequisite of 48J:071.
- 48J:176 has prerequisite of 48J:071 or 620:015 or consent of instructor.
- 48P:173 has prerequisite of 48J:007.

*******LAC Category 1B may be satisfied by two courses distributed as follows:

48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

Note: When declaring this minor students must:

- a) have a 2.70 cumulative GPA.
- b) have satisfactorily completed Categories 1A and 1B of the Liberal Arts Core.

Communication Studies Minor (Liberal Arts)

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

Required:

Communication: <i>48C:001</i> ; 48C:002; 48C:004** or 48C:031**; 48C:011** or 48C:071** or 48C:074**; 48C:025; 48C:080; 48C:122 or 48C:123 or 48C:124 or 48C:131 or 48C:144* or 48C:178	19 hours
Electives in 48C:xxx courses	<u>6</u> hours
	25 hours

*48C:144 has prerequisite of 48C:004.

******LAC Category 1B may be satisfied by two courses distributed as follows:

48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

Communication - Theatre Minor - Teaching

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

The Communication-Theatre-Teaching minor is offered jointly by the Departments of Communication Studies and Theatre.

Required:

Communication: <i>48C:001</i> ; 48C:004**; 48C:011**; 48C:024; 48C:074**; 48C:187	18 hours
Option A or B (below)	<u>10-12</u> hours
	28-30 hours

Option A: Communication (10 hours)

- Communication: one hour from 48C:091/
48C:191 or 48C:093/48C:193; 48C:015; 48C:071**.
- Theatre: 490:101 or 490:106/CAP:106.

Option B: Theatre (12 hours)

- Theatre: 490:015; 490:024; 490:138; (these three classes must be taken before 490:161); 490:161.

**LAC Category 1B may be satisfied by two courses distributed as follows:
48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

Communication/Journalism Minor (Liberal Arts)

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

Required:

Journalism: 48J:002; 48J:007; 48J:071; 48J:132; 48J:171; 48J:172 18 hours

Electives: 6 hours

Journalism: 48J:121, 48J:151, 48J:174, 48J:176, 48J:178, 48J:197.

—
24 hours

Communication/Public Relations Minor

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

Required:

Communication: 48C:124; 48C:132 6 hours

Journalism: 48J:007 3 hours

Public Relations: 48P:005; 48P:173; 48P:182 9 hours

Electives 3 hours

Communication: 48C:080, 48C:173.

Public Relations: 48P:170, 48P:184, 48P:188.

—
21 hours

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/comstudy/graduate.

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

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 **32 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**.

Successful completion of a final **written** comprehensive examination is required for **both the thesis and non-thesis options**.

Of the 30-32 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.

Successful completion of comprehensive examinations after completion of 22 hours of course work.

Successful completion of a research paper or thesis.

Communication Education Emphasis

Non-thesis Option:

Required core:

48C:122; 48C:201; 48C:224; 48C:236; 48C:282 15 hours

Electives (from list for emphasis area below) 17 hours
32 hours

Thesis Option:

Required core:

48C:201; 48C:224; 48C:236; 48C:282; 48C:299 (6 hrs.) 18 hours

Electives (from list for emphasis area below) 12 hours
30 hours

Communication Education emphasis elective list (17 hours of electives for non-thesis; 12 hours of electives for thesis):

170:256, 48C:120, 48C:121, 48C:122, 48C:123, 48C:131, 48C:134, 48C:136, 48C:141, 48C:142, 48C:144, 48C:148, 48C:151, 48C:153, 48C:212, 48C:222, 48C:232, 48C:244, 48C:251.

General Communication Emphasis

Non-thesis Option:

Required core:

48C:201; 48C/E/P:224; 48C:236; one of the following 3-hr. 200/6000-level

seminars - 48C:212 or 48C:222 or 48C:232 or 48C:282 or 48E:222 or

48P:282 12 hours

Electives (from list for emphasis area below) 20 hours
32 hours

Thesis Option:

Required core:

48C:201; 48C/E/P:224; 48C:236; one of the following 3-hr. 200/6000-level

seminars - 48C:212 or 48C:222 or 48C:232 or 48C:282 or 48E:222 or

48P:282; 48C/P:299 (6 hrs.) 18 hours

Electives (from list for emphasis area below) 12 hours
30 hours

General Communication emphasis elective list (20 hours of electives for non-thesis; 12 hours of electives for thesis):

48C:212, 48C:222, 48C:232, 48C:236 (an additional section/s of this besides what is required), 48C:244, 48C:251, 48C:282, 48E:222, 48E:224, 48P:282, other 200/6000-level or 100g/5000-level, approved in consultation with an advisor and submitted through a MyUNiverse student request.

Mass Communication Emphasis

Non-thesis Option:

Required core:

48C:201; 48E/P:224; 48C:236; 48E/P:222 12 hours

Electives (from list for emphasis area below) 20 hours
32 hours

Thesis Option:

Required core:

48C:201; 48E/P:224; 48C:236; 48E/P:222; 48C/E/P:299 (6 hrs.) 18 hours

Electives (from list for emphasis area below) 12 hours
30 hours

Mass Communication emphasis elective list (20 hours of electives for non-thesis; 12 hours of electives for thesis):

48C:222, 48C:251, 48E:121, 48E:123, 48E:131, 48E:132, 48E:134, 48E:139, 48E:141, 48E:161, 48E:166, 48E:222 [first course/topic counts toward core requirement; additional course(s)/topic(s) count as electives], 48E:285, 48E:286, 48E:292, 48J:121, 48J:132, 48J:151, 48J:171, 48J:176, 48J:178, 48P:170, 48P:182, 48P:184, 48P:188, 48P:282.

Organizational Communication Emphasis

Non-thesis Option:

Required core:

48C:201; 48C/E/P:224; 48C:232 (6 hrs.); 48C:236; 48C:282 18 hours

Departmental electives, with no more than 6 hours taken outside the department (from list for emphasis area below) 14 hours
32 hours

Thesis Option:

Required core:

48C:201; 48C/E/P:224; 48C:232 (6 hrs.); 48C:236; 48C:282;
48C:299 (6 hrs.) 24 hours

Electives, with no more than 3 hours taken outside the department (from list for emphasis area below) 6 hours
30 hours

Organizational Communication emphasis elective list (14 hours of electives for non-thesis; 6 hours of electives for thesis):

48C:134, 48C:135, 48C:138, 48C:148, 48C:151, 48C:153, 48C:212, 48C:222, 48C:232 [first and second courses/topics count toward core requirement; additional course(s)/topic(s) count as electives], 48C:251, 48C:282, 48E:222, 48P:282. 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:

48C:201; 48C:212; 48C/E/P:224; 48C:236 12 hours

Electives, with no more than 9 hours taken outside the department (from list
for emphasis area below) 20 hours
32 hours

Thesis Option:

Required core:

48C:201; 48C:212; 48C/E/P:224; 48C:236; 48C:299 (6 hrs.) 18 hours

Electives, with no more than 6 hours taken outside the department (from list
for emphasis area below) 12 hours
30 hours

Performance Studies emphasis elective list (20 hours of electives for non-thesis, with no more than 9 hours outside the department; 12 hours of electives for thesis, with no more than 6 hours outside the department):

48C:108, 48C:110, 48C:113, 48C:117, 48C:119, 48C:120, 48C:122, 48C:151, 48C:153, 48C:155, 48C:222,
48C:244, 48C:251, 48E:121, 48E:123, 48E:131, 48E:141, 48E:161, 48E:222, 490:127, 490:155, 490:168,
600:163, 620:108, 620:109, 620:174, 620:175.

Public Relations Emphasis

Non-thesis Option:

Required core:

48C:201; 48C/E/P:224; 48C:236; 48P:184; 48P:282 15 hours

Electives: (from list for emphasis area below) 17 hours
32 hours

Thesis Option:

Required core:

48C:201; 48C/E/P:224; 48C:236; 48P:184; 48P:282; 48P:299 (6 hrs.) 21 hours

Electives: (from list for emphasis area below) 9 hours
30 hours

Public Relations emphasis elective list (17 hours of electives for non-thesis; 9 hours of electives for thesis):

48C:212, 48C:222, 48C:232, 48C:244, 48C:251, 48C:282, 48E:222, 48J:121, 48J:132, 48J:151, 48J:171,
48J:176, 48J:178, 48P:170, 48P:182, 48P:188, 48P:222 [first course/topic can count toward core
requirement; additional course(s)/topic(s) count as electives], 48P/E/C:166, 48P/E/C:285, 48P/E/C:286,
48P/E/C:292.

Department of Computer Science

(College of Natural Sciences*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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.)

Bioinformatics
 Computer Science
 Networking and System Administration

Undergraduate Major (B.A.)

Computer Science

Minors

Bioinformatics
 Computer Science

Graduate Major (M.S.)

Computer Science

Program Certificates

Certificate in Computer Applications
 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 except Bioinformatics 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

Bioinformatics Major

The B.S. Bioinformatics 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Mathematics: 800:060; 800:064	7 hours
Computer Science: 810:051; 810:080; 810:165; 810:166	13 hours
Biology: 840:052; 840:127; 840:140	11 hours
Chemistry and Biochemistry: 860:070 or both 860:044 and 860:048; 860:063 or 860:120	8-12 hours
Research: 1 hour related to Bioinformatics in either 800:194, 810:180, 840:190, or 860:180	1 hour

Electives: (18 hours split between two emphases with at least 6 hours taken from each emphasis)	18 hours
Mathematics emphasis: 800:061, 800:152, 800:154.	
Computer Science emphasis: 810:052, 810:114, 810:115, 810:143*, 810:172.	
Biology emphasis: 840:100, 840:119, 840:121, 840:128, 840:129, 840:144, 840:152, 840:153.	
Chemistry emphasis: 860:122, 860:154, 860:155, 860:156.	

_____ hours
58-62 hours

*810:143 has additional prerequisite of 810:041.

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

Required:

Computer Science: 810:041; 810:051; 810:052; 810:053; 810:080 17 hours

Research: 810:180 (topic pre-approved by department) 1 hour

Electives:

Mathematics: (4 courses from the following) 13 hours

800:060[^]#, 800:061#, 800:072, 800:076, 800:143,
800:152, 800:176.

Computer Science: 24 hours

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 projects course (marked with an asterisk*).

Foundations: 810:153, 810:154, 810:155*, 810:161#, 810:162*,
810:181, 810:188.

Information Science: 810:112*, 810:114, 810:115.

Software Engineering: 810:172, 810:173*, 810:174*#, 810:175*.

Systems: 810:140*, 810:141*, 810:142, 810:143, 810:147.

Electives: two additional courses selected from some of the computer science area courses and 100/3000-level courses meeting the

mathematics requirement 6 hours
61 hours

[^]800:060 has prerequisite of 800:046, or 800:043 and 800:044, or equivalent.

*One course marked with an asterisk must be completed.

#800:060, 800:061, and 810:174 are 4-hour courses. 810:161 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Industrial Technology: 330:037; 330:039; 330:104; 330:156	12 hours
Mathematics: 800:060 [^]	4 hours
Computer Science: 810:041; 810:051; 810:052; 810:080; 810:140; 810:141; 810:147; 810:180 (1 hr.)	24 hours
Physics: 880:054; 880:056	8 hours
Electives: from one of these areas	9 hours
Industrial Technology: 330:041, 330:103, 330:152.	
Computer Science: 810:143, 6 additional hours of computer science (100-level/courses numbered 2420 or above), excluding 810:134 and 810:151.	
	57 hours

[^]800:060 has prerequisite of 800:046, or 800:043 and 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Computer Science: 810:041; 810:051; 810:052; 810:053; 810:080	17 hours
Electives:	
Mathematics: (two courses from the following) 800:060 [^] #, 800:061#, 800:072, 800:076, 800:143, 800:152, 800:176.	6 hours
Select one of the following core areas as a specialty	18 hours
Six courses* including three courses from selected specialty and one from each of the other three areas.	
Foundations: 810:153, 810:154, 810:155*, 810:161#, 810:162*, 810:181, 810:188.	
Information Science: 810:112*, 810:114, 810:115.	
Software Engineering: 810:172, 810:173*, 810:174*#, 810:175*.	
Systems: 810:140*, 810:141*, 810:142, 810:143, 810:147.	
Electives: one additional course selected from the above computer science courses and 100/3000-level mathematics courses	3 hours
	44 hours

^800:060 has prerequisite of 800:046, or 800:043 and 800:044, or equivalent.

*A project course (marked with asterisk) must be taken as one of three in an area of specialization.

#800:060, 800:061, and 810:174 are 4-hour courses. 810:161 is a 4-hour course if taken with lab.

Minors

Bioinformatics Minor

The Bioinformatics minor is a multidisciplinary program designed to provide basic proficiency in computational biology and bioinformatics. Liberal Arts Core courses included in minor program requirements are distinguished by *italics*.

Required:

Computer Science: 810:036 or 810:051 or equivalent; 810:080; 810:165;

810:166 12-13 hours

Electives 9 hours

Mathematics: *800:064, 800:072, 800:152, 800:154, 800:174.*

Biology: *840:052, 840:119, 840:127, 840:140, 840:153.*

Chemistry and Biochemistry: *860:044, 860:048, 860:063, 860:070,*
860:120.

21-22 hours

Computer Science Minor

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

Required:

Computer Science: 810:041; 810:051; 810:052; 810:053; 810:080 17 hours

Electives: any course 810:1xx/courses numbered 2420 or above

(excluding 810:151) 9 hours

26 hours

Master of Science Degree Program

Major in Computer Science

This M.S. program is designed to foster preparation for applied professional careers in the computing sciences. The program emphasizes concentration in a professional sub-discipline, while at the same time providing enough breadth and theory to enable the graduate to adapt to developments in the discipline as a whole. Areas of concentration currently available include agent assisted interfaces, artificial intelligence, bioinformatics, collaborative information systems, computer science education, computer systems, distributed computing, electronic commerce, human-computer interfaces, information storage and retrieval, network administration, parallel environments and algorithms, real-time systems, recommender systems, and software engineering.

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

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

Bachelor's-level experience in computer science is suggested for program admission, but students from related disciplines who show outstanding promise are also encouraged to apply. Students without a bachelor's degree in computer science may be required to complete up to 14 hours of course work in the discipline before gaining full admission to the program.

This major is available on a **thesis** and **non-thesis** option. A **minimum of 33 semester hours** is required for completion of the M.S. program. Students who select the thesis option will be required to complete at least 6 hours of 810:299 thesis research. Students who select the non-thesis option must complete a 6-hour software development project. **A minimum of 18 hours of 200/6000-level (or above) course work is required for both options.** For **both the thesis and non-thesis options**, students must pass an oral defense of their final project.

Students in this program are exempt from general limitations on the number of hours of research credit. M.S. Computer Science programs of study may include 6 hours or more of 810:299 research credit. However, the number of hours greater than 6 hours must be in addition to the minimum 33 hours required for the degree.

Courses in the student's areas of concentration provide in-depth knowledge of a professional sub-discipline. These 15 hours consist of 9 hours within computer science (excluding both computer science education and research project credits) and 6 cognate hours from outside computer science. These hours must be approved by the Graduate Committee. However, students who have a bachelor's degree in an area outside of Computer Science may take all 15 hours of their concentration-area hours within Computer Science.

Required:

Computer Science: 810:240; 810:270; 810:280 9 hours

Concentration area: 15 hours

Research/Project:

Thesis: 810:299 (6 hrs.)

Non-Thesis: 810:299 (3 hrs.) and 810:286 (3 hrs. *Studies in
Computer Science* project)

Electives 9 hours
33 hours

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:

Computer Science: 810:021; 810:022; 810:023 9 hours

Electives 3 hours

Computer Science: 810:030, 810:088.

Other courses pre-approved by the Computer Science Department.
12 hours

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: 810:024; 810:030; 810:071; 810:080; 810:175 15 hours
15 hours

Department of Curriculum and Instruction

(College of Education)

www.uni.edu/coe/ci

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)

Endorsement Minors/Concentrations:

Basic Science (K-8)-Teaching (also listed in Science and Science Education)

Health Education (K-8)-Teaching (also listed in School of Health, Promotion, and Leisure Services)

Mathematics (K-8)-Teaching (also listed in Department of Mathematics)

Modern Languages (K-8)-Teaching (also listed in Department of Modern Languages*)

Physical Education (K-8)-Teaching (also listed in School of Health, Promotion, and Leisure Services)

Social Studies (K-8)-Teaching

Special Education-Teaching (also listed in Department of Special Education)

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: Education of the Gifted

Curriculum and Instruction: Elementary Education

Curriculum and Instruction: Literacy Education

Middle Level Education: Content Specialization

Graduate Major (Ed.D.)

Doctor of Education: Curriculum and Instruction intensive study area

Program Certificate

Instructional Technology Facilitator Certificate

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

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: 220:150	2 hours
Instructional Technology: 240:031	3 hours
Human Relations: 280:170	3 hours
(Before enrolling in 280:170, the student must be fully admitted to the Teacher Education Program.)	

Level I

Educational Psychology: 200:017; 200:030	4 hours
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Level II

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

Educational Psychology: 200:128; 200:148	4 hours
Measurement and Research: 250:150	2 hours

Level III

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

Social Foundations: 260:119	3 hours
Teaching: 280:132	<u>12</u> hours
	33 hours

II. Early Childhood Education Major Requirements

Required:

Educational Psychology: 200:109	3 hours
Elementary, Early Childhood, and Middle Level Education:	
210:121; 210:130; 210:149; 210:151; 210:161;	
210:164; 210:192 (2 hrs.)	20 hours
Literacy Education: 230:044; 230:115	6 hours
Design, Textiles, Gerontology, & Family Studies: 310:031	2 hours
Mathematics: 800:031; 800:131; 800:134	<u>9</u> hours
	40 hours

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:	
210:120; 210:152	6 hours
Literacy Education: 230:116	3 hours
Health Promotion and Education: 410:135 or	
Physical Education: 420:045 or	
Health, Physical Education and Leisure	
Services-Interdepartmental: 440:045	2-3 hours
Elementary, Early Childhood, and Middle Level Education:	
210:123 or	
Music: 520:102 or	
Art: 600:090	<u>2-3 hours</u>
	13-15 hours

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: 210:121; 210:130; 210:149; 210:151; 210:161; 210:164; 230:115; 800:134. Students should apply for their student teaching one year in advance.

Elementary Education Major-Teaching (K-6 General Classroom Teacher)
(Extended Program)

The student will complete the Liberal Arts Core requirements, the Professional Education Requirements, the major requirements, a 24-hour area of concentration or an endorsement minor, and electives to complete a minimum of 125-144 hours (depending on minor chosen). The prescribed program is as follows:

I. Professional Education Requirements-Elementary Education

Required:

Special Education: 220:150	2 hours
Instructional Technology: 240:031*	3 hours
Human Relations: 280:170	3 hours
(Before enrolling in 280:170, the student must be fully admitted to the Teacher Education Program.)	

Level I

Educational Psychology: 200:017; 200:030	4 hours
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Level II

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

Educational Psychology: 200:128; 200:148	4 hours
Measurement and Research: 250:150	2 hours

Level III

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

Social Foundations: 260:119	3 hours
Teaching: 280:134 Elementary Teaching	<u>12</u> hours
	33 hours

II. Elementary Education Major Requirements

Required:

Elementary, Early Childhood, and Middle Level Education: 210:120 or 210:122; 210:150 or 210:152; 210:161; 210:164	12 hours
Elementary, Early Childhood, and Middle Level Education: 210:123 or Music: 520:102 or Art: 600:090	2-3 hours
Literacy Education: 230:044; 230:115; 230:116 (Middle Level/Elementary Education double majors may substitute 230:117 for 230:116)	9 hours
Health Promotion and Education: 410:135 or Physical Education: 420:045 or Health, Physical Education and Leisure Services- Interdepartmental: 440:045	2-3 hours
Mathematics: 800:031; 800:131; 800:134	<u>9</u> hours
	34-36 hours

*Students must select 240:031 in place of 240:020 in the Professional Education Requirements unless the computer requirement is addressed in a minor subject field or elective course.

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: 210:120 or
210:122; 210:161; 210:164.
Literacy Education: 230:116.
Mathematics: 800:134.

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 (210:150 or 210:152), 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: 210:120 or 210:122; 210:161; 210:164; 230:115; 230:116; 800:134. Students should apply for their student teaching one year in advance.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

Physical Education Minor (K-8)-Teaching

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

Required 26 hours
 (The K-8 Physical Education Minor is under the jurisdiction of the School of Health, Physical Education and Leisure Services and requirements are listed within the School of Health, Physical Education and Leisure Services.)

Social Studies Minor (K-8)-Teaching

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

Required:
 Elementary, Early Childhood, and Middle Level Education: 210:143 3 hours
 Completion of 21 hours in social studies to include course work from at least 3 of the following areas: 21 hours
 Psychology: 400:xxx.
 Economics: 920:xxx.
 American Government: 942:xxx.
 History: 960:xxx; 961:xxx; 962:xxx; 963:xxx; 964:xxx.
 Geography: 970:xxx.
 Sociology: 980:xxx; 982:xxx.
 In addition to the course work in three areas above, courses may be taken from:
 Social Science: 900:xxx.
 Anthropology: 990:xxx.

 24 hours

Special Education Minor-Teaching

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

Required 24 hours
 (The Instructional Strategist I: Mild/Moderate K-8 emphasis is under the jurisdiction of the Department of Special Education, and requirements are listed within that department.)

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 middle school teacher for a minimum total of 125 hours.

The holder of this endorsement is authorized to teach in grades five through eight in the two 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: 200:152	3 hours
Middle Level Education: 210:122; 210:135; 210:150	9 hours
Literacy Education: 230:117	3 hours
Courses selected with approval of advisor	<u>15</u> hours
	30 hours

Students will complete a minimum of 12 hours of course work in two subject area concentrations. Subject area concentrations are limited to the following four areas and must include the specified course work.

Required:

Mathematics: to include algebra	12 hours
Science: to include life, earth, and physical	12 hours
Social Studies: to include United States history, world history, government, and geography	12 hours
Language Arts: to include composition, language usage, speech, young adult literature, and literature across cultures	<u>13</u> hours
	24-25 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, and 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: 210:122; 210:135; 230:117, and other methods courses required by their second major. Students should apply for their student teaching one year in advance.

The program should be planned so the following courses are completed after Level II of the Professional Education Requirements and prior to student teaching: 210:122; 210:135; 210:150; and all methods courses. The student teaching semester will include two experiences, one in either an elementary or secondary classroom and the other in a junior high or middle school classroom. Students enroll for 280:137 and 280:134 or 280:138 for a total of 12 hours.

Minors

Educational Technology Minor

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

Required:

Instructional Technology: 240:020 or 240:031; 240:030; 240:131	8-9 hours
Electives (must be approved by program advisor): 240:138, 240:139, 240:140, 240:147, 240:150, 240:153, 240:160, 240:170, 240:186 (Studies in)	<u>9</u> hours
	17-18 hours

Literacy Education Minor -Teaching

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

Required:

Literacy Education: 230:140; 230:193 (1 hr.)	4 hours
Course work chosen for appropriate endorsement	<u>21</u> hours
	25 hours

Reading K-8 Endorsement (21 hours)

Literacy Education: 230:044; 230:115; 230:116 or
230:117; 230:119; 230:121; 230:147; 230:192.

Reading 5-12 Endorsement (21 hours)

Literacy Education: 230:117; 230:119 or 630:165; 230:147; 230:192.
English Language and Literature/Linguistics: 620:040 or 620:053; 620:165;
620:193, 630:125, or 630:130.

English/Language Arts K-8 Endorsement (21 hours)

Literacy Education: 230:044; 230:115; 230:116; 230:119; 230:121.
English Language and Literature/Linguistics: 620:040, 620:053 or 620:165.
Theatre: 490:101 or 210:123.

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 230:119 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 any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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

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 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: 210:201	3 hours
Literacy Education: 230:212	3 hours
Instructional Technology: 240:139; 240:232; 240:237; 240:240; 240:289	14 hours
Measurement and Research: 250:205	3 hours
Research: 240:299	2 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	
Electives: Choose Option 1 or 2 below	6-15 hours
Option 1 (6 hrs. - thesis) (10 hrs. - non-thesis)	
Option 2 (15 hrs.)	
	————— 35-44 hours

Option 1

Electives:

Educational Psychology: 200:214.

Instructional Technology: 240:131, 240:138, 240:140, 240:147, 240:150,
240:153, 240:170, 240:205, 240:210, 240:260, 240:285, 240:286, 240:297.

Option 2

Electives:

School Library Studies: 350:114, 350:132 or 350:134, 350:225, 350:250, 350:290.

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

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

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 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 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: 240:139; 240:235; 240:240; 240:245; 240:289	14 hours
Measurement and Research: 250:205	3 hours
Research: 240:299	2 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	

Electives:

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

Instructional Technology: 240:150, 240:153, 240:170, 240:205, 240:210, 240:230, 240:260, 240:285, 240:286, 240:297	12 hours
Other electives as advised (non-thesis option only)	4 hours
	35 hours

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

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

This major is available on the **thesis** and **non-thesis** options. A **minimum of 40 semester hours** is required for the **thesis** option, and a **minimum of 36 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 that meets the requirements of the division faculty, during their final semester of course work.

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:

Instructional Technology: 240:150 3 hours

School Library Studies: 350:114; 350:115; 350:132; 350:134;

350:223; 350:225; 350:230; 350:250; 350:290; 350:295 29-31 hours

Research: 350:299 1-3 or 6 hours

Thesis option (6 hrs.)

Non-thesis option (1-3 hrs.)

Electives: as approved by advisor to a program minimum

total of 36 or 40 hours 0-3 hours

Thesis option 40 hours

Non-thesis option 36 hours

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 any other admission requirements.

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

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

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 210:299 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: 200:214 or

Social Foundations: 260:234 3 hours

Measurement and Research: 250:205 3 hours

Required Curriculum and Instruction core:

Curriculum and Instruction: 210:201 3 hours

Literacy Education: 230:212 3 hours

Instructional Technology: 240:232 3 hours

15 hours

Curriculum and Instruction: Early Childhood Education

This program is designed to improve the student's 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 any other admission requirements.

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

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

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 210:299 on the program of study. Students completing the **non-thesis** option are required to complete (1) the department graduate research requirement and (2) a performance-based and/or standard-based measure demonstrating student competency upon completion of the program.

The program may be extended by students wishing to complete the State of Iowa licensure endorsement for Early Childhood Education.

Required professional core and Curriculum and Instruction core	15 hours
Specialty area:	
Curriculum and Instruction: 210:155; 210:214; 210:220; 210:221	12 hours
Curriculum and Instruction: 210:299	3 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (3 hrs.)	
	<u>30 or 33 hours</u>

Curriculum and Instruction: Education of the Gifted

This program is designed to improve the student's competence in teaching gifted and talented children and youth 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 any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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

The degree program in this specialty area focus requires a **minimum of 33 semester hours for non-thesis option or 36 semester hours for thesis option.**

Students completing the **thesis** option are required to pass an oral comprehensive examination prepared and administered by the thesis committee. This comprehensive examination will normally accompany the thesis defense. Students completing the thesis option must include 6 hours of 210:299 on the program of study. Students completing the **non-thesis** option are required to complete (1) the department graduate research requirement and (2) a performance-based and/or standard-based portfolio and oral comprehensive examination.

The program includes the State of Iowa licensure endorsement for Education of the Gifted.

Required professional core and Curriculum and Instruction core	15 hours
Specialty area:	
Curriculum and Instruction: 210:254; 210:255	6 hours
Curriculum and Instruction: 210:257; 210:297	6 hours
Curriculum and Instruction: 210:299	3 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (3 hr.)	
Counseling: 290:254	<u>3</u> hours
	33 or 36 hours

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

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

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 210:299 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	15 hours
Specialty Area:	
Curriculum and Instruction: 210:242; 210:243; 210:289	8 hours
Curriculum and Instruction: 210:299	1-3 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (1-3 hrs.)	
Approved electives _	<u>1-6</u> hours
	30 hours

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

In addition to the university requirements for admission to graduate study, admission to this program includes the following requirements: 1) two recommendations from professional educators, and 2) satisfactory completion of writing examination. Preference may be given to applications with academic background and/or professional experience in education.

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

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 230:299 on the program of study. Students completing the **non-thesis** option are required to complete (1) the department graduate research requirement and (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	15 hours
Specialty Area:	
Literacy Education: 230:238; 230:239; 230:240; 230:245	12 hours
Literacy Education: 230:299	3 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (3 hrs.)	
Approved electives	0 or 3 hours
Thesis option (0 hrs.)	
Non-thesis option (3 hrs.)	
	—
	33 hours

Major in Middle Level Education: Content Specialization

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

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

The degree program in Middle Level Education: Content Specialization requires a **minimum of 33 semester hours for non-thesis option or 36 semester hours for thesis option**.

The Middle Level Education: Content Specialization degree program focuses on the improvement of learning environments for children in middle school grades 5-8. The program has a common core of courses in two areas: (1) middle level education (development and characteristics of middle school aged children, programs and practices of high performing middle level schools, instructional and assessment strategies, and management strategies), and (2) one of the four content areas (mathematics, science, social studies or language arts). It is expected that the student will possess a content area specialization through their prior undergraduate or graduate course work which meets one of the categories of content area specialization (such as a 24-hour area of concentration, a minor, or a major with a subject area specialization in a teacher education program). Students entering this Master's program will select a second subject concentration area to pursue in the Master's degree program. (It is required that students have at least two areas of subject area concentration at the end of their program.)

The holder of the Iowa middle level education endorsement is authorized to teach in grades five through eight in the two 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. The diploma for the degree will indicate the concentration areas.

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 oral comprehensive examination will normally accompany the thesis defense. Students completing the thesis option must include 6 hours of 210:299 on the program of study. Students choosing the **non-thesis** option are required to complete the departmental research requirement. In lieu of a comprehensive examination, all students must complete a comprehensive portfolio that meets the requirements of the division faculty during their final semester of course work.

Required:

Instructional Technology: 240:232	3 hours
Measurement and Research: 250:205	3 hours
Research Curriculum and Instruction: 210:299	3 or 6 hours
Thesis option (6 hrs.) or	
Non-thesis option (3 hrs.)	

Required Middle Level Education core:

Educational Psychology: 200:152	3 hours
Curriculum and Instruction: 210:135; 210:270	6 hours
Literary Education: 230:212	3 hours

Required Content Area Core/Concentration (see below): 12 hours
33 or 36 hours

Required Content Area Core:

Students will complete a minimum of 12 hours of graduate level course work in one content area concentration. This content area concentration must be the student's second content area concentration.

Prior undergraduate or graduate work (in one of the other areas specified below) will qualify for completion of the first area of content area competence. Content area concentrations are limited to the following four areas and must include the specified course work.

Required Content Area Concentration (12 hours):

Mathematics: to include algebra (12 hours)

Science: to include life, earth, and physical (12 hours)

Social Studies: to include United States history, world history, government, and geography (12 hours)

Language Arts: to include composition, language usage, speech, young adult literature, and literature across cultures (12 hours)

Some or all of this course work may be completed as part of the Liberal Arts Core requirements for the undergraduate degree, but only graduate level course work will be accepted for course work toward the graduate degree.

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.**

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 six 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 six areas of intensive study provide for a specialized focus on practice. The six intensive study areas are: *Community Health Education, Curriculum and Instruction, Educational Leadership, Leisure, Youth and Human Services, Rehabilitation Studies, 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 six 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/default.aspx. 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/ci/doctoral.html.

I. Professional Common Core (15 hours)

Education Foundations 3 hours
 Interdepartmental Education: 190:301.

Research:

Interdepartmental Education: 190:303; 190:305; 190:307 9 hours
 Measurement and Research: One of the following -
 250:270, 250:300, 250:301, 250:310 3 hours

II. Advanced Professional Studies 38 hours

Requirements for the Curriculum and Intensive study area are:

Required courses in Curriculum and Instruction 12-17 hours
 Curriculum and Instruction: 210:352; 210:354 (6 hours)
 Curriculum and Instruction Seminar: 210:389 (2-4 hours)
 Curriculum and Instruction Practicum: 210:397 (1-4 hours)
 Instructional Technology: 240:340 or substitute 240:240 (3 hours)
 Electives 21-26 hours

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: 190:389	1 hour
Dissertation Research: 190:399	<u>6</u> hours
	60 hours

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: 240:131; 240:153; 240:170; 240:232; 240:237; 240:260	<u>18</u> hours
	18 hours

Department of Design, Textiles, Gerontology, & Family Studies*

(College of Social and Behavioral Sciences)

www.uni.edu/dtgfs

The Department of Design, Textiles, Gerontology, & Family Studies* offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Design, Textiles, Gerontology, & Family Studies* section in the following order:

Undergraduate Majors (B.A.)

- Family Services
- Interior Design
- Textile and Apparel
- Gerontology (also listed under Interdisciplinary section)

Minors

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

(*Effective August 2010, the Department of Design, Textiles, Gerontology, and Family Studies was renamed the School of Applied Human Sciences - effective August 2010, the counseling programs within the Department of Educational Leadership, Counseling, and Postsecondary Education moved to the School of Applied Human Sciences. In this University Catalog, the Major in Mental Health Counseling and Major in School Counseling are still listed within the Department of Educational Leadership, Counseling, and Postsecondary Education.)

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

Required:

Family Studies: <i>31F:010</i> ; 31F:020; 31F:030 or 3 hours social science research methods such as 400:101, 450:185, 48C:080, 48C:180, or 980:108; 31F:055* or another developmental course such as <i>200:030</i> or 400:120*; 31F:057; 31F:060; 31F:178	21 hours
Choose course(s) from each of the following groups:	
Group 1: Families in Context (choose 1)	3 hours
Family Studies: 31F:077, 31F:162, 31F:177. American Politics: 942:142.	
Group 2: Relationship Dynamics (choose 2)	6 hours
Family Studies: 31F:054, 31F:145, 31F:150, 31F:153, 31F:155.	
Group 3: Professional Applications (choose 2)	6 hours
Family Studies: 31F:157, 31F:160, 31F:190.	
Group 4: Diversity (choose 1)	3 hours
Psychology: 400:060, 400:167. Health Promotion and Education: 410:147, 410:167. Social Work: 450:045, 450:142, 450:163. Sociology: 980:045, 980:167.	
Senior Experience (choose Option A or B)	9 hours
Option A: 31F:195 Internship.	
Option B: 9 additional hours from Groups 1, 2, and/or 3.	
	48 hours

*These courses have additional prerequisites as follows:

31F:055 has a prerequisite of 400:001 or consent of instructor.

400:120 has a prerequisite of 400:001.

A minimum of 2.40 cumulative grade point average (GPA) and department approval is required for declaration of this major. Procedures for approval are available in the departmental office. Students must maintain at least a 2.40 GPA and have department approval in order to register for 31F:157, 31F:190, 31F:195, and to graduate. Students must achieve a minimum of C- in all courses required for the major.

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

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 Department of Design, Textiles, Gerontology, & Family Studies office 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 prospective (pre)major.

Required:

Design, Textiles, Gerontology, & Family Studies: 31I:061; 31I:063; 31I:064; 31I:066; 31I:067; 31I:068; 31I:075; 31I:125; 31I:126; 31I:127; 31I:128; 31I:129; 31I:164; 31I:184 (2 hrs.); 31I:195; 31T:013	52 hours
Marketing: 130:101	3 hours
Management: 150:080	3 hours
Economics: 920:024	3 hours
One of the following	3 hours
Accounting: 120:030.	
Marketing: 130:106, 130:150, 130:153, 130:166, 130:178.	
Management: 150:153.	
	— 64 hours

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

Required:

Design, Textiles, Gerontology, & Family Studies: 31T:011; 31T:012; 31T:013; 31T:014; 31T:020; 31T:100; 31T:114; 31T:115; 31T:116; 31T:119; 31T:122; 31T:123; 31T:124; 31T:185; 31T:195	45 hours
Design, Textiles, Gerontology, & Family Studies: 31T:015 or 31T:121 or 31T:184 (3 hrs.)	3 hours
Marketing: 130:101	3 hours
Economics: 920:024	3 hours
Two courses from the following	6 hours
Accounting: 120:030.	
Marketing: 130:106, 130:166, 130:191.	
Management: 150:153.	
	— 60 hours

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 *400:001*, *450:041*, and *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 Education, and the College of Humanities and Fine Arts[^]. It is administered through the Department of Design, Textiles, Gerontology, & Family Studies and under the supervision of the Gerontology Advisory Committee.

[^]Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Social Sciences Track

Required:

Research Methods 3-4 hours

Minimum of 3 hours of research methods from:

Design, Textiles, Gerontology, & Family Studies: 31F:030.

Leisure, Youth and Human Services: 430:169.

Psychology: 400:101.

Sociology: 980:108.

Gerontology core: 9 hours from the following 9 hours

*Design, Textiles, Gerontology, & Family Studies: 31F:150.

*Psychology: 400:173.

*Health Promotion and Education: 410:125.

*Sociology: 980:125.

In consultation with your advisor, choose a total of 21 credits from the following 4 groups, with at least 3 credits required from each group. 21 hours

Group I - Humanities and Aging (3-12 hours)

World Religions/Philosophy: *640:194* or *650:194* or *CAP:194*; 650:050 or 650:142.

History: 961:150.

Group II - Behavioral/Social Sciences and Aging (3-12 hours)

Gerontology, & Family Studies: 31F:055, 31F:150*.

Psychology: 400:120, 400:173*.

Sociology: 980:118, 980:125*.

Anthropology: 990:152.

Group III - Physical/Health Sciences and Aging (3-12 hours)

Gerontology, & Family Studies: 31F:057.

Health Promotion and Education: 410:125*.

World Religions/Philosophy: *640:173* or *650:173* or *CAP:173*.

Group IV - Related Social Sciences and Aging (3-12 hours)

Gerontology, & Family Studies: 31F:077, 31F:162.

Social Work: 450:173.

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

Internship	4 hours
Senior Seminar, Gerontology: 31G:193 (1 hr.)	
Design, Textiles, Gerontology: 31G:195, Section 1 (3 hrs.)	
OR	
Health Promotion and Education: 410:168 (3 hrs.)	
OR	
Sociology: 980:184 (3 hrs.)	
Total required in Social Sciences Track	<u>37 hours**</u>

**Due to prerequisites for courses in Group IV, the total number of credit hours required to complete this major may be 40.

Long Term Care Track

Required:

Business Management, Accounting, Business	10 hours
Select at least 3 credits:	
Accounting: 120:030, 120:031.	
Select at least 3 credits:	
Management: 150:100, 150:101, 150:102, 150:105, 150:153, 150:166.	
Gerontology core: 9 hours from the following	9 hours
Gerontology, & Family Studies: 31F:150.	
Psychology: 400:173.	
Health Promotion and Education: 410:125.	
Sociology: 980:125.	
Health Care Administration	14 hours
Gerontology, & Family Studies: 31G:170.	
Social Work: 450:172, 450:173.	
Health Promotion and Education: 410:186 (Guided Independent Study course <i>Medical Terminology for the Medical Professions</i> , 2 hrs.).	
World Religions/Philosophy: 640:173 or 650:173 or CAP:173.	
Electives approved by advisor	5 hours

Internship	4-10 hours^^
Students complete the seminar and either internship:	
Senior Seminar Design, Textiles, Gerontology, & Family Studies: 31G:193 (1 hr.) or 410:193 (1 hr.).	
Design, Textiles, Gerontology, & Family Studies: 31G:195, section 2 (3-9 hrs.)	
OR	
Health Promotion and Education: 410:168 (3 or 6 hrs.)	
OR	
Internship Design, Textiles, Gerontology, & Family Studies: 31G:195, section 2 (3 hrs.)	
OR	
Health Promotion and Education: 410:168 (3 hrs.)	
OR	
Sociology: 980:184 (3 hrs.)	
Total required in Long Term Care Track	<u>42 hours^^</u>

^^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 48 hours for the Long Term Care track.

Minors

Family Studies Minor

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

Required:

Family Studies: 31F:020; 31F:030 or 3 hours of social science research methods such as 400:101, 450:185, 48C:080, 48C:180, or 980:108; 31F:055 or <i>200:030</i> or 400:120; 31F:057	12 hours
Three courses from the following	9 hours
Family Studies: <i>31F:010</i> , 31F:054, 31F:077, 31F:145, 31F:150, 31F:153, 31F:155, 31F:157, 31F:162, 31F:177, 31F:184 (3 hrs.).	
	<u>21 hours</u>

Gerontology Minor

Gerontology core: select two of the following Gerontology core courses 6 hours

Design, Textiles, Gerontology, & Family Studies: 31F:150*.

Psychology: 400:173*.

Health Promotion and Education: 410:125.

Sociology: 980:125*.

Electives in Social Sciences: select two of the following Social Science courses 6 hours

Design, Textiles, Gerontology, & Family Studies: 31F:055*

OR

Psychology: 400:120*.

Design, Textiles, Gerontology, & Family Studies: 31F:077 or 31F:162*.

Social Work: 450:173*.

Sociology: 980:118.

Anthropology: 990:152*.

Electives in Humanities: select two of the following Humanities courses 6 hours

Philosophy: 650:050 or 650:142*.

World Religions/Philosophy: *640:173/650:173/CAP:173,*
640:194/650:194/CAP:194.

—
18 hours

*These courses have additional prerequisites as follows:

31F:150 has prerequisites of 31F:020; *200:030* or 31F:055 or 400:120; 3 hours social science research methods.
400:120 and 400:173 have prerequisites of *400:001* or equivalent. *400:001* may be used to satisfy Category 5B of the Liberal Arts Core.

980:125 has prerequisite of *980:001*. *980:001* may be used to satisfy Category 5A of the Liberal Arts Core.

31F:055 has prerequisite of *400:001* or consent of instructor. *400:001* may be used to satisfy Category 5B of the Liberal Arts Core.

31F:162 has prerequisite of 31F:020.

450:173 has prerequisite of *450:041*. *450:041* may be used to satisfy Category 5C of the Liberal Arts Core.

990:152 has prerequisite of *990:010*. *990:010* may be used to satisfy Category 4A of the Liberal Arts Core.

650:142 has prerequisite of one philosophy course.

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 Department of Design, Textiles, Gerontology, & Family Studies.

Required:

Textile and Apparel: 31T:012; 31T:013; 31T:014; 31T:020 12 hours

Electives from the following 6 hours

Textile and Apparel: 31T:011, 31T:015, 31T:114, 31T:115, 31T:116,
31T:119, 31T:121, 31T:122, 31T:123, 31T:124, 31T:184.

—
18 hours

Department of Earth Science

(College of Natural Sciences*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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 Major (B.S.)

Geology

Undergraduate Majors (B.A.)

Earth Science

Earth Science-Interpretive Naturalist Emphasis

Earth Science-Teaching

Geology

Minors

Astronomy

Earth Science

Earth Science-Teaching

Geology

Meteorology

The Department of Earth Science encompasses five curricular disciplines: Earth Science, Geology, Meteorology, Astronomy, and Earth Science Education. Major programs are offered in two baccalaureate areas: the Bachelor of Science and the Bachelor of Arts.

The B.S. degree in Geology is intended for students who wish to become professional geologists and who plan to enter graduate school in geology. This curriculum meets the standards of the American Institute of Professional Geologists. The B.A. in Geology provides a wider choice of electives than the B.S. in Geology and prepares students for additional study in selected fields of geology, paleontology, and related earth science areas. 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, industrial technology, anthropology, geography, biology, chemistry or related areas. Students wishing to work as professional interpreters with park systems, nature centers, museums, and other areas requiring field skills in the natural sciences and natural history communication skills are advised to select the B.A. in Earth Science with Interpretive Naturalist Emphasis. The B.A. degree in Earth Science-Teaching is designed to prepare secondary Earth Science teachers.

Bachelor of Science Degree Programs

Geology Major

The B.S. Geology 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Geology: *870:031*; *870:035*; *870:125*; *870:129*; *870:130*; *870:131*;
870:135; *870:136*; *870:141*; *870:142*;
870:180 (2 hrs.); Summer Field Course (6 hrs.)* 43 hours

Required cognate areas:

Mathematics: *800:060*; *800:061* 8 hours
 Mathematics/Computer Science: one of the following courses:
800:072, *800:172*, *810:030* 3 hours
 Chemistry and Biochemistry: *860:044* and *860:048*, or *860:070* 5-8 hours
 Physics: *880:054* and *880:056* and one 100-level^ cognate**
 elective, or *880:130* and *880:131*. 8-11 hours
 67-73 hours

*Summer field course requirements to be met by credit earned at a field camp approved by the department.

**A 100-level^ course in a cognate area is required unless met by taking *880:131*. Cognate areas for the B.S. degree program in geology are understood to include astronomy, biology, chemistry and biochemistry, geography, mathematics, computer science, physics, meteorology, oceanography, and science. Specific cognate courses must be approved by the advisor and department head.

^See course section for 4-digit numbers associated with these 100-level courses.

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

Required:

Mathematics: *800:046* or *800:060* 4 hours
 Chemistry and Biochemistry: *860:044* or *860:061* 4 hours
 Earth Science: *870:010**; *870:021*; *870:031*; *870:035* 15 hours
 Physics: *880:054* or *880:130* 4 hours
 Electives in earth science: 100-level^ courses** 18 hours
 45 hours

**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 870:137, 870:179, 870:180, 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 - Interpretive Naturalist Emphasis

The Earth Science major Interpretive Naturalist 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

This program is designed to prepare students with an earth science background to work as professional interpreters with park systems, nature centers, museums, and other areas requiring field skills and communication skills in the natural sciences and natural history. The B.A. Earth Science degree provides students a sound subject matter foundation in geology, meteorology, and astronomy. The emphasis enhances this background with biology and interpretive techniques.

Required:

Mathematics: 800:046 or <i>800:060</i>	4 hours
Chemistry and Biochemistry: <i>860:044</i>	4 hours
Earth Science: <i>870:010*</i> ; <i>870:021</i> ; <i>870:031</i> ; <i>870:035</i>	15 hours
Biology: <i>840:051</i> ; <i>840:052</i> ; <i>840:100</i>	11 hours
Physics: <i>880:054</i>	4 hours
Biology Natural History Interpretation Minor (see minor requirements)	18-20 hours
Electives in earth science: 100-level**^	<u>11</u> hours
	67-69 hours

*870:010 must be taken for four semester hours of credit.

**Electives must include one course from each of astronomy, geology, and meteorology.

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

Required:

Science and Science Education: 820:190; 820:193; 820:196	8 hours
Chemistry and Biochemistry: <i>860:044</i> and 860:048, or <i>860:070</i>	5-8 hours
Earth Science: <i>870:010*</i> ; <i>870:021</i> ; <i>870:022</i> ; <i>870:031</i> ; <i>870:035</i> ; 870:121	20 hours
Physics: <i>880:054</i> ; 880:056	8 hours
Electives in earth science: 100-level^ courses (excluding 870:186, 870:189, 870:195, and 870:198)	<u>6</u> hours
	47-50 hours

*870:010 must be taken for four semester hours of credit.

^See course descriptions for 4-digit numbers associated with these 100-level courses.

Geology Major

The B.A. Geology 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:

Mathematics: one of the following courses: 800:046; 800:060; 800:072; or 800:172	3-4 hours
Chemistry and Biochemistry: 860:044 and 860:048, or 860:070	5-8 hours
Earth Science: 870:031; 870:035; 870:129; 870:130; 870:131; 870:135; 870:136	24 hours
Physics: 880:054 and 880:056, or 880:130 and 880:131	8 hours
Summer field course*	6 hours
Electives in geology (100-level^)	4 hours
	50-54 hours

*Summer field course requirements to be met by credit earned at field camp approved by the department.

^See course descriptions for 4-digit numbers associated with these 100-level courses.

Recommended general electives - Mathematics: 800:060; 800:061.

Minors

Astronomy Minor

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

Required:

Mathematics: 800:060*; 800:061	8 hours
Earth Science: 870:010**; two of the following - 870:151 or 870:152 or 870:153; 870:154	10 hours
Physics: 880:130; 880:131	8 hours
	26 hours

*800:060 has prerequisite of 800:046, or 800:043 and 800:044, or equivalent.

**870:010 must be taken for four semester hours of credit.

Earth Science Minor

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

Required: courses in earth science

20 hours

Earth Science Minor-Teaching

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

Required:

Chemistry and Biochemistry: <i>860:044</i>	4 hours
Earth Science: <i>870:010*</i> ; <i>870:021</i> ; <i>870:022</i> ; <i>870:031</i> ; <i>870:035</i>	16 hours
Physics: <i>880:054</i>	<u>4</u> hours
	24 hours

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.

*870:010 must be taken for four semester hours of credit.

Geology Minor

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

Required:

Chemistry and Biochemistry: <i>860:044</i>	4 hours
Earth Science: <i>870:031</i> ; <i>870:035</i> ; <i>870:125</i> or <i>870:136</i> ; <i>870:129</i> or <i>870:141</i> ; <i>870:130</i> ; <i>870:131</i> ; 4-5 hours of 100-level^ electives in geology	<u>24</u> hours
	28 hours

^See course descriptions for 4-digit numbers associated with these 100-level courses.

Meteorology Minor

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

Required:

Mathematics: <i>800:060</i>	4 hours
Chemistry and Biochemistry: <i>860:044</i>	4 hours
Earth Science: <i>870:021</i> ; <i>870:121</i> ; <i>870:122</i> ; <i>870:123</i>	14 hours
Physics: <i>880:054</i>	4 hours
Geography: <i>970:127</i> or <i>970:164</i>	<u>3</u> hours
	29 hours

Recommended general electives - Mathematics: 800:061; 800:062.

Department of Economics

(College of Business Administration)

www.cba.uni.edu/economics

The Department of Economics offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Economics section in the following order:

Undergraduate Major (B.A.)

Economics

Minor

Economics-Liberal Arts

- 1) To graduate with a major in Economics a student must:
 - a) complete 920:053, 920:054, 920:103, and 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
 - b) earn a 2.50 grade point average (GPA) for all 920:xxx courses taken at UNI, except 920:020, 920:024, 920:070, 920:177, and 920:179.
- 2) 920:020 counts toward an Economics major **only** in the Business Economics emphasis and does not count toward the minor.
- 3) 920:070 counts toward an Economics major **only** in the Business Economics and Applied Economic Analysis emphases and does not count toward the minor.
- 4) 920:024 does not count toward the Economics major or minor.
- 5) 920:053 and 920:054 are minimum prerequisites for all 100/2000/3000/4000-level courses.
- 6) It is recommended that 920:103 and 920:104 be taken before other advanced courses in Economics.
- 7) Not more than one emphasis may be declared in economics.

The Economics Department may impose additional admission requirements for students wishing to declare a minor or a second CBA major. Eligibility to declare a minor or a second CBA major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from the Student Advising and Career Services Office (CBB 321B) in the College of Business Administration.

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

Required:

Business Administration, Interdepartmental: 100:010; 100:020	0 hours
Economics: 920:053; 920:054; 920:103; 920:104; 920:169; 920:181	18 hours
Mathematics: 800:072	3 hours
Emphasis requirements (students choose only one area of emphasis)	<u>18-42</u> hours 39-63 hours

Emphases:

1. **General Economics** (18 hours)

Electives: 100/2000/3000/4000-level economics courses 18 hours

2. **Quantitative Techniques** (40 hours)

Required:

Economics: 920:168	3 hours
Mathematics: 800:046; 800:060; 800:061; 800:062; 800:076; 800:140	22 hours
Electives: 100/2000/3000/4000-level economics courses (except 920:177)	<u>15</u> hours
40 hours	

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 the Student Advising and Career Services Office in the College of Business Administration or at www.CBA.uni.edu/dbweb/pages/students/advising-policies.cfm. 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 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 920:020), and six hours of statistics may be counted as outside

the College of Business Administration. A student must also complete 920:053, 920:054, 920:103, and 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 120:xxx, 130:xxx, 150:xxx, 160:xxx, and 920:xxx courses taken at UNI; and earn a 2.50 or better, in all 920:xxx courses taken at UNI excluding 920:020, 920:024, 920:070, 920:177 and 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: 120:030; 120:031	6 hours
Marketing: 130:101	3 hours
Management: 150:080; 150:100; 150:153; 150:154; 150:175	15 hours
Finance: 160:151	3 hours
Economics: 920:020; 920:070	6 hours
Electives: 100/2000/3000/4000-level economics courses	<u>6</u> hours
	39 hours

4. **Applied Economic Analysis** (42 hours)

Required:

Accounting: 120:030; 120:031	6 hours
Management: 150:080	3 hours
Finance: 160:151; 160:152; and one of the following - 160:153, 160:161, 160:162	9 hours
Mathematics: 800:046; 800:060; 800:061	12 hours
Economics: 920:070; 920:113; 920:168	9 hours
Electives: 100/2000/3000/4000-level economics courses	<u>3</u> hours
	42 hours

Students successfully completing the requirements for a Mathematics major (any emphasis) may waive 920:070 and 920:168 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 920:070, 920:168, 800:060, and 800:061 before graduation.

Minors

Economics Minor-Liberal Arts

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

Required:

Economics: 920:053; 920:054; 920:103; 920:104	12 hours
Electives: 100/2000/3000/4000-level economics courses (920:103 and 920:104 recommended to be taken before other advanced courses in economics)	<u>6</u> hours
	18 hours

Available to all UNI majors, except Economics majors.

Note: 920:053 and 920:054 are prerequisites for all 100/2000/3000/4000-level economics courses.

Department of Educational Leadership, Counseling, and Postsecondary Education

(College of Education)

www.uni.edu/coe/elcpe

The Department of Educational Leadership, Counseling, and Postsecondary Education offers the following graduate programs and program certificates. (There are no undergraduate majors or minors in the Department of Educational Leadership, Counseling, and Postsecondary Education.) Specific requirements for these graduate programs and program certificates are listed within this Department of Educational Leadership, Counseling, and Postsecondary Education section in the following order:

Graduate Major (M.A.)

Mental Health Counseling*

Graduate Majors (M.A.E.)

Postsecondary Education: Student Affairs

Principalship

School Counseling*

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

(*Effective August 2010, the Department of Design, Textiles, Gerontology, and Family Studies was renamed the School of Applied Human Sciences - at that time the counseling programs within the Department of Educational Leadership, Counseling, and Postsecondary Education moved to the School of Applied Human Sciences. However, the Major in Mental Health Counseling and Major in School Counseling are still listed within the Department of Educational Leadership, Counseling, and Postsecondary Education in this 2010-2012 catalog which was effective May 1, 2010.)

Master of Arts Degree Program

Major in Mental Health Counseling

This program is designed for those who intend to work in non-school settings such as community and mental health centers, counseling centers, and employee assistance programs. Specific areas of interest and the setting in which the person plans to work will determine the appropriate electives in a specialty (emphasis) area.

Program requirements and detailed information on the major, including admission policies and procedures, should be obtained from the Department of Educational Leadership, Counseling, and Postsecondary Education. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx (also www.uni.edu/coe/elcpe/counseling/index.shtml).

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

This major is available on the **thesis** and **non-thesis** options. A **minimum of 66 semester hours** is required for the **thesis** option which includes 6 hours of 290:299, and a **minimum of 60 semester hours** for the **non-thesis** option. **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:

Measurement and Research: 250:205 3 hours

Counseling: 290:103; 290:105; 290:205; 290:220; 290:225;
290:226; 290:227; 290:228; 290:241; 290:250; 290:254; 290:256;
290:262 39 hours

Psychology: 400:142 3 hours

Required Practicum and Internship:

Counseling: 290:290 (3 hrs.); 290:291 (6 hrs.) 9 hours

Electives: a minimum of 6 hours, in a specialty (emphasis) area,
selected in consultation with advisor 6 hours
Non- thesis option 60 hours

Thesis Option:

Research: 290:299 6 hours
Thesis option 66 hours

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, Counseling, and Postsecondary Education for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx (also www.uni.edu/coe/elcpe/postsecondary/index.shtml).

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

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: 200:214 or 200:235 or
 Social Foundations: 260:234 3 hours
 Measurement and Research: 250:205 3 hours

Postsecondary education core:

Postsecondary Education: Student Affairs: 170:218; 170:222; 170:231;
 170:260; 170:264; 170:266; 170:270 21 hours
 170:289 Seminar 3 hours
 170:290 Practicum (two are required for 6 hrs.)* 6 hours
 170:299 Research 2 or 6 hours
 Thesis option (6 hrs.)
 Non-thesis option (2 hrs.)

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

Management: 150:130.
 Postsecondary Education: Student Affairs: 170:250, 170:256,
 170:285 (1-3 hrs.; may be repeated for a maximum of 6 hrs.), 170:291.
 Education, Interdepartmental: 190:305.
 Educational Psychology: 200:214.
 Measurement and Research: 250:180, 250:181, 250:300.
 Social Foundations: 260:234.
 Counseling: 290:105, 290:220, 290:225, 290:256.
 Psychology: 400:157, 400:158.
 Communication: 48C:151, 48C:153.

Thesis option 48 hours
 Non-thesis option 44 hours

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

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, Counseling, and Postsecondary Education for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx (also www.uni.edu/coe/elcpe/edlead/index.shtml).

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

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 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 within the cohort group in Urban

Education Network (UEN) 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: 200:116; 200:1xxg/5xxx (1 hr.) or 200:2xx/6xxx (1 hr.)
or 200:214 or 200:232 or

Social Foundations: 260:234 3 hours

Special Education: 220:260 3 hours

Measurement and Research: 250:205 3 hours

Additional educational leadership courses:

Educational Leadership: 270:206; 270:232; 270:245; 270:247; 270:249;

270:282; 270:284 19 hours

Internship 9 hours

Educational Leadership: 270:291 (5 hrs.); 270:292 (4 hrs.)

Non-thesis option 37 hours

Thesis Option

Research: 270:299 6 hours

Thesis option 43 hours

Major in School Counseling

This program is designed for those who intend to work as counselors in school settings. A teaching certificate and teaching experience are desirable but not required in order to become licensed.

Program requirements and detailed information on the major, including admission policies and procedures, should be obtained from the Department of Educational Leadership, Counseling, and Postsecondary Education. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx (also www.uni.edu/coe/elcpe/counseling/index.shtml).

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

This major is available on the **thesis** and **non-thesis** options. For students who have a teaching degree, a **minimum of 57 semester hours** is required for the **thesis** option which includes 6 hours of 290:299, and a **minimum of 51 semester hours** for the **non-thesis** option. For students without a teaching degree, a **minimum of 63 semester hours** is required for the **thesis** option which includes 6 hours of 290:299, and a **minimum of 57 semester hours** for the **non-thesis** option. **A minimum of 18 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.

For students with a teaching degree:

Required:

Educational Psychology: 200:214	3 hours
Measurement and Research: 250:205	3 hours
Counseling: 290:103; 290:105; 290:210; 290:220; 290:225; 290:226; 290:227; 290:228; 290:250; 290:254; 290:256; 290:262	36 hours

Required practicum and internship:

Counseling: 290:290 (3 hrs.); 290:291 (6 hrs.)	<u>9</u> hours
	Non-thesis option 51 hours

Thesis Option

Research: 290:299	<u>6</u> hours
	Thesis option 57 hours

For students without a teaching degree:

In addition to program requirements specified above (for students with a teaching degree), the following undergraduate licensure courses are also required: 200:128 (1 hr.), 200:148 (3 hrs.), and 220:150 (2 hrs.).

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.**

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 six 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 six areas of intensive study provide for a specialized focus on practice. The six intensive study areas are: *Community Health Education, Curriculum and Instruction, Educational Leadership, Leisure, Youth and Human Services, Rehabilitation Studies, 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 six 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, Counseling, 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, Counseling, and Postsecondary Education for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx. 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 www.uni.edu/coe/elcpe/edlead/overview_edd.shtml.

I. Professional Common Core (15 hours)

Education Foundations	3 hours
Interdepartmental, Education: 190:301.	
Research:	
Interdepartmental, Education: 190:303; 190:305; 190:307	9 hours
Measurement and Research: One of the following -	
250:270, 250:300, 250:301, 250:310	3 hours

II. Advanced Professional Studies (38 hours)**Requirements for the Educational Leadership Intensive Study area:**

Required:

Educational Leadership: 270:311 3 hours

Seminar: 170:389 or 270:389 3 hours

Practicum: 170:397 or 270:397

OR

Internship: 170:391 or 270:391 3 hours

Electives as follows: 29 hours

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 (270:):

270:206, 270:224, 270:232, 270:245, 270:247,

270:249, 270:282, 270:284, 270:285 (1-3 hrs.; may be repeated with department approval), 270:289 (1-3 hrs.; may be repeated with department approval), 270:290,

270:291, 270:292, 270:310, 270:311, 270:315,

270:318, 270:319, 270:325, 270:340, 270:346,

270:354, 270:385, 270:389 (1-3 hrs.; may be repeated with department approval), 270:391, 270:397.

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: 190:389 1 hour**Dissertation Research:** 190:399 6 hours

60 hours

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, Counseling, 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: 200:116; 200:1xxg/5xxx (1 hr.) or 200:2xx/6xxx (1 hr.) or 200:232; or 200:214; and	
Measurement and Research: 250:205	6 hours
Special Education: 220:260	3 hours
Educational Leadership: 270:206; 270:232; 270:245; 270:247; 270:249; 270:282; 270:284	19 hours
Educational Leadership internship: 270:291 (5 hrs.); 270:292 (4 hrs.)	<u>9</u> hours
	37 hours

Emphasis: Superintendent 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: 270:310; 270:311; 270:315; 270:318; 270:319; 270:340; 270:346	20 hours
Educational Leadership seminar: 270:389 (2 hours, 1 hour, 1 hour/two weekends)	4 hours
Educational Leadership work toward development of internship plan: 270:391	1 hour
Educational Leadership internship: 270:391	<u>8</u> hours
	33 hours

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/default.aspx.

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

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: 200:214	3 hours
Measurement and Research: 250:205	3 hours
Educational Psychology: 200:140 or Social Foundations: 260:234 (as approved by advisor)	3 hours
Educational Psychology emphasis: completion of at least 15 hours (advisor approved) in one of the three emphases listed below	15 hours
Professional studies	3 or 6 hours
Thesis option: 6 hrs. of 200:299.	
Non-thesis option: 3 hrs. from 200:285, 200:290, 200:299.	

Electives: a minimum of 6 hours 6 hours

Electives will be selected in consultation with advisor and require approval of the graduate coordinator.

Thesis option 36 hours
Non-thesis option 33 hours

Development and Learning Emphasis:

Educational Psychology: 200:235 or (200:116 and 200:285, 1 hr.); 200:224; and 6 hours approved by department.

Measurement and Research: 250:180.

Research and Evaluation Emphasis:

Measurement and Research: 250:180; 250:181; 250:281; 3 hours in Development and Learning Emphasis; and one course from the following: 190:305, 250:270, 250:300, 250:301.

Context and Techniques of Assessment Emphasis:

Choose 15 hours from the following courses:

Educational Psychology: 200:240, 200:280, 200:286, 200:289.

Special Education: 220:260.

Measurement and Research: 250:281, 250:282, 250:283, 250:284.

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/default.aspx.

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

This degree program invites participation from early childhood, elementary, middle school, and high school teachers. This major is available on the **thesis** and **non-thesis** options. A **minimum of 36 semester hours** is required for the **thesis option** and a **minimum of 33 semester hours** for the **non-thesis** option. The thesis or research paper is expected to explore a topic that will improve classroom practice and student learning. A **minimum of 15 hours of 200/6000-level course work is required for the thesis option. A minimum of 12 hours of 200/6000-level course work is required for the non-thesis option.**

Successful completion of a final oral comprehensive examination is required for **both the thesis and non-thesis options.**

Required professional core:

Educational Psychology: 200:214*	3 hours
Measurement and Research: 250:205	3 hours
Social Foundations: 260:234*	3 hours
Research: xxx:299	3 or 6 hours
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):	
Component I: Advanced professional course work	8-12 hours
Component II: Theoretical-philosophical course work	5-9 hours
Component III: Advanced academic course work taken from one department	<u>8-12</u> hours
	Thesis option 36 hours
	Non-thesis option 33 hours

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 any 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/default.aspx. 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.

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 9 hours selected from the following:

Educational Psychology: 200:232, 200:240, 200:286, 200:289.

Measurement and Research: 250:281, 250:282, 250:283, 250:284, 250:286 . 9 hours

Professional studies:

200:290 3-5 hours

200:291 6 hours

200:299 1-3 or 6 hours

Thesis option (6 hrs.)

Non-thesis option (1-3 hrs.)

Special Education: 220:260 3 hours

Literacy Education: 230:238 3 hours

Counseling & Behavior Modification: 290:254 or 400:272 3 hours

Electives as approved by committee 1 or 1-6 hours

Thesis option (1 hr.)

Non-thesis option (1-6 hrs.)

 36 hours

Department of English Language and Literature*

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

(College of Humanities and Fine Arts)**

**Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

www.uni.edu/english

The Department of English Language and Literature* offers the following undergraduate and graduate programs and program certificate. Specific requirements for these programs are listed within this Department of English Language and Literature* section in the following order:

Undergraduate Majors (B.A.)

- English
- English-Teaching
- Teaching English to Speakers of Other Languages (TESOL)
- Teaching English to Speakers of Other Languages (TESOL)-Teaching
- TESOL/Modern Language-Teaching (also listed in Department of Modern Languages*)

Minors

- Comparative Literature (also listed in Department of Modern Languages*)
- English
- English-Teaching
- Teaching English to Speakers of Other Languages (TESOL)
- Teaching English to Speakers of Other Languages (TESOL)-Teaching
- Writing

Graduate Majors (M.A.)

- English
- Teaching English to Speakers of Other Languages (TESOL)
- TESOL/Modern Languages (also listed in Department of Modern Languages*)

Program Certificate

- Certificate in Post-Colonial and Multicultural Literary Studies

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

Required:

English: 620:034; 620:040; 620:042; 620:043; 620:053	15 hours
One of the following	3 hours
English: 620:102**, 620:103, 620:104**, 620:105**, 620:163, 620:174**, 620:175**, or Journalism: 48J:171**.	
TESOL/Applied Linguistics: 630:125 or 630:130	3 hours
Electives in English literature, at least two courses from each group	18 hours
*Within each group, other appropriate topics may be offered in sections of 620:126, 620:150, 620:159, 620:186, and 620:188.	
*Group A. Literature in English to 1800: 620:110, 620:113, 620:116, 620:117, 620:144, 620:147, 620:148, 620:151.	
*Group B. Literature in English since 1800: 620:115, 620:118, 620:119, 620:120, 620:121, 620:123, 620:124, 620:134, 620:153, 620:156.	
*Group C. Literary Theory, Film, Cross-Cultural: 620:110, 620:128, 620:139, 620:142, 620:157, 620:158, 620:161, 620:170, 620:172, 620:182, <i>620:187/CAP:187</i> .	
Electives in English language, literature or writing	<u>3</u> hours
	42 hours

**The following courses have additional prerequisites:

620:102, 620:104, and 620:105 have prerequisites of 150:080 or 620:077 or consent of instructor.

620:174 has prerequisite of 620:108 or consent of instructor.

620:175 has prerequisite of 620:109 or consent of instructor.

48J:171 has prerequisite of 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

English: 620:034; 620:040; 620:042; 620:043; 620:053	15 hours
One of the following	3 hours
English: 620:102**, 620:103, 620:104**, 620:105**, 620:163 or	
Journalism: 48J:171**.	
TESOL/Applied Linguistics: 630:125 or 630:130	3 hours
One of the following	3 hours
TESOL/Applied Linguistics: 630:143, 630:165, 630:190, 630:195.	
Literacy Education: 230:117	3 hours
Communication: 48C:001	3 hours
English: 620:165; 620:190; 620:193	9 hours
Electives in English literature, at least one course from each group	9 hours
*Within each group, other appropriate topics may be offered in sections of 620:126, 620:150, 620:159, 620:186, and 620:188.	
*Group A. Literature in English to 1800:	
620:110, 620:113, 620:116, 620:117, 620:144, 620:147, 620:148, 620:151.	
*Group B. Literature in English since 1800:	
620:115, 620:118, 620:119, 620:120, 620:121, 620:123, 620:124, 620:134, 620:153, 620:156.	
*Group C. Literary Theory, Film, Cross-Cultural:	
620:110, 620:128, 620:139, 620:142, 620:157, 620:158, 620:161, 620:170, 620:172, 620:182, 620:187/CAP:187.	
	48 hours

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 620:190.

**The following courses have additional prerequisites:

620:102, 620:104, and 620:105 have prerequisites of 150:080 or 620:077 or consent of instructor.

48J:171 has prerequisite of 48J:071.

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

Required:

English: literature core-at least one course from each group	9 hours
a. 620:034	
b. 620:042 or 620:053	
c. 620:040 or 620:043 or 620:053	
Note: 620:053 may be used for b or c but not both.	
English: one of the following: 620:103, 620:104, 620:105, 620:193	3 hours
TESOL/Applied Linguistics:	
630:125 or 630:130; 630:160 or 630:163	6 hours
630:154; 630:165; 630:192; 630:193; 630:194; 630:196	18 hours
Electives in TESOL/Applied Linguistics	3 hours
Electives in literature or TESOL/Applied Linguistics	<u>3</u> hours
	42 hours

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

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 hours
a. 620:034	
b. 620:042 or 620:053	
c. 620:040 or 620:043 or 620:053	
Note: 620:053 may be used for b or c but not both.	
English: one of the following: 620:103, 620:104, 620:105, 620:193	3 hours
TESOL/Applied Linguistics:	
630:125 or 630:130; 630:160 or 630:163	6 hours
630:154; 630:165; 630:192; 630:193; 630:194; 630:196	18 hours
Electives in TESOL/Applied Linguistics	3 hours
Electives in literature or TESOL/Applied Linguistics	<u>3</u> hours
	42 hours

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.

TESOL/Modern Language Major-Teaching (*Extended Program*)

This major is offered cooperatively by the Department of English Language and Literature* and the Department of Modern Languages*, and is under the jurisdiction and supervision of the heads of these two departments. (*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.)

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

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: 620:034; one of the following - 620:103, 620:104, 620:105, 620:193	6 hours
TESOL/Applied Linguistics: 630:125 or 630:130; 630:154; 630:160; 630:165; 630:192; 630:193; 630:194; 630:196	24 hours
30 hours from one of the language emphases below	<u>30</u> hours
	60 hours

Emphases-

French:

Languages: 700:190; 700:193.

French: 720:011; 720:012; 720:051 (3 hrs.); 720:061 (2 hrs.); 720:101;
720:104; 720:105; 720:124 or 720:125; 720:191 (2 hrs.);
at least one French literature course; and electives in French
more advanced than 720:002 and 720:004 to total 30 hours.

German:

Languages: 700:190; 700:193.

German: 740:011; 740:012; 740:013; 740:014; 740:101 (2-3 hrs.);
740:103 (2-3 hrs.); 740:123 or 740:150; 740:191 (2 hrs.); at
least one German literature course and electives in German
more advanced than 740:002 and 740:004 to total 30 hours.

Russian:

Languages: 700:190; 700:193.

Russian: 770:011; 770:012; 770:013; 770:014; 770:101; 770:103; 770:191 (2 hrs.); at least one Russian literature course; and electives in Russian more advanced than 770:002 and 770:004 to total 30 hours.

Spanish:

Languages: 700:190; 700:193.

Spanish: 780:055 (4 hrs.); 780:101 or 780:150; 780:104 or 780:105; 780:107 (2 hrs.) and 780:108; 780:120 or 780:123 or 780:127 or 780:152 (3 hrs.); 780:145 or 780:146 or 780:147; 780:191 (2 hrs.); and electives in Spanish more advanced than 780:002 to total 30 hours.

Note: International students must have achieved a TOEFL paper-based score of 600 or computer-based score of 250 or the equivalent.

Minors**Comparative Literature Minor**

This is an interdisciplinary minor administered jointly by the Department of English Language and Literature* and the Department of Modern Languages*. (*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.)

This minor is designed for foreign language majors and students of English literature who demonstrate a reading knowledge of a foreign language. Other students who can demonstrate a reading knowledge of a foreign language may also enroll.

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

Required:

English Language and Literature: 620:161; a 100-level [^] course in English literature	6 hours
Electives: (see below*)	<u>12</u> hours
	18 hours

***For Foreign Language Majors-**

Electives in 100-level[^] foreign language literature courses (6 hours).

English literature at the 100-level[^] (excluding 620:144, 620:147, 620:148) - (6 hours).

***For Non-Foreign Language Majors-**

French: 720:104; or

German: 740:104; or

Spanish: 780:104.

Electives in 100-level[^] foreign language literature courses (9 hours).

[^]See course descriptions for 4-digit numbers associated with these 100-level courses.

English Minor

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

Choose ONE option - 24 hours

1. Literary Studies Option

Required:

English: 620:034; 620:042	6 hours
English: two of the following - 620:040, 620:043, 620:053	6 hours
TESOL/Applied Linguistics: 630:125 or 630:130	3 hours
Electives in English literature, at least one course from each group	9 hours
*Within each group, other appropriate topics may be offered in sections of 620:126, 620:150, 620:159, 620:186, and 620:188.	
*Group A. Literature in English to 1800: 620:110, 620:113, 620:116, 620:117, 620:144, 620:147, 620:148, 620:151.	
*Group B. Literature in English since 1800: 620:115, 620:118, 620:119, 620:120, 620:121, 620:123, 620:124, 620:134, 620:153, 620:156.	
*Group C. Literary Theory, Film, Cross-Cultural: 620:110, 620:128, 620:139, 620:142, 620:157, 620:158, 620:161, 620:170, 620:172, 620:182, 620:187/CAP:187.	
	— 24 hours

2. Film Studies Option

Required:

English: 620:035; 620:139; 620:142; 620:182	12 hours
English electives - literature in English	3-12 hours
Electives in film or media production from departments other than English	0-9 hours
Elective in a studio or performance course in art, music or theatre (including interpreters theatre)	0-3 hours
	— 24 hours

English Minor-Teaching

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

Required:

English: 620:034; 620:040; 620:042; 620:043; 620:053	15 hours
TESOL/Applied Linguistics: 630:130	3 hours
Literacy Education: 230:117	3 hours
Communication: 48C:001	3 hours
English Language and Literature: 620:165; 620:190; 620:193	9 hours
	33 hours

A minimum cumulative grade point average of 2.40 in courses taken to complete this minor is required.

Teaching English to Speakers of Other Languages (TESOL) Minor

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

Required:

TESOL/Applied Linguistics: 630:125 or 630:130; 630:154;
630:160; 630:165; 630:192; 630:193; 630:194; 630:196 24 hours

Teaching English to Speakers of Other Languages (TESOL) Minor-Teaching

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

Required:

TESOL/Applied Linguistics: 630:125 or 630:130; 630:154;
630:160; 630:165; 630:192; 630:193; 630:194; 630:196 24 hours

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

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

Required:

Choose ONE option - 18 or 21-24 hours

1. Creative Writing Option

English:

620:031 or 620:034 3 hours
620:070 and/or 620:071 3-6 hours
620:108 and/or 620:109 3-6 hours
620:174 and/or 620:175 3-6 hours

Elective in a studio or performance course in art, music,
or theatre 0-3 hours

Elective(s): 620:107* and/or courses in creative writing and/or literature,
including literature in a language other than English 0-6 hours
18 hours

*620:107 has prerequisite of 620:077 or consent of instructor.

2. Professional Writing Option

English: 620:005 or 620:015 or 620:034 or equivalent* 0-3 hours
(*satisfaction of LAC Category 1A)

English: 620:077; 620:102; 620:104; 620:105; 620:107; 620:163 or
620:164; 620:177 21 hours
21-24 hours

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 English Language and Literature* for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx. (*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.)

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

This major in English is available on the **thesis** and **non-thesis** options, and degree applicants choose one of three emphases (see below). The **thesis** option requires a **minimum of 30-36 semester hours**, depending on the emphasis chosen; the **non-thesis** option requires a **minimum of 30-33 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) Creative Writing Emphasis**, minimum 36 semester hours - available on **thesis** option only; and **(3) Teaching English in Secondary Schools-Middle/Junior High and Senior High (TESS)**, minimum 33 semester hours - available on **non-thesis** option only.

Graduate 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 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 interview 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** option.

Required:

English Language and Literature: 620:201 3 hours

Electives 27 hours

Planned with the student's advisor and subject to the approval of the departmental committee: must include 12 hours of 200/6000-level courses in addition to 620:201 (including 6 hours of 620:299 required for thesis option; no more than 3 hours of 620:299 may be used for the non-thesis option)

—
30 hours

Creative Writing Emphasis: Available on the **thesis** option only.

Required:

English Language and Literature: 620:201 3 hours

English Language and Literature: 620:108 or 620:109 3 hours

English Language and Literature: 620:174 and/or 620:175 3 or 6 hours

English Language and Literature: 620:270 3 or 6 hours

Research: 620:299 6 hours

Electives (planned with student's advisor and subject to approval by the departmental committee):

Literature courses from English Language and Literature
(must include 6 hours of 200/6000-level courses) 12 hours

Literature, writing, or culture from a department other than
English *or* a non-literature course from English 3 hours
36 hours

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.

Teaching English in the Secondary Schools-Middle/Junior High and Senior High (TESS) Emphasis:

Available on the **non-thesis** option only.

Teacher licensure is a prerequisite for completing the program approval process for this emphasis. Also prerequisite is the following undergraduate course work: one course in TESOL/Applied Linguistics; one course in advanced writing; two courses in British literature; one course in American literature; one course in modern or ethnic literature; one course in young adult literature; one course in the teaching of writing; and 620:190.

No more than 3 hours of prerequisite courses can be applied to the minimum hours required for this emphasis. Further deficiencies must be made up in addition to the required courses listed below. Students who have not taken all the prerequisite work should consult at once with the English Graduate Coordinator in order to plan appropriate course work.

Required:

Literacy Education: 230:117	3 hours
English Language and Literature: 620:201; 620:291	6 hours
English Language and Literature: 200/6000-level literature seminars	9 hours
TESOL/Applied Linguistics: 630:190; 630:143 or 630:192	6 hours
Electives*	<u>9</u> hours
	33 hours

*Students who have not completed 280:138 in *English* are required to take 620:297 for 1 hour. A student who has completed any of the required courses at the undergraduate level may elect other departmental graduate level courses to complete the required minimum total of 33 hours.

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 English Language and Literature* for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx. (*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.)

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

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 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: 630:125 or 630:130; 630:154; 630:160.

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: 630:125 or 630:130; 630:154; 630:160 or
630:163; 630:192; 630:193; 630:194; 630:201; 630:240 or 630:295;
630:289; 630:292; 630:297

Students choosing the thesis option are required to complete 6 hours of 630:299, which 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

This major is offered cooperatively by the Department of English Language and Literature* and the Department of Modern Languages*, and is under the jurisdiction and supervision of the heads of these two departments.

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

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. A student who has not completed 7x0:101 and either 630:125 or 630:130 (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 Modern Language* faculties. See the TESOL Graduate Coordinator for details.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

Required:

TESOL/Applied Linguistics: 630:192; 630:193 or 630:194;
630:201; 630:240 or 630:289 or 630:295; 630:292; 630:297 18 hours

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 hours
33 hours

French Emphasis:

Languages: 700:190* or 700:290	3 hours
French: 720:124 or 720:125; and one of the following - 720:203 or 720:207 or 720:270 or 720:271 or 720:289	6 hours
Plus courses approved by the graduate French advisor	<u>6</u> hours
	15 hours

German Emphasis:

Languages: 700:190* or 700:290	3 hours
German: 740:123 or 740:150	3 hours
Plus courses approved by the graduate German advisor	<u>9</u> hours
	15 hours

Spanish Emphasis:

Languages: 700:190* or 700:290	3 hours
Spanish: one graduate course in each of the following areas: culture and civilization; translation; linguistics	6-9 hours
Plus courses approved by the graduate Spanish advisor	<u>3-6</u> hours
	15 hours

*700:190 is required for a teaching endorsement in Modern Languages; 700:190 has a required corequisite 7xx: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.

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 English Language and Literature* or the Office of the Registrar, which serves as the centralized registry.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

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: 3-6 hours

English Language and Literature: 620:040.

French: 720:031.

Portuguese: 790:031.

Electives 9-12 hours

(To include at least 9 hours of 1xx-level^ courses)

English Language and Literature: 620:128, 620:157, 620:158.

TESOL/Applied Linguistics: 630:160.

French: 720:108, 720:128.

German: 740:132.

Spanish: 780:104, 780:120, 780:127.

—
15 hours

^See course descriptions for 4-digit numbers associated with these 100-level courses.

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 Certificate

Financial Analysis

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 the Student Advising and Career Services Office in the College of Business Administration or at www.CBA.uni.edu/dbweb/pages/students/advising-policies.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 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.

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 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 120:xxx, 130:xxx, 150:xxx, 160:xxx, and 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 the Student Advising and Career Services Office (CBB 321B) in the College of Business Administration.

Bachelor of Arts Degree Programs

Finance Major

The Finance major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required business core:

Business Administration, Interdepartmental: 100:010; 100:020	0 hours
Accounting: 120:030; 120:031	6 hours
Marketing: 130:101	3 hours
Management: 150:080; 150:100; 150:153; 150:154; 150:175	15 hours
Finance: 160:151	3 hours
Economics: 920:020; 920:053; 920:054; 920:070	12 hours
Required Finance: 160:152; 160:161; 160:171	9 hours
Emphasis requirements: (students select one area of emphasis below)	9 hours
	57 hours**

Emphases:

1. Financial Management

Electives: (9 hours)

Finance: 160:141*, 160:153, 160:154, 160:156 (sections 1, 2, 3, and 4),
160:157, 160:158, 160:163.

Economics: 920:113.

2. Investments

Required: (6 hours)

Finance: 160:156 (section 2); 160:156 (section 3).

Electives: (3 hours)

Finance: 160:141*, 160:153, 160:154, 160:157, 160:158.

3. Financial Services

Required: (6 hours)

Finance: 160:153; either 160:141 or 160:154 or 160:157.

Electives: (3 hours)

Finance: 160:141* or 160:154 (if not selected as required course), 160:158, 160:162, 160:163.

Economics: 920:113.

*Students who major in both Finance and Real Estate may not use 160:141 to satisfy the requirements of the Finance major.

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

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

Required business core:

Business Administration, Interdepartmental: 100:010; 100:020	0 hours
Accounting: 120:030; 120:031	6 hours
Marketing: 130:101	3 hours
Management: 150:080; 150:100; 150:153; 150:154; 150:175	15 hours
Finance: 160:151	3 hours
Economics: 920:020; 920:053; 920:054; 920:070	12 hours
Required Real Estate and Finance: 160:140; 160:141; 160:142; 160:143; 160:161; 160:171	<u>18</u> hours
	57 hours*

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

Minors

Finance Minor (for Business and Non-Business Majors)

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

Required:

Finance: 160:151*; 160:152	6 hours
Electives:	9 hours
Finance: 160:141, 160:153, 160:154, 160:156 (sections 1, 2, 3, and 4), 160:158, 160:161, 160:162, 160:163.	
Economics: 920:113.	
	<u>15</u> hours**

* 160:151 has additional prerequisites of 120:031; 920:053; 920:054; 920:070 or equivalent.

****NOT** available to majors in Finance

Real Estate Minor-Business

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

Required:

Finance: 160:140; 160:141; 160:142; 160:143	12 hours
Electives from the following	3 hours
Marketing: 130:106, 130:153, 130:178.	
Finance: 160:153, 160:163.	
Industrial Technology: 330:018.	
Economics: 920:148.	
Geography: 970:104, 970:121, 970:168.	
	<u>15</u> hours

Available to majors in: Accounting, Business Teaching, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, and Marketing.

Real Estate Minor

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

Required:

Finance: 160:140; 160:142; 160:143 9 hours

Marketing: 130:101* 3 hours

Electives from the following 3 hours

Marketing: 130:106, 130:153, 130:178.

Finance: 160:141**, 160:151**, 160:153**, 160:163**.

Industrial Technology: 330:018.

Economics: 920:148**.

Geography: 970:104, 970:121, 970:168**.

—
15 hours*

NOT available to majors in: Accounting, Business Teaching, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, Marketing, and Real Estate.

*In addition to the required 15 hours, 130:101 has a prerequisite of either 920:024 or 920:053. 920:024 or **both** 920:053 and 920:054 will satisfy Category 5B of the Liberal Arts Core.

**160:141, 160:151, 160:153, 160:163, 920:148, and 970:168 have additional prerequisites.

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: 160:266 (MBA students) or 160:161; 160:152;

160:156 (section 2); 160:156 (section 3); 160:171 15 hours

15 hours*

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 Association of Investments Management Research (AIMR®). 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 AIMR®.

*Course prerequisites will lengthen this certificate for non-business majors.

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 Majors (B.A.)

Geography

Geography with Environmental Systems Emphasis

Geography with Geographic Information Science Emphasis

Geography with Urban and Regional Spatial Analysis Emphasis

Geography-Teaching

Minors

Geography-Liberal Arts

Geography-Teaching

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

Required:

Geographic Information Science core: *970:010*; *970:026* (4 hr. version);
970:164; *970:165*; *970:170*; *970:173*; *970:174*; *970:175*; *970:180*;
970:181; *970:193* 30-32 hours
 Both of the following 6 hours
 Geography: *970:061*; *970:160**.
 One course from each of the following pairs:
 Mathematics or Sociology: *800:072*, *980:080* 3 hours
 Computer Science: *810:030*, *810:114** 3 hours
 Choose **ONE** Application Focus (below) and four courses from that focus 12 hours

Application Focus on Environmental Science and Policy:

Health Promotion/Environmental: 410:166/830:166.
 Earth Science: 870:123*.
 Geography: 970:028, 970:100, 970:126, 970:127, 970:129, 970:137,
 970:155*, 970:185, or approved courses in cognate areas.

Application Focus on Human Geographic Processes:

Geography: 970:111, 970:114, 970:116, 970:117, 970:119,
 or approved courses in cognate areas.

Application Focus on Economic Geography and Business:

Management: 150:119, 150:153.
 Geography: 970:101, 970:111, 970:117, 970:121, or
 approved courses in cognate areas.

Application Focus on Planning and Policy:

Health Promotion: 410:110
 Political Science: 942:048.
 Geography: 970:101, 970:104, 970:111,
 970:114, 970:117, 970:119, or approved courses in cognate areas.

Electives	.....	1-4 hours
Other courses, in Geography or cognate areas approved, to reach a minimum of 56 hours.		— 56 hours

Note: Choice of courses and subsequent course prerequisites may increase the length of this program.

*These courses have additional prerequisites as follows:

- 970:160 has prerequisite of 800:072 or 980:080.
- 810:114 has prerequisites of 810:052; 810:080.
- 870:123 has prerequisites of 800:060; 870:121.
- 970:155 has prerequisites of 970:028; 870:031 or consent of instructor.

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

Required:

Geography: 970:010; 970:026 (3 or 4 hrs.); 970:040; 970:061; 970:180; 970:181	.....	16-17 hours
Methods: one of the following	.....	3 hours
Mathematics: 800:072.		
Geography: 970:164.		
Sociology: 980:080.		
Electives in geography	.....	18 hours* 37-38 hours

*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 970:179 will count toward electives for the major.

Geography Major With Environmental Systems Emphasis

The Geography major with Environmental Systems 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Mathematics: <i>800:072</i>	3 hours
Geography: <i>970:010</i> or <i>970:040</i> ; <i>970:026</i> (4 hrs.); <i>970:028</i> ; <i>970:127</i> ; <i>970:155</i> ; <i>970:164</i> ; <i>970:173</i> ; <i>970:180</i> ; <i>970:181</i> ; <i>970:185</i>	29 hours
Landscape Analysis electives	12 hours
Earth Science: <i>870:141</i> . Geography: <i>970:100</i> , <i>970:126</i> , <i>970:129</i> , <i>970:137</i> .	
Geographic Information Science electives	3 hours
Geography: <i>970:174</i> , <i>970:175</i> .	
	— 47 hours

Geography Major With Geographic Information Science Emphasis

The Geography major with Geographic Information Science 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Geography: <i>970:010</i> ; <i>970:026</i> (4 hrs.); <i>970:061</i> ; <i>970:163</i> ; <i>970:164</i> ; <i>970:165</i> ; <i>970:173</i> ; <i>970:174</i> ; <i>970:180</i> ; <i>970:181</i>	29 hours
One of the following	3 hours
Mathematics: <i>800:072</i> . Sociology: <i>980:080</i> .	
Two courses from the following	6 hours
Computer Science: <i>810:030</i> , <i>810:114</i> . Geography: <i>970:160</i> , <i>970:175</i> .	
Two courses from the following	6 hours
Geography: <i>970:114</i> , <i>970:117</i> , <i>970:119</i> , <i>970:121</i> , <i>970:126</i> , <i>970:129</i> , <i>970:137</i> , <i>970:151</i> , <i>970:168</i> .	
	— 44 hours

Geography Major With Urban and Regional Spatial Analysis Emphasis

The Geography major with Urban and Regional Spatial Analysis 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Geography core: 970:010; 970:026 (3 or 4 hrs.); 970:164; 970:170; 970:180; 970:181	16-17 hours
Methods: one of the following	3 hours
Mathematics: 800:072.	
Sociology: 980:080.	
Intermediate Systematic Geography	15 hours
At least 9 hours of the 15 hours required must come from one of the following three concentrations. Up to 6 hours in cognate courses may be taken with approval.	
Urban and Regional Planning:	
970:104, 970:114, 970:117, 970:168, 970:179, 970:186*, 970:151 or 970:186*.	
Regional Economic Development and Business Geographics:	
970:101, 970:117, 970:119, 970:121, 970:141, 970:168, 970:179, 970:111 or 970:116 or 970:151 or 970:186*.	
Environmental Management:	
970:100, 970:126, 970:127, 970:129, 970:137, 970:168, 970:179.	
Electives in Geography	9 hours
	43-44 hours

*970:186 *Studies In* courses require department approval for applicability to the major concentration.

Geography Major-Teaching (*Extended Program*)

The Geography-Teaching major requires a minimum of 129-135 total hours to graduate (depending on the minor chosen). This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 129-135 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Social Science: 900:190; 900:191	4 hours
Geography: 970:010; 970:026 (4 hrs.); 970:040; 970:061; 970:141; 970:171 or 970:180	19 hours
Electives in geography	<u>15</u> hours*
	38 hours

A teaching minor is required in one of the social sciences.

*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 970:179 will count toward electives for the major.

Minors

Geography Minor-Liberal Arts

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

Required:

Geography: <i>970:010</i> or <i>970:040</i> ; <u>970:026</u> (4 hrs.)	7 hours
Electives in geography	12 hours*
	19 hours

*Only 3 hours of credit in 970:179 will count toward electives for the minor.

Geography Minor-Teaching

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

Required:

Social Science: 900:190; 900:191	0-4 hours
Geography: <i>970:010</i> or <i>970:040</i> ; <u>970:026</u> (4 hrs.); 970:141	10 hours
Electives in geography	15 hours*
	25-29 hours

*Only 3 hours of credit in 970:179 will count toward electives for the minor. Students must add 900:190 and 900:191 to the above requirements, unless already taken in the major.

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/default.aspx.

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

The major in Geography is available on the **thesis** and **non-thesis** options. A **minimum of 32 semester hours**, including 6 hours 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 970:299. A **minimum of 38 semester hours**, including 3 hours 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:	
970:202 (1 hr.; must be taken twice)	2 hours
970:280; 970:294	6 hours
970:299	6 hours
Electives	18 hours
(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 970:298; additional hours of 970:299 cannot count toward the minimum 18 elective hours)	
	— 32 hours

Non-Thesis Option:

Required geography:	
970:202 (1 hr.; must be taken twice)	2 hours
970:280; 970:294; 970:298	9 hours
Electives	27 hours
(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 970:299)	
	— 38 hours

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: 970:164; 970:165; 970:174 9 hours

Electives 6 hours

Two courses selected from:

Geography: 970:160, 970:163, 970:173, 970:175.

—
15 hours

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

Graduate Major (Ed.D.)

Doctor of Education: Rehabilitation Studies intensive study area

Division of Health Promotion and Education -

Undergraduate Majors (B.A.)

Health Education-Teaching

Health Promotion

Minors

Health Education-Teaching

Health Promotion

Graduate Major (M.A.)

Health Education

Graduate Major (Ed.D.)

Doctor of Education: Community Health Education intensive study area

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
Dance
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

Minors

Leisure, Youth and Human Services
Youth Services Administration

Graduate Major (M.A.)

Leisure, Youth and Human Services

Graduate Major (Ed.D.)

Doctor of Education: Leisure, Youth and Human Services intensive study area

Program Certificates

Aquatics Specialization Certificate
Nonprofit Management and American Humanics 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/athtrn.
2. A student's freshman year shall be devoted primarily to completing the prerequisite core in Athletic Training (42T:023). 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. *Introduction to Athletic Training* grade (42T:023);
 - 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 42T:023.
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.
 1. 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.)
 2. 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.
 - h. 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/athtrn.

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

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: 42T:023 (or the equivalent) 2 hours

Required core:

Biology: 840:101*; 840:102 8 hours

Physical Education: 420:153**; 420:157*** 6 hours

Athletic Training: 42T:024 (or the equivalent); 42T:028; 42T:033;
42T:034; 42T:110; 42T:134; 42T:135; 42T:137; 42T:138;
42T:140 (6-12 hrs. - minimum 6 hrs. but may be repeated for
maximum of 12 hrs., over four to six semesters); 42T:143;
42T:144; 42T:157; 42T:158; 42T:162; 42T:165; 42T:170;
42T:175 37-43 hours

53-59 hours

*840:101 prerequisites are not required for Athletic Training majors.

**420:153 prerequisite is satisfied by 420:050 or 42T:028 for Athletic Training majors.

***420:157 prerequisite is satisfied by 42T:028 for Athletic Training majors.

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.

Admission is competitive and based upon undergraduate grade point average, recommendations, and interview results. Once admitted, each student will be required to complete the program of study as well as the clinical component of the program. All additional requirements and information are available at the Division of Athletic Training 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/default.aspx.

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

This degree is offered on a **thesis** and **non-thesis** option. A **minimum of 36 semester credit hours** is required. A **minimum of 21 semester hours at the 200/6000-level is required for both the thesis and non-thesis options.**

Required:

Measurement and Research: 250:180	3 hours
Athletic Training: 42T:210; 42T:220; 42T:230; 42T:240; 42T:250; 42T:260; 42T:270; 42T:289 (8 hrs.)	22 hours
Physical Education: 420:289	2 hours
Health, Physical Education and Leisure Services, Interdepartmental: 440:290	3 hours
Research: 420:299	2 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	

Electives

Thesis option (0 hrs.)	
Non-thesis option (4 hrs.)	
Common Electives: 420:200; 420:222; 420:251; 420:253; 420:255; 420:260; 420:271.	
	— 36 hours

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.**

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 six 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 six areas of intensive study provide for a specialized focus on practice. The six intensive study areas are: *Community Health Education, Curriculum and Instruction, Educational Leadership, Leisure, Youth and Human Services, Rehabilitation Studies, 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 six areas refer to respective departments.**

The **Rehabilitation Studies** intensive study area is designed to prepare Certified Athletic Trainers and/or other Allied Health professionals to plan, implement, evaluate, and supervise educational programs as well as develop a scholarly agenda. Graduates will be prepared for careers as athletic training program directors, clinical coordinators, applied scholars, and practicing clinicians. This program focuses on a holistic approach of preparing students by including administration, education, and rehabilitation studies within the curriculum. (For more information, contact the Chair of the Division of Athletic Training within 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 Division of Athletic Training for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx. For requirements concerning admission, candidacy, scholarship, residence, examinations, dissertation, and graduation for the Doctor of Education degree refer to appropriate sections of this University atalog.

Program Requirements

I. Professional Common Core (15 hours)

Education Foundations	3 hours
Interdepartmental, Education: 190:301.	
Research:	
Interdepartmental, Education: 190:303; 190:305; 190:307	9 hours
Measurement and Research: One of the following -	
250:270, 250:300, 250:301, 250:310	3 hours

II. Advanced Professional Studies (38 hours)

Requirements for the Rehabilitation Studies intensive study area:

Athletic Training Core:

42T:270 (2 hrs.); 42T:301 (3 hrs.); 42T:310 (3 hrs.)	8 hours
Seminar in Athletic Training: 42T:289 (Seminar: Outcomes, 2 hrs.;	
Seminar: Epidemiology, 2 hrs.; Seminar: Kinesmetrics in Athletic	
Training Research, 2 hrs.; Community Building and	
Leadership, 2 hrs.)	8 hours
Practicum: 42T:297	4 hours

Track (select two)	12-14 hours
1. Evidence Based Practice	
42T:230 (2 hrs.); 42T:240 (2 hrs.); 42T:260 (2 hrs.).	
2. Orthopedic Assessment	
42T:210 (2 hrs.); 42T:220 (2 hrs.); 42T:250 (2 hrs.).	
3. Exercise Science	
420:253 (3 hrs.); 420:260 (2 hrs.); 420:271 (3 hrs.).	
Electives	4-6 hours

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: 190:389	1 hour
Dissertation Research: 190:399	<u>6</u> hours

60 hours

Division of Health Promotion and Education

Bachelor of Arts Degree Programs

Health Education Major-Teaching

The Health 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Current First Aid and CPR certification is required of all major students prior to student teaching.

Required:

Educational Psychology: 200:118; 200:151	6 hours
Measurement and Research: 250:180 or	
Mathematics: <i>800:072</i>	3 hours
Design, Textiles, Gerontology, & Family Studies: 31F:057	3 hours
Psychology: 400:170 or	
Social Work: 450:171	3 hours
Health Promotion and Education: 410:005; 410:140; 410:144; 410:151; 410:153; 410:163; 410:164; 410:178	19 hours
Health Promotion and Education: 410:112 or	
Physical Education: 420:050	3 hours
Electives to be chosen from the following list	<u>3</u> hours
	40 hours

Educational Psychology: 200:116.

Measurement and Research: 250:181.

Design, Textiles, Gerontology, & Family Studies: 31F:010, 31F:020, 31F:055,
31F:155, 31F:157, 31F:178.

Health Promotion and Education: 410:020, 410:147, 410:155,
410:162.

Physical Education: 420:153.

Social Work: 450:102.

World Religions/Philosophy: *640:194/650:194/CAP:194*.

Health Promotion Major

The Health Promotion major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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 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: 410:110; 410:112; 410:145*; 410:153**;
410:156**; 410:163; 410:165; 410:176** 24 hours

Choose one of the following 4 options:

- Option 1 (33 hours)
- Option 2 (31 hours)
- Option 3 (29-30 hours)
- Option 4 (44-47 hours)

Total hours for option 1 57 hours
Total hours for option 2 55 hours
Total hours for option 3 53-54 hours
Total hours for option 4 68-71 hours

*This course has additional prerequisites as follows:

410:145 has a prerequisite of 250:180 or 800:072. 800:072 may be used to satisfy Category 1C of the Liberal Arts Core.

**410:153, 410:156, and 410:176 not required for Option 4, Environmental Health.

Option 1 - Health and Fitness Promotion (33 hours)

Required:

Health Promotion and Education: 410:005; 410:118; 410:131; 410:151;
410:155; 410:164; 410:168 (12 hrs.).
Physical Education: 420:050; 420:153; 420:156.

Option 2 - Women's Health (31 hours)

Required: (28 hours)

Health Promotion and Education: 410:005; 410:020; 410:128; 410:151;
410:162; 410:168 (12 hrs.); 410:178.

Electives: (3 hours from the following)

Design, Textiles, Gerontology, & Family Studies: 31F:057, 31F:155^,
31F:157^.

Psychology: 400:060^.

Health Promotion and Education: 410:125.

Leisure, Youth and Human Services: 430:151.

Communication Studies: 48C:142^, 48C:153.

Humanities: 680:040.

Social Science: 900:020, 900:045.

History: 961:146.

Sociology: 980:167^.

^These courses in Option 2 have additional prerequisites as follows:
 31F:155 has prerequisite of 31F:020; 200:030 or 31F:055 or 400:120.
 31F:157 has prerequisite of 31F:057; 3 hours social science research methods.
 400:060 has prerequisite of 400:001.
 48C:142 has prerequisite of 48C:004.
 980:167 has prerequisite of 400:001 or 980:001 or 990:011.

Option 3 - Global Health and Health Disparities (29-30 hours)

Required:

Health Promotion and Education: 410:005; 410:138; 410:147; 410:151;
 410:161; 410:167; 410:168 (12 hrs.); 410:178.

Electives: (select 3 hours from the following):

Health Promotion and Education: 410:020, 410:125, 410:152/CAP:152.
 Social Work: 450:163.
 Communication Studies: 48C:151.
 Anthropology: 990:164, 990:167, 990:168.

Option 4 - Science Intensive: Environmental Health (44-47 hours)

This interdisciplinary emphasis is recommended for students who wish to prepare for careers as environmental health professionals as it provides experiences in the sciences and health areas. It also provides preparation for post-graduate study in the field of environmental health or public health.

Required: (33-34 hours)

Health Promotion and Education: 410:005; 410:166; 410:168 (6 hrs.); 410:180#.
 Biology: 840:051; 840:052; 840:151.
 Chemistry and Biochemistry: 860:044 and 860:048, or 860:070 and 860:063.

Electives: (select 11-13 hours from the following)

Health Promotion and Education: 410:020, 410:138, 410:147, 410:152/CAP:152,
 410:164, 410:178.
 Biology##: 840:140, 840:147, 840:150, 840:155, 840:168, 840:170, 840:180#.
 Chemistry and Biochemistry##: 860:132.
 Earth Science: 870:031, 870:171.

#These courses in Option 4 have additional prerequisites as follows:

410:180 has prerequisite of 250:180 or 800:072. 800:072 may be used to satisfy Category 1C of the Liberal Arts Core.

840:180 has prerequisites 840:100 and 840:140.

##These courses can be satisfied with appropriate selection of courses for completing the Biology minor.

Minors

Health Education Minor-Teaching

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

Current First Aid and CPR certification is required of all minors prior to student teaching.

Required:

Educational Psychology: 200:118	3 hours
Design, Textiles, Gerontology, & Family Studies: 31F:057	3 hours
Psychology: 400:170	3 hours
Health Promotion and Education: 410:135 (for K-8 endorsement) or 410:140 (for 5-12 endorsement); 410:005; 410:112; 410:144; 410:151; 410:163; 410:164	<u>16</u> hours 25 hours

Health Promotion Minor

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

Required:

Health Promotion and Education: 410:005; 410:110; 410:145*; 410:153; 410:156; 410:163*; 410:164; 410:176	<u>21</u> hours 21 hours
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*These courses have additional prerequisites as follows:

410:145 has prerequisite of 250:180 or 800:072. 800:072 may be used to satisfy Category 1C of the Liberal Arts Core.

410:163 has prerequisite of 410:112 or both 840:101 and 840:102.

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

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

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 410:299. The **non-thesis** option requires a research paper for 2 hours credit 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:

Management: 150:130	3 hours
Measurement and Research: 250:180 or Health, Physical Education, and Leisure Services, Interdepartmental: 440:210 or 440:215	3 hours
Measurement and Research: 250:205 or Health, Physical Education, and Leisure Services, Interdepartmental: 440:290	3 hours
Health Promotion and Education: 410:131; 410:166; 410:271; 410:290; 410:293	15 hours
Health Promotion Graduate Seminar: 410:289	1 hour
Physical Education: 420:253	3 hours
Research: 410:299	2 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	
	—
	Thesis option 34 hours
	Non-thesis option 30 hours

II. Community Health Education Emphasis

Required:

Health Promotion and Education: 410:131; 410:165; 410:167; 410:220; 410:290; 410:293	16 hours
Measurement and Research: 250:205 or Health, Physical Education, and Leisure Services, Interdepartmental: 440:290	3 hours
Health Promotion Graduate Seminar: 410:289 (1 hr. each for two semesters)	2 hours
Electives as approved by the Graduate Committee: (including 6 hrs. 410:299 required for the thesis option; 2 hrs. 410:299 required for the non-thesis option)	<u>12</u> hours
	33 hours

III. School Health Education Emphasis

Required:

Health Promotion and Education: 410:131; 410:290	6 hours
Measurement and Research: 250:205 or Health, Physical Education, and Leisure Services, Interdepartmental: 440:290	3 hours
Health Promotion Graduate Seminar: 410:289 (1 hr. each for two semesters)	2 hours

Electives as approved by the Graduate Committee:

(including 6 hrs. 410:299 required for the thesis option; 2 hrs. 410:299 required for the non-thesis option)	<u>21</u> hours 32 hours
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The additional course requirements for this emphasis will be governed largely by teacher licensure requirements.

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.**

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 six 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 six areas of intensive study provide for a specialized focus on practice. The six intensive study areas are: *Community Health Education, Curriculum and Instruction, Educational Leadership, Leisure, Youth and Human Services, Rehabilitation Studies, 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 six areas refer to respective departments.**

The **Community Health Education** intensive study area is designed to equip community health promotion and public health education professionals for positions of leadership in applied community and public health education settings. Graduates of the program are prepared for careers in applied academic settings including (but not limited to) allied health and nursing colleges, universities with a focus on teaching, and liberal arts colleges, as well as leadership positions in major community and public health organizations such as county, state, and national departments of public health, and government and non-government health organizations. (For more information, contact the Chair, Health Promotion and Education Division, 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 Division of Health Promotion and Education for any other admission requirements. Graduate information and application for graduate admission can be found at

www.grad.uni.edu/admission/default.aspx. For requirements concerning admission, candidacy, scholarship, residence, examinations, dissertation, and graduation for the Doctor of Education degree refer to appropriate sections in this University Catalog.

Program Requirements

I. Professional Common Core (15 hours)

Education Foundations	3 hours
Interdepartmental, Education: 190:301.	
Research:	
Interdepartmental, Education: 190:303; 190:305; 190:307	9 hours
Measurement and Research: One of the following -	
250:270, 250:300, 250:301, 250:310	3 hours

II. Advanced Professional Studies (38 hours)

Requirements for the Community Health Education intensive study area:

Community Health Education Core (21 hours)	
410:220 (3 hrs.); 410:290 (3 hrs.); 410:293 (3 hrs.); 410:319 (3 hrs.);	
410:320 (3 hrs.)	15 hours
Seminar: 410:389 (6 semesters)	6 hours

Track (select one) (17 hours)

A. Postsecondary Health Education

Postsecondary Education: Student Affairs: 170:222 or 170:231;	
170:260	6 hours
Internship (teaching): 410:295	2 hours
Practicum (teaching): 410:397	3 hours
Electives	6 hours

B. Community and Public Health Education

Political Science: 942:153 or 942:173	3 hours
Leisure, Youth and Human Services: 430:253	3 hours
Internship (public health): 410:295	2 hours
Practicum (public health): 410:297	3 hours
Electives	6 hours

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: 190:389	1 hour
Dissertation Research: 190:399	<u>6</u> hours

60 hours

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: 410:165/830:165; 410:166/830:166	6 hours
Health Promotion: 410:163	3 hours
Electives: 6 hours chosen from either or both of the following categories	6 hours
	15 hours

I. Public Health Focus Area

Health Promotion and Education: 410:110 or 410:293; 410:145; 410:162;
410:176; 410:178.
Biology: 840:147.

II. Environmental Sciences Focus Area

Environmental Science: 830:200; 830:235.
Biology: 840:151; 840:155; 840:167.

Certificate in Global Health and Health Disparities

Required:

Health Promotion and Education: 410:138; 410:147; 410:161; 410:167; 410:197	9-11 hours
Electives selected from the following	6 hours
Leisure Services: 430:030.	
Social Work: 450:142.	
Communication: 48C:151.	
Social Science: 900:041.	
Political Science: 943:024, 943:125.	
Sociology: 980:045.	
Anthropology: 990:011, 990:164, 990:167, 990:168, 990:177.	
	15-17 hours

Division of Physical Education

Bachelor of Arts Degree Programs

Movement and Exercise Science Major

The Movement and Exercise Science major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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 420:050. The student must maintain a cumulative 2.50 GPA in the major.

Required core:

Athletic Training: 42T:018	2 hours
Physical Education: 420:050; 420:053; 420:056; 420:121; 420:151; 420:153; 420:162	19 hours
Physical Education: minimum of 6 hours from 420:191, 420:193, 429:194, 420:197	6 hours
Choose one of the following emphases	<u>12</u> hours
	39 hours

Emphasis 1 - Exercise Science

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.

Physical Education: 420:155; 420:156; 420:157; 420:186 (3 hrs.)	12 hours
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Emphasis 2 - Sport Psychology

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.

Athletic Training: 42T:019	1 hour
Physical Education: 420:122; 420:154	4 hours
Physical Education: minimum of 7 hours from 420:025, 420:155, 420:156, 420:186 (may be repeated for up to 7 hours)	<u>7</u> hours
	12 hours

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

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: 420:050; 420:053; 420:056; 420:121;
420:151; 420:153; 420:162 19 hours

Pedagogical content:

Physical Education: 420:152*; 420:173; 420:174*; 420:176 14 hours

Skill and Activity content:

Physical Education: 420:011; 420:013; 420:015; 420:016; 420:017;
420:021 10 hours
43 hours

*Students with a major in Physical Education-Teaching will substitute 420:152 for 220:150 and 420:174 for 250:150 in the Professional Education Requirements.

Minors

Coaching Minor

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

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: 200:030 3 hours

Athletic Training: 42T:018; 42T:019 3 hours

Physical Education: 420:024; 420:025; 420:118; 420:122; 420:127 10 hours

Electives from the following 4-6 hours

Physical Education: 420:101, 420:102, 420:104, 420:107, 420:108,
420:111, 420:112, 420:113.

_____ hours
20-22 hours

Note: Students in teaching majors will complete 200:030 within the Professional Education Requirements. 420:118 (Practicum) must be completed prior to student teaching.

Dance Minor

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

Required activities:

Physical Education: 420:A07 Beginning Ballet or 420:A52
Intermediate Ballet; 420:A13 Beginning Jazz or 420:A57
Intermediate Jazz; 420:A08 Beginning Ballroom Dance or
420:A09 Intermediate Ballroom Dance; 420:A11 Beginning
Modern Dance or 420:A12 Intermediate Modern Dance;
420:A10 Beginning International Folk Dance; 420:A64 Tap Dance;
420:013 Fundamentals of Dance (2 hrs.) 8 hours

Required theory:

Physical Education: 420:024; 420:034 6 hours

Electives in Dance:

Physical Education: at least 4 hours must be from the following four
courses - 420:131, 420:132, 420:135, 420:140; 420:168 6 hours

Electives 3 hours

Selected to complement student's interest with the approval of the dance
minor advisor from the following areas:

Art; Communication Studies; Design, Textiles, Gerontology, & Family Studies;
Health; Humanities; Instructional Technology; Music; Physical
Education; Leisure, Youth and Human Services. Required courses from
a student's major may not be included.

—
23 hours

Physical Education Minor-Elementary Teaching

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

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: 420:013; 420:016 (Soccer); 420:021*; 420:050;
420:056; 420:140; 420:151; 420:152;
420:153; 420:173 (2 hrs.) 22 hours

Electives 4 hours

Physical Education: 420:013, 420:015, 420:016, 420:053,
420:132, 420:140, 420:174, 420:176.

—
26 hours

*420:021 will substitute for 420:045 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 any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

The Graduate Record Examination (General Test) **is not** required 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 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 Research 420:299. Total hours for the non-thesis option includes 2 hours of 420:299 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: 250:205 or Health, Physical Education, and Leisure Services, Interdepartmental: 440:210 or 440:215; 440:290	6 hours
Physical Education: 420:230; 420:231; 420:273	9 hours
Physical Education: 420:297	3 hours
Research: 420:299	2 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	
Electives approved by the advisor	6 or 10 hours
Thesis option (6 hrs.)	
Non-thesis option (10 hrs.)	
	<hr/> 30 hours

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 420:299 credit, must be at the 200/6000-level.**

Exercise Science and Sports Performance Focus:

Required:

Physical Education: 420:251; 420:253; 420:260	8 hours
Health, Physical Education, and Leisure Services, Interdepartmental: 440:210 (or equivalent); 440:290	6 hours
Physical Education: 420:289 (6 hrs. with advisor approval)	6 hours
Research: 420:299	2 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	
Electives approved by the advisor	4 or 8 hours
Thesis option (4 hrs.)	
Non-thesis option (8 hrs.)	
	— 30 hours

Sport and Exercise Psychology Focus:

Required:

Physical Education: 420:222; 420:251; 420:255; 420:273	12 hours
Health, Physical Education, and Leisure Services, Interdepartmental: 440:210 (or equivalent); 440:290	6 hours
Physical Education: 420:285 or 420:289 or 420:293	3 hours
Research: 420:299	2 or 6 hours
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	
Electives approved by the advisor	3 or 7 hours
Thesis option (3 hrs.)	
Non-thesis option (7 hrs.)	
	— 30 hours

Division of Leisure, Youth and Human Services

Academic Policies

Major Requirements

The following criteria shall be used to determine student eligibility for the Leisure, Youth and Human Services major:

1. 2.00 or above cumulative UNI GPA.
2. A grade of C (2.00) or higher in all courses applied to the major. If the student earns less than a C in a major course, s(he) must retake the course within two semesters in order to apply it to the major.

Within one semester after full admission to the major, students must file an approved undergraduate Program of Study, including all electives to be taken for the major.

In order to remain in good academic standing, students must maintain a cumulative major GPA of 2.50 or above. Students whose GPAs fall below 2.50 will have one semester in which to raise grades to the required level. If they are unable to do so, they must retake the course or courses that caused the GPA to fall below 2.50, and they will be administratively dropped from any other major courses for which they have registered.

In order to be eligible for internship and graduation, students must:

1. Meet the academic criteria above.
2. Complete a minimum of 500 Professional Experience hours in Leisure, Youth and Human Service settings.
3. Hold or obtain current certification in American Red Cross CPR PRO (Professional Rescuer), American Red Cross AED (Automatic External Defibrillation), American Red Cross First Aid, American Red Cross PDT (Prevention of Disease Transmission), and Child/Dependent Adult Abuse Mandatory Reporter Training.
4. Students are required to demonstrate computer competency prior to enrolling in seminar.

Minor Requirements

Admission to the Leisure, Youth and Human Services and Youth Services Administration minors requires students to have a cumulative UNI GPA of 2.00. To graduate with a minor in Leisure, Youth and Human Services 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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: 430:010; 430:020; 430:110;
 430:114; 430:121; 430:169; 430:184 (3 hrs.); 430:187 (12 hrs.);
 430:189 (2 hrs.) 35 hours

Students will work with their assigned advisor to develop an area of
 professional interest with appropriate corresponding LYHS
 supporting courses 21 hours
 56 hours

Minors

For Academic Policies regarding minors within the Division of Leisure, Youth and Human Services see Minor Requirements.

Leisure, Youth and Human Services Minor

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

Required:

Leisure, Youth and Human Services: 430:010; 430:020; 430:030; 430:110	12 hours
Electives (two of the following)	6 hours
Leisure, Youth and Human Services: 430:114, 430:121, 430:123, 430:168, 430:169, 430:172.	— 18 hours

Youth Services Administration Minor

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

Required:

Youth and Human Service Administration: 430:060; 430:114; 430:151; 430:154; 430:155	15 hours
Leisure, Youth and Human Services: 430:188	<u>2</u> hours
	17 hours

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

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

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 430:299 Research. The non-thesis option requires a minimum of 12 hours of 200/6000-level course work, including 3 hours of 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:

At least 9-12 credits of Research Methodology and Statistical Analysis, and Research paper/Thesis credits are required as follows:

Minimum of one research course (3 hrs.) from the following	3 hours
Health, Physical Education, and Leisure Services, Interdepartmental: 440:215, 440:290. Sociology: 980:160, 980:201.	
Minimum of one Statistical Analysis course (3 hrs.) from the following	3 hours
Measurement and Research: 250:180. Health, Physical Education, and Leisure Services, Interdepartmental: 440:210 Sociology: 980:260.	
Research: 430:299	3 or 6 hours
Thesis option (6 hrs.) Non-thesis option (3 hrs.)	
Six hours from the following	6 hours
Leisure, Youth and Human Services: 430:240; at least one of the following - 430:201; 430:202.	
Eighteen graduate hours of 420:xxx/5xxx/6xxx, 430:xxx/5xxx/6xxx, 440:xxx/5xxx/6xxx or other graduate level courses on campus as approved by advisor	<u>18</u> hours
	Thesis option <u>36</u> hours
	Non-thesis option 33 hours

Note: Students interested in pursuing a doctorate in Leisure, Youth and Human Services should refer to Doctor of Education degree.

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.**

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 six 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 six areas of intensive study provide for a specialized focus on practice. The six intensive study areas are: *Community Health Education, Curriculum and Instruction, Educational Leadership, Leisure, Youth and Human Services, Rehabilitation Studies, 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 six areas refer to respective departments.**

The **Leisure, Youth and Human Services** intensive study area is designed to interpret and apply youth development models and concepts as well as nonprofit administrative practices to the planning, management, supervision and evaluation of informal education programs in the community. Graduates are prepared for careers as applied scholars, administrators of community nonprofit organizations, youth serving agencies, public parks and recreation, foundations, and government agencies. Program of study will be based upon student's needs, interests, and upon approval by academic advisor and program of study committee. (For more information, contact the Chair, Leisure, Youth and Human Services Division, School of Health, Physical Education, and Leisure Services.)

The Graduate Record Examination (General Test) **is not** 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 Division of Leisure, Youth and Human Services for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx. 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 hours
 Interdepartmental, Education: 190:301.

Research:

Interdepartmental, Education: 190:303; 190:305; 190:307 9 hours
 Measurement and Research: One of the following -
 250:270, 250:300, 250:301, 250:310 3 hours

II. Advanced Professional Studies (38 hours)

Requirements for the Leisure, Youth and Human Services intensive study area:

Required:

Leisure, Youth and Human Services: 430:202; 430:240; 430:310;
 430:312 12 hours
 Leisure, Youth and Human Services Seminar: 430:329 (1 hour each
 for six semesters) 6 hours

Electives:

Leisure, Youth and Human Services 20 hours
 Working with the advisor, students will select 20 hours of
 course work on their program of study (six of these hours must be
 outside of LYHS).

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: 190:389 1 hour
Dissertation Research: 190:399 6 hours
 60 hours

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: 420:011; 420:060; 420:061; 420:120	7 hours
Leisure, Youth and Human Services: 430:010; 430:110	6 hours
Electives: 5 hours, as approved by advisor, selected from the following	5 hours
Physical Education: 420:A39 (Canoeing, 1 hr.), 420:A66 (Skin and Scuba Diving, 2 hrs.), 420:168 (1 hr.), 420:186 (<i>Studies in Small Craft Safety/Water Rescue</i> , 1 hr.), 420:186 (<i>Studies in Physical Education: Lifeguard Instructor Training</i> , 1 hr.)	
Leisure, Youth and Human Services: 430:168 (3 hrs.)	
Health, Physical Education, and Leisure Services, Interdepartmental: 440:186 (<i>Studies in Legal Issues in Health, Physical Education, Leisure, Youth and Human Services</i> , 3 hrs.)	
	— 18 hours

Nonprofit Management and American Humanics Certificate

This certificate provides knowledge, skill-building and professional experience for students interested in working in the nonprofit sector. Earning this certificate at UNI also enables students to earn a national certificate in Nonprofit Management from American Humanics, Inc.

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: 430:060; 430:114; 430:151; 430:154	12 hours
Leisure Services Internship: 430:187	8 hours
Nonprofit Leadership Practicum: 430:188	<u>2</u> hours
	22 hours

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

Required:

Humanities: those 3 hours of Humanities (either *680:021*, *680:022*,

or *680:023*) not used to fulfill the 6-hour Liberal Arts

Core curriculum requirement in Category 2A.* 3 hours

History: 960:010 and 960:011 (corequisites) (these courses must be taken

immediately after major is declared); 961:014; 961:015 (961:014 and

961:015 must be taken by the end of the sophomore year); 960:192. 13 hours

Electives in history (must be 100/3000/4000-level) 27 hours

To include:

European history - 12 hours

Must include one course from Category A (962:101, 962:103,

962:123, 962:126, 962:151, 962:152, 962:153, 962:158, 962:164,

962:171), and one course from Category B (963:153, 963:154,

963:155, 963:157, 963:160, 963:161, 963:165,

963:169, 963:170, 963:172, 963:174, 963:188).

Non-Western history - 6 hours

964:127, 964:128, 964:174, 964:175, 964:176, 964:178,

964:180, 964:181, 964:182, 964:183, 964:187.

—
43 hours

*All History majors must successfully complete Category 2A of the Liberal Arts Core.

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

Required:

Social Science: 900:190; 900:191	4 hours
Humanities: those 3 hours of Humanities (either <i>680:021</i> , <i>680:022</i> , or <i>680:023</i>) not used to fulfill the 6-hour Liberal Arts Core curriculum requirement in Category 2A.*	3 hours
History: 960:010 and 960:011 (corequisites) (these courses must be taken immediately after major is declared); 961:014; 961:015 (961:014 and 961:015 must be taken by the end of the sophomore year); 960:192	13 hours
Electives in history (must be 100/3000/4000-level)	24 hours
To include:	
European history - 9 hours	
Must include one course from Category A (962:101, 962:103, 962:123, 962:126, 962:151, 962:152, 962:153, 962:158, 962:164, 962:171) and one course from Category B (963:153, 963:154, 963:155, 963:157, 963:160, 963:161, 963:165, 963:169, 963:170, 963:172, 963:174, 963:188).	
Non-Western history - 6 hours	
964:127, 964:128, 964:174, 964:175, 964:176, 964:178, 964:180, 964:181, 964:182, 964:183, 964:187.	
United States history - 9 hours	
	— 44 hours

The History major may consider a minor in at least one other social science discipline.

*All History majors must successfully complete Category 2A of the Liberal Arts Core.

Minors

History Minor

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

Electives in history (12 hours must be 100/3000/4000-level)

18 hours

Note: 961:015 and one European history course from Category B (963:153, 963:154, 963:155, 963:157, 963:160, 963:161, 963:165, 963:169, 963:170, 963:172, 963:174, 963:188) 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 any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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

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 15 hours of 200/6000-level course work, including a total of 6 hours of 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 12 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/default.aspx.

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.

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: 960:280; 960:290	6 hours
Seminar: 960:289 (for students choosing American History as primary field) OR 960:2xx/6xxx (for students choosing European or Non-Western History as primary field)	3 hours
Research: 960:299	6 hours
Electives: (may take one course, up to 3 hours, outside the field of history)	<u>15</u> hours
	30 hours

Non-Thesis Option:

Required:

History: 960:280; 960:290	6 hours
Seminar: 960:289 (for students choosing American History as primary field) OR 960:2xx/6xxx (for students choosing European or Non-Western History as primary field)	3 hours
History: 960:2xx/6xxx	3 hours
Electives: (may take one course, up to 3 hours, outside the field of history)	<u>18</u> hours
	30 hours

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 15 hours of 200/6000-level course work (including 6 hours of 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: 960:106; 960:280; 960:290	9 hours
Internship: 960:132	6 hours
Seminar: 960:289	3 hours
Research: 960:299	6 hours
Electives	<u>6</u> hours
	30 hours

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: 960:106	3 hours
Two history courses at the 100/3000-level or above	6 hours
Two semesters of 960:132 or 960:179	6 hours
	15 hours

Department of Industrial Technology

(College of Natural Sciences*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

www.uni.edu/indtech

The Department of Industrial Technology offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Industrial 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.I.T.)

- Doctor of Industrial 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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 sciences/construction: 330:018; 330:025; 330:045;
 330:072; 330:080; 330:096; 330:100;
 330:124; 330:125; 330:126; 330:128; 330:149; 330:153;
 330:154; 330:173; 330:175; 330:185 51 hours

Required:

Business and management:

Accounting: 120:030 3 hours
 Management: 150:080; 150:101; 150:145 9 hours
 Economics: 920:020*; 920:024 6 hours

Mathematics and science:

Mathematics: 800:060; 800:072 7 hours
 Chemistry and Biochemistry: 860:044 4 hours
 Physics: 880:054 4 hours
 84 hours

*920:020 has a prerequisite of 800:072 or equivalent. 800:072 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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.

Required mathematics and computer science core:

Mathematics: 800:046; 800:048 or 800:060; 800:064 or 800:072	11 hours
Computer Science: 810:036	3 hours
Physics: 880:054; 880:056	8 hours

Required technical core:

Industrial Technology: 330:037; 330:038; 330:039; 330:041; 330:042; 330:103; 330:104; 330:129; 330:152; 330:156; 330:157; 330:160; 330:164; 330:165; 330:166; 330:167; 330:174; 330:176	52 hours
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Required technical writing: 620:186 *Studies in Technical Writing* 3 hours
77 hours

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

Required mathematics and science core:

Mathematics: 800:048 or 800:060	4 hours
Chemistry and Biochemistry: 860:020 or 860:044	4 hours
Physics: 880:054 or 880:130	4 hours

Required technical core:

Industrial Technology: 330:017 or equivalent* (*equivalency requires approval by department)	0-3 hours
Industrial Technology: 330:008; 330:010; 330:023; 330:024; 330:043; 330:060; 330:072; 330:080; 330:112; 330:142; 330:187; 330:196; 330:197	36 hours

Concentration: choose one of the following three concentrations 18 hours
66-69 hours

Advanced Manufacturing: 330:113; 330:145; 330:147;
330:177; 330:180; 3 hours electives (see below).

Manufacturing Design: 330:113; 330:122; 330:135; 330:148;
330:155; 3 hours electives (see below).

Metal Casting: 330:127; 330:132; 330:134; 330:136; 330:137;
3 hours electives (see below).

Select elective hours from the following:

Industrial Technology: 330:017, 330:036, 330:037, 330:038, 330:113,
330:115, 330:119, 330:127, 330:131, 330:145, 330:177,
330:179 (3 hrs. maximum), 330:180, 330:183, 330:188, 330:192.

Management: 150:113, 150:119.

Communication: 48C:141, 48C:173.

Philosophy: 650:142.

Sociology: 980:102.

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

Required:

Management: 150:153 or	
Industrial Technology: 330:043	3 hours
Industrial Technology: 330:022; 330:055; 330:065; 330:070; 330:115; 330:144; 330:158; 330:161; 330:169; 330:179 (3 hrs.); 330:187; 330:194; 330:196	41 hours
Management options: 150:163 or 150:166 (if 150:153 taken) or 330:187 (if 150:153 or 330:043 taken)	
Mathematics: 800:046	4 hours
Computer Science: 810:020	3 hours

Electives:

One of the following	3-4 hours
Chemistry and Biochemistry: <i>860:010</i> or <i>860:020</i> or <i>860:044</i>	
OR	
Physics: <i>880:011</i> or <i>880:012</i> or <i>880:054</i> .	
Two of the following	6 hours
Industrial Technology: 330:150, 330:163.	
Art: 600:025, 600:125, 600:127.	

60-61 hours

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

Required:

Science core:	
Chemistry and Biochemistry: <i>860:020</i>	4 hours
Technology core:	
Industrial Technology: 330:017 or equivalent* (equivalency requires approval by department)	0-3 hours
Industrial Technology: 330:008; 330:010; 330:018; 330:022; 330:024; 330:036; 330:114 or 330:121	22 hours
Education and training core:	
Industrial Technology: 330:019; 330:120; 330:178; 330:190; 330:195	15 hours

Electives in industrial technology: (choose from construction and energy and power)	9 hours
	50-53 hours

Note: Students in Technology Education Major-Teaching will be waived from 240:020 of the Professional Education Requirements. A student changing majors to a different teaching major would be required to complete 240:020.

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

Required:

Industrial Technology: 330:017 or equivalent* (*equivalency requires approval by department)	0-3 hours
Industrial Technology: 330:008; 330:018; 330:022; 330:024; 330:036; 330:065; 330:114; 330:119; 150:153 or 330:043 or 330:131; 330:142; 330:187; 330:196	37 hours
Mathematics: 800:072	3 hours
Chemistry and Biochemistry: 860:010 or 860:020 or 860:044	4 hours
Physics: 880:011 or 880:012 or 880:054	3-4 hours
Electives in industrial technology	<u>18</u> hours
	65-69 hours

Combined B.A./M.S. or B.S./M.S. - Technology

Students with majors in an Industrial 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/default.aspx.

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)

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

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:

Industrial Technology: 330:037; 330:038; 330:039; 330:041; 330:042; 330:164 . . .	18 hours
Mathematics: 800:048 or <i>800:060</i>	4 hours
Computer Science: 810:030 or 810:036	3 hours
Physics: <i>880:054</i> or <i>880:130</i>	<u>4</u> hours
	29 hours

Graphic Technologies Minor

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

Required:

Industrial Technology: 330:022; 330:055; 330:070; 330:161; 330:196	17 hours
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Electives: two courses from the following:

Industrial Technology: 330:144, 330:150, 330:158, 330:163, 330:169, 330:194	<u>6</u> hours
	23 hours

Manufacturing Technology Design Minor

Available to all UNI majors except Manufacturing Technology majors.

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

Required:

Industrial Technology: 330:017; 330:023; 330:024; 330:122; 330:135	15 hours
Mathematics and Science: 800:048 or <i>800:060</i> ; <i>860:020</i> or <i>860:044</i> ; <i>880:054</i> or <i>880:130</i>	<u>12</u> hours
	27 hours

Technology Education Minor-Teaching

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

Required:

Industrial Technology: 330:017 or equivalent* (*equivalency requires approval by department)	0-3 hours
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Industrial Technology: 330:008; 330:010; 330:018; 330:019; 330:022; 330:024; 330:036; 330:190; 330:195	28 hours
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Electives in industrial technology: (choose from construction or energy and power)	<u>3</u> hours
	31-34 hours

Technology Management Minor

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

Required:

Industrial Technology: 330:119; 150:153 or 330:043 or 330:131; 330:142; 330:187; 330:196	15 hours
Mathematics: <i>800:072</i>	3 hours
Electives in industrial technology	<u>6</u> hours
	24 hours

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 Industrial Technology for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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

This major requires as a prerequisite a bachelor's degree with a major in technology, technology education, engineering, or related technical fields. This major offers several technical emphases: A. Industrial Management; B. Construction Management; C. Electrical Engineering Technology; D. Graphic Communication; E. Manufacturing Materials; F. Manufacturing Technology; and G. Technology Education and Training. Degree admission to the Master of Science in Technology for technical emphases A, B, C, D, E, and F require 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) 3 semester hours of approved co-op education/internship or relevant experience;
- 4) department application;
- 5) Graduate College application;
- 6) TOEFL score of 550 (paper-based)/213 (computer-based) for applicants for whom English is not their first language;
- 7) three professional references; and
- 8) a minimum undergraduate grade point average of 3.00.

A student with an interest in emphasis G will comply with items 3 to 8 from above, as well as the following:

- 1) completed a minimum of one course in college mathematics, one course in college physics and/or chemistry or other science related to the major area, and one course in computer programming;
- 2) evidence of professional or leadership experiences.

All technical emphases available in the Master of Science Technology degree program require the **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.** The successful completion of the departmental Professional Career Development Plan (PCDP) is required. Successful completion of a final written and/or oral comprehensive examination before pursuing the thesis is required. Students must complete 6 semester hours of 330:299.

Required foundation for all technical emphases	19 hours
Industrial Technology: 330:282; 330:288; 330:378 (7 hrs.)	
Required Research (12 hrs.)	
Industrial Technology: 330:292 (3 hrs.); 330:299 (6 hrs.)	
Select one of the following (3 hrs.):	
Measurement and Research: 250:180.	
Psychology: 400:239.	
Mathematics: 800:121.	
Emphasis (choose from one of following emphases)	<u>15</u> hours
	34 hours

A. Industrial Management Technical Emphasis (15 hours)

This emphasis provides advanced education for individuals who wish to expand their qualifications for supervisory positions in industry, business, and government.

Required:

Management: 150:262	3 hours
Industrial Technology: 330:258; 330:295	6 hours

Select two courses from the following

Management: 150:249.	
Industrial Technology: 330:225, 330:250, 330:294.	
Psychology: 400:157, 400:158.	

B. Construction Management Technical Emphasis (15 hours)

This technical emphasis provides the most recent integration of construction technology developments and competencies to establish an awareness of contemporary construction management.

Required:

Industrial Technology: 330:262; 330:265; 330:286 (3 hrs. <i>Studies In</i> approved by instructor, advisor, and department)	9 hours
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Select two courses from the following

Industrial Technology: 330:125, 330:126, 330:153, 330:154, 330:173, 330:175, 330:185.	
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C. Electrical Engineering Technology Technical Emphasis (15 hours)

This emphasis promotes greater depth of understanding the electrical and electronic engineering technology fields, and provides opportunities to develop special research and application skills directly related to individual competencies, needs, and objectives. Graduates will be prepared for technical and managerial positions in electrical, electronics, and information technology organizations with advanced software and hardware facilities.

Required:

Industrial Technology: 330:242; 330:244; 330:248 9 hours

Select two courses from the following 6 hours

Industrial Technology: 330:103, 330:104, 330:157, 330:160,
330:165, 330:166, 330:167.

D. Graphic Communication Technical Emphasis (15 hours)

This emphasis provides advanced training and education for the individual wanting to update or establish proficiency as a manager in the graphic industry, developer of graphic communications materials, or a developer of graphic communications programs for the industry.

Required:

Industrial Technology: 330:194; 330:286 (*Studies In*, 3 hrs.); 330:294 9 hours

Select two courses from the following 6 hours

Industrial Technology: 330:150; 330:158; 330:161; 330:163.

E. Manufacturing Materials Technical Emphasis (15 hours)

This emphasis explores advanced topics related to the fundamental physical aspects of materials processing and materials application during product design. Process management and quality assurance concepts are integrated into this area to provide the individual with a broad experience in material processing and selection. This technical emphasis prepares students for technical and managerial positions related to material processing fields or product development areas.

Required:

Industrial Technology: 330:231; 330:234; 330:235 9 hours

Select two courses from the following 6 hours

Industrial Technology: 330:188.

Mathematics: 800:176.

Physics: 880:144, 880:148.

F. Manufacturing Technology Technical Emphasis (15 hours)

This emphasis provides advanced topics related to the manufacturing processes as practiced in the modern manufacturing industries. Students should be in a position to develop the technologies for optimizing the manufacturing operations.

Required:

Industrial Technology: 330:250; 330:273; 330:275 9 hours

Select two courses from the following 6 hours

Marketing: 130:263.

Management: 150:249.

Industrial Technology: 330:258, 330:295.

Economics: 920:260.

G. Technology Education and Training Technical Emphasis (15 hours)

This emphasis provides advanced education and intensity for individuals in the areas of Technology Education or Technology Training, or both. The Technology Education portion is designed to meet the needs of current industrial technology (formerly industrial arts) teachers, or those who have previously completed a bachelor's degree in Technology Education. The Technology Training portion is designed to meet the needs of those who wish to expand their qualifications for careers in business and industrial organizations. Through this emphasis, graduates learn the pedagogical and administrative methods needed to assist new and experienced employees to gain the skills and knowledge necessary to fully contribute their talents to the organization in which they are employed.

Required:

Industrial Technology: 330:168 or 330:178; 330:290; 330:195 or

330:291; 330:294 12 hours

Instructional Technology : 240:245 or

Psychology: 400:232 3 hours

Doctor of Industrial Technology Degree Program

The University of Northern Iowa offers the Doctor of Industrial Technology degree to meet the increasing need for advanced degree work in this field. Industrial technology is a relatively new and rapidly expanding knowledge base for a wide variety of professional fields: these include technology, trade and industrial education, technical institute education, industrial training, and technology transfer. This research-oriented degree program also includes the study of the technological systems used in industry and their effect on society and culture.

The Doctor of Industrial Technology degree is designed to develop scholars in the fields of education and industry. Programs emphasize the development of a thorough knowledge of (a) industrial 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 industrial 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 64 semester hours** of credit completed **beyond the master's degree**.

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

1. Faculty, supervisors, and consultants of industrial 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. Leaders (e.g., deans, department heads, or directors) of technology-oriented programs at postsecondary institutions.
4. Researchers and research coordinators for education and industry in specific content fields of industrial technology.
5. Designers, coordinators and directors of 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 Industrial Technology.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Industrial Technology for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx. For requirements concerning admission, candidacy, scholarship, residence, examinations, dissertation, and graduation for the Doctor of Industrial Technology degree see other sections of this University Catalog.

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

Required core program:

Industrial Technology foundations	12 hours
Industrial Technology: 330:375; 330:376; 330:377; 330:378.	
Seminars	4 hours
Industrial Technology: 330:282 (3 hrs.).	
<i>(Students must enroll in a one-hour seminar during the first three sessions on campus.)</i>	
Industrial Technology: 330:283 (1 hr.).	
Research, Statistical Methods	9 hours
Measurement and Research: 250:180.	
Industrial Technology: 330:292; 330:296.	
Internship	6 hours
Industrial Technology: 330:388.	
Dissertation	12 hours
Industrial Technology: 330:399.	

Supporting course work

Supporting course work may be taken from any discipline in the university as long as it relates to the career goals and competencies identified on the program of study and is approved by the student's faculty advisory committee.

A minimum of 8 hours of supporting course work, beyond the required core program, must be taken outside the Department of Industrial Technology.

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64 hours

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 Industrial 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 Industrial Technology Master of Science degree program. Upon completion of the 15 hours, the Department of Industrial Technology will award the program certificate.

For information on the following program certificate, contact the Graduate Coordinator of the Department of Industrial Technology.

Industrial Management:

Required:

Management: 150:262 3 hours

Industrial Technology: 330:258; 330:295 6 hours

Select two courses from the following 6 hours

Management: 150:249.

Industrial Technology: 330:225, 330:250, 330:294.

Psychology: 400:157, 400:158.

Construction Management:

Required:

Industrial Technology: 330:262; 330:265; 330:286

(3 hrs. *Studies In* approved by instructor, advisor, and department) 9 hours

Select two courses from the following 6 hours

Industrial Technology: 330:125, 330:126, 330:153, 330:154, 330:173,

330:175, 330:185.

Electrical Engineering Technology:

Required:

Industrial Technology: 330:104; 330:166; 330:242; 330:244; 330:248 15 hours

Graphic Communications:

Required:

Industrial Technology: 330:194; 330:286 (*Studies In*, 3 hrs.); 330:294 9 hours

Select two courses from the following:

Industrial Technology: 330:150, 330:158, 330:161, 330:163 6 hours

Manufacturing Materials:

Required:

Industrial Technology: 330:231; 330:234; 330:235 9 hours

Select two courses from the following 6 hours

Industrial Technology: 330:188.

Mathematics: 800:176.

Physics: 880:144, 880:148.

Manufacturing Technology:

Required:

Industrial Technology: 330:250; 330:273; 330:275 9 hours

Select two courses from the following 6 hours

Marketing: 130:263.

Management: 150:249.

Industrial Technology: 330:258, 330:295.

Economics: 920:260.

Technology Education and Training:

Required:

Industrial Technology: 330:168 or 330:178; 330:290; 330:195 or 330:291;

330:294 12 hours

Select one course from the following 3 hours

Instructional Technology: 240:245 or

Psychology: 400:232.

Technology Management Certificate

Required:

Industrial Technology: 330:020; 330:043; 330:065; 330:142*;

330:187; 330:196 18 hours

18 hours

*330:142 has prerequisites of 800:046 or 800:048 or 800:060 or 800:072.

Interdisciplinary Majors and Minors

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

Asian Studies Minor

General Studies Major

Gerontology Major (also listed in Department of Design, Textiles, Gerontology, & Family Studies)

Gerontology Minor (also listed in Department of Design, Textiles, Gerontology, & Family Studies)

Global Studies Major

Humanities Major

Individual Studies Major

Liberal Studies, Bachelor of

International Business Minor

International Business Minor (Non-Business Majors)

Leadership Studies Minor

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

Graduate Majors (M.S.)

Environmental Science and Health

Environmental Science Emphasis

Environmental Health Emphasis

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

Asian Studies Minor

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

The programs and general courses in the non-Western foreign area studies are offered under the jurisdiction of the Committee on Asian Studies and the general supervision of the Dean of the College of Social and Behavioral Sciences.

Required:

Humanities: two of the following - <i>680:122</i> ; <i>680:124</i> ; <i>680:125</i>	6 hours
<i>680:198</i> (to be supervised by the Asian Studies Committee and combining Asian Studies and the student's major discipline)	3 hours
Two additional courses to be chosen from the list of Asian Studies major electives	<u>6</u> hours
	15 hours

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

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 five colleges** for a minimum total of	45 hours
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[^]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 five** colleges are: 1) College of Business Administration; 2) College of Education; 3) College of Humanities and Fine Arts**; 4) College of Natural Sciences**; and 5) 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.)

**Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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 *400:001*, *450:041*, and *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 Education, and the College of Humanities and Fine Arts[^]. It is administered through the Department of Design, Textiles, Gerontology, & Family Studies and under the supervision of the Gerontology Advisory Committee.

[^]Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Social Sciences Track

Required:

Research Methods 3-4 hours

Minimum of 3 hours of research methods from:

Design, Textiles, Gerontology, & Family Studies: 31F:030.

Leisure, Youth and Human Services: 430:169.

Psychology: 400:101.

Sociology: 980:108.

Gerontology core: 9 hours from the following 9 hours

*Design, Textiles, Gerontology, & Family Studies: 31F:150.

*Psychology: 400:173.

*Health Promotion and Education: 410:125.

*Sociology: 980:125.

In consultation with your advisor, choose a total of 21 credits from the following 4 groups, with at least 3 credits required from each group. 21 hours

Group I - Humanities and Aging (3-12 hours)

World Religions/Philosophy: *640:194* or *650:194* or *CAP:194*; 650:050 or 650:142.

History: 961:150.

Group II - Behavioral/Social Sciences and Aging (3-12 hours)

Gerontology, & Family Studies: 31F:055; 31F:150*.

Psychology: 400:120; 400:173*.

Sociology: 980:118; 980:125*.

Anthropology: 990:152.

Group III - Physical/Health Sciences and Aging (3-12 hours)

Gerontology, & Family Studies: 31F:057.

Health Promotion and Education: 410:125*.

World Religions/Philosophy: *640:173* or *650:173* or *CAP:173*.

Group IV - Related Social Sciences and Aging (3-12 hours)

Gerontology, & Family Studies: 31F:077; 31F:162.

Social Work: 450:173.

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

Internship	4 hours
Senior Seminar, Gerontology: 31G:193 (1 hr.)	
Design, Textiles, Gerontology: 31G:195, Section 1 (3 hrs.)	
OR	
Health Promotion and Education: 410:168 (3 hrs.)	
OR	
Sociology: 980:184 (3 hrs.)	

Total required in Social Sciences Track 37 hours**

**Due to prerequisites for courses in Group IV, the total number of credit hours required to complete this major may be 40.

Long Term Care Track

Required:

Business Management, Accounting, Business	10 hours
Select at least 3 credits:	
Accounting: 120:030, 120:031.	
Select at least 3 credits:	
Management: 150:100; 150:101; 150:102; 150:105; 150:153; 150:166.	
Gerontology core: 9 hours from the following	9 hours
Gerontology, & Family Studies: 31F:150.	
Psychology: 400:173.	
Health Promotion and Education: 410:125.	
Sociology: 980:125.	
Health Care Administration	14 hours
Gerontology, & Family Studies: 31G:170.	
Social Work: 450:172; 450:173.	
Health Promotion and Education: 410:186 (Guided Independent Study course <i>Medical Terminology for the Medical Professions</i> , 2 hrs.).	
World Religions/Philosophy: 640:173 or 650:173 or CAP:173.	
Electives approved by advisor	5 hours
Internship	4-10 hours^^
Students complete the seminar and either internship:	
Senior Seminar Design, Textiles, Gerontology, & Family Studies: 31G:193 (1 hr.) or 410:193 (1 hr.).	
Design, Textiles, Gerontology, & Family Studies: 31G:195, section 2 (3-9 hrs.)	
OR	
Health Promotion and Education: 410:168 (3 or 6 hrs.)	
OR	
Internship Design, Textiles, Gerontology, & Family Studies: 31G:195, section 2 (3 hrs.)	
OR	
Health Promotion and Education: 410:168 (3 hrs.)	
OR	
Sociology: 980:184 (3 hrs.)	

Total required in Long Term Track 42 hours^^

^^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 48 hours for the Long Term Care track.

Gerontology Minor

Gerontology core: select two of the following Gerontology core courses 6 hours

Design, Textiles, Gerontology, & Family Studies: 31F:150*.

Psychology: 400:173*.

Health Promotion and Education: 410:125.

Sociology: 980:125*.

Electives in Social Sciences: select two of the following Social Science courses 6 hours

Design, Textiles, Gerontology, & Family Studies: 31F:055*

OR

Psychology: 400:120*.

Design, Textiles, Gerontology, & Family Studies: 31F:077 or 31F:162*.

Social Work: 450:173*.

Sociology: 980:118.

Anthropology: 990:152*.

Electives in Humanities: select two of the following Humanities courses 6 hours

Philosophy: 650:050 or 650:142*.

World Religions/Philosophy: 640:173/650:173/CAP:173,
640:194/650:194/CAP:194.

—
18 hours

*These courses have additional prerequisites as follows:

31F:150 has prerequisites of 31F:020; 200:030 or 31F:055 or 400:120; 3 hours social science research methods. 400:120 and 400:173 have prerequisites of 400:001 or equivalent. 400:001 may be used to satisfy Category 5B of the Liberal Arts Core.

980:125 has prerequisite of 980:001. 980:001 may be used to satisfy Category 5A of the Liberal Arts Core.

31F:055 has prerequisite of 400:001 or consent of instructor. 400:001 may be used to satisfy Category 5B of the Liberal Arts Core.

31F:162 has prerequisite of 31F:020.

450:173 has prerequisite of 450:041. 450:041 may be used to satisfy Category 5C of the Liberal Arts Core.

990:152 has prerequisite of 990:010. 990:010 may be used to satisfy Category 4A of the Liberal Arts Core.

650:142 has prerequisite of one philosophy course.

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

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 five* UNI undergraduate colleges, and is housed in the College of Social and Behavioral Sciences. (*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.)

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 410:161 and 410:197 are credit/no credit courses, 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:

Anthropology: 990:011 or	
Geography: 970:010 or 970:040	3 hours
Political Science: 943:024 or 944:040	3 hours

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: (from the following) 3 hours
 Political Science: 943:120 or 943:126.
- Electives: (from the following) 9 hours
 Social Work: 450:102 (same as 980:102 and 990:102).
 Political Science: 941:122, 943:120, 943:125, 943:126, 943:129,
 943:143, 943:145, 944:121, 944:123.
 History: 963:157.

International Economics and Development

- Required: (from the following) 3 hours
 Economics: 920:136* or
 Political Science: 943:119* or 943:125.
- Electives: (from the following) 9 hours
 Social Science: *900:041* (same as *450:041*).
 Economics: 920:136, 920:143, 920:175*.
 Political Science: 943:119, 943:125.
 Geography: 970:101, 970:111, 970:119.
 Sociology: 980:120*, 980:135*.
 Anthropology: 990:148*, 990:167*.

***These courses listed above have additional prerequisites as follows:**

- 920:136 and 920:175 have prerequisites of 920:053 and 920:054.
 943:119 has prerequisite of 943:024, which is a choice in the program core.
 980:120 and 980:135 have prerequisite of *980:001*, which will satisfy LAC
 Category 5A.
 990:148 has prerequisite of *980:001* or *990:011*, either of which will satisfy
 LAC Category 5A.
 990:167 has prerequisite of *400:001* or *980:001* or *990:011*. Course *400:001*
 can satisfy LAC Category 5B, and *980:001* or *990:011* can satisfy
 LAC Category 5A.

Global Resources and Environment

- Required: (from the following) 6 hours
 Religion: 640:175 (same as 650:175).
 Biology: 840:167 or
 Geography: 970:100.
- Electives: (from the following) 6 hours
 Religion: 640:175 (same as 650:175).
 Humanities: 680:189.
 Environmental Science: 830:165.
 Biology: *840:051*, 840:167*, 840:168*.
 Earth Science: *870:031*, 870:035*.
 Economics: 920:123*.
 Geography: *970:026*, 970:028, 970:100*, 970:101, 970:119,
 970:127, 970:129.

***These courses listed above have additional prerequisites as follows:**

840:167 and 840:168 have prerequisites of 840:100 and 840:140. Courses 840:100 and 840:140 also have prerequisites of: 840:051; 840:052; 860:044 and 860:048, or 860:070.
 870:035 has prerequisite of 870:031, which will satisfy LAC Category 5B.
 920:123 has prerequisites of 920:053 and 920:054.
 970:100 has prerequisite of 970:010 or 970:026 or 970:028 or 970:040.

International Communication and Media

Required: (from the following) 6 hours
 Communication Studies: 48C:151 or
 Anthropology: 990:177 (same as 400:177 and 980:177).
 Communication Studies: 48J:151* or 48P:170.
 Electives: (from the following) 6 hours
 Management: 150:114*.
 Communication Studies: 48C:151, 48C:153, 48J:151, 48P:170.
 Sociology: 980:138*.
 Anthropology: 990:177*.

***These courses listed above have additional prerequisites as follows:**

150:114 has prerequisite of 620:005 or 620:015, either of which will satisfy LAC Category 1A.
 48J:151 has prerequisite of 48J:002.
 980:138 has prerequisite of 980:001 or 990:011, either of which will satisfy LAC Category 5A.
 990:177 has prerequisite of 400:001 or 980:001 or 990:011. Course 400:001 can satisfy LAC Category 5B, and 980:001 or 990:011 can satisfy LAC Category 5A.

Global Studies in Gender

Required: (from the following) 3 hours
 Humanities: 680:040 or
 Anthropology: 990:167 (same as 400:167 and 980:167).
 Electives: (from the following) 9 hours
 Health Promotion: 410:138, 410:147, 410:161, 410:162, 410:167, 410:197.
 Communication Studies: 48C:151, 48C:153.
 World Religions: 640:024 (Family Life Emphasis only).
 Humanities: 680:040, 680:289.
 Modern Languages (French): 720:031.
 Political Science: 943:126.
 History: 963:161.
 Sociology: 980:120*, 980:171*.
 Anthropology: 990:167* (same as 400:167 and 980:167).

Courses 410:161 and 410:197 may be taken credit/no credit only. This course will only be applied to the major if a grade of "credit" is achieved.

***These courses listed above have additional prerequisites as follows:**

980:120 has prerequisite of 980:001 or 990:011, either of which can satisfy LAC Category 5A.

980:171 has prerequisite of 900:020 or 980:001 or 990:011. Course 900:020 can satisfy LAC Category 5C, and course 980:001 or 990:011 can satisfy LAC Category 5A.

990:167 has prerequisite of 400:001 or 980:001 or 990:011. Course 400:001 can satisfy LAC Category 5B, and 980:001 or 990:011 can satisfy LAC Category 5A.

Global Health

Required: (from the following) 5 hours

Health Promotion: 410:138 and

Sociology: 980:168* (same 990:168).

Electives: (from the following) 7 hours

Health Promotion: 410:147, 410:161*, 410:167, 410:197.

Social Work: 450:041 (same as 900:041).

Environmental Science: 830:165 (same as 410:165).

Courses 410:161 and 410:197 may be taken credit/no credit only. This course will only be applied to the major if a grade of credit is achieved.

***These courses listed above have additional prerequisites as follows:**

410:161 has prerequisite of 410:167.

980:168 has prerequisite of 980:001 or 990:011. Course 980:001 or 990:011 can satisfy LAC Category 5A.

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 hours
Humanities: 680:127 and 680:128.	
Electives: (from the following)	9 hours
World Religions: 640:134.	
Modern Languages (French): 720:108*, 720:128*.	
Political Science: 944:121, 944:165.	
History: 962:151, 964:175.	
Geography: 970:141.	

***These courses listed above have additional prerequisites as follows:**

720:108 has prerequisite of 720:101.

720:128 has prerequisites of 720:101 and 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: (from the following)	3-6 hours
At least 3 hours but no more than 6 from:	
Humanities: 680:122, 680:124, and 680:125.	
Electives: (from the following)	9-12 hours
<i>Restrictions:</i>	
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).	
World Religions: 640:130, 640:132.	
Humanities: 680:122, 680:124, 680:125.	
Political Science: 944:162.	
History: 964:127, 964:128, 964:181, 964:182, 964:183, 964:187.	

Latin America

Required: (from the following)	6 hours
Humanities: 680:123 or 680:137 or	
Modern Languages: 780:120.	
Only one of 680:123 and 780:120 will count toward program credit.	
Political Science: 944:167.	
Electives: (from the following)	9 hours
Humanities: 680:123 (no credit if student has credit in 780:120), 680:137.	
Modern Languages (Spanish): 780:112*, 780:120* (no credit if student has credit in 680:123), 780:131*, 780:162*.	
Modern Languages (Portuguese): 790:031, 790:123*, 790:180*.	
History: 964:176, 964:180.	
Anthropology: 990:142*.	

***These courses listed above have additional prerequisites as follows:**

780:112 has prerequisite of 780:104 or 780:105 or equivalent.

780:120 has prerequisite of 780:101 or 780:150 or equivalent.

780:131 has prerequisite of 780:112.

780:162 has prerequisite of 780:118.

790:123 and 790:180 have prerequisite of 790:101.

990:142 has prerequisite of 990:010.

Russia/Eastern Europe

Required: (from the following) 6-9 hours

Humanities: 680:121 or

Modern Languages: 770:141 and 770:142.

Political Science: 944:164 or

History: 963:188.

Electives: (from the following) 6-9 hours

Humanities: 680:121.

Modern Languages (Russian): 770:031, 770:102, 770:104*,

770:122*, 770:132*, 770:134*, 770:141*, 770:142*, 770:196*.

Political Science: 944:164.

History: 963:169, 963:170, 963:188.

***These courses listed above have additional prerequisites as follows:**

770:104 has prerequisite of 770:102.

770:122 has prerequisite of 770:101.

770:132, 770:134, 770:141, 770:142, and 770:196 have prerequisite of 770:103.

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 hours

Humanities: 680:023.

Political Science: 944:135.

Electives: (from the following) 9 hours

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.

Modern Languages (French): 720:104*, 720:114*, 720:122*, 720:124*, 720:125*, 720:144*.

Modern Languages (German): 740:031, 740:104*, 740:116*, 740:122*, 740:123*, 740:130*, 740:134*, 740:136*, 740:148/CAP:148, 740:150*.

Modern Languages (Spanish): 780:118*, 780:123*, 780:135*, 780:163*.

History: 962:101, 962:103, 962:123, 962:126, 962:152, 962:153, 962:158, 962:164, 962:171, 963:154, 963:155, 963:157, 963:160, 963:161, 963:165, 963:172, 963:174.

Sociology: 980:120*.

***These courses listed above have additional prerequisites as follows:**

720:104, 720:114, and 720:144 have prerequisite of 720:101.
 720:122 has prerequisites of 720:101 and 720:104.
 720:124 and 720:125 have prerequisite of 720:101.
 740:104 has prerequisites of 740:013 and 740:014.
 740:116 and 740:123 have prerequisite of 740:101.
 740:122 has prerequisites of 740:101 and 740:104.
 740:130 and 740:134 have prerequisite of 740:101 or 740:103.
 740:136 has prerequisites of 740:101 and 740:104.
 740:150 has prerequisite of 740:101.
 780:118 has prerequisite of 780:104 or 780:105.
 780:123 has prerequisite of 780:011 or 780:150.
 780:135 and 780:163 have prerequisite of 780:112 or 780:118.
 980:120 has prerequisite of 980:001. Course 980:001 will satisfy LAC Category 5A.

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 Modern Languages*.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

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

This is an interdisciplinary major offered by the College of Humanities and Fine Arts*, and is under the jurisdiction of the dean of that college.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Required:

Humanities: <i>680:021</i> ; <i>680:022</i> ; <i>680:023</i> ; <i>680:192</i>	12 hours
Interdisciplinary courses in, or including, the humanities*	9 hours
Courses in history, from any department	6 hours
Critical and analytical course	3 hours
Participatory course in creative or performing arts	3 hours
Electives in any of the above or other humanities areas	<u>9</u> hours
	42 hours

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

Required:

A coherent, interdisciplinary area of study	minimum of 40 hours
Undergraduate thesis	<u>6</u> hours
	46 hours

(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 may complete the degree at their own pace without attending on-campus courses. Students often use guided independent study and other distance learning opportunities to earn credit.

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 purpose of the minor is to provide a plan of study that builds upon the knowledge gained through business core and business major courses with respect to issues associated with operating within the global economy.

Required:

World Affairs	3 hours
Geography: 970:040 or Political Science: 943:024	
International Business core	12 hours
Marketing: 130:161 or 130:177.	
Management: 150:189.	
Financial: 160:158 or 920:175.	
Economics: 920:136 or 920:143.	
International Experience	0 hours
Business, Interdepartmental: 100:169**.	
Electives (choose one of the following)	2-3 hours
Business, Interdepartmental: 100:155/CAP:155*	
Management: 150:161.	
Political Science: 943:119, 943:143, 943:145.	
Sociology: 980:167.	
Criminology: 982:162.	
Or any additional course listed within the international business core above.	

17-18 hours

* Either of these courses 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 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 hours
Geography: 970:040 or Political Science: 943:024.	
Business Core	15 hours
Accounting: 120:030. Marketing: 130:101. Management: 150:100; 150:153. Economics: 920:024.	
International Business core	8-9 hours
Management: 150:189. International electives (choose two from the following): Business, Interdepartmental: 100:155/CAP:155* Marketing: 130:161, 130:177.	
International Experience	0 hours
Business, Interdepartmental: 100:169**.	
	<u>26-27 hours</u>

* Either of these courses 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 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.

Leadership Studies Minor

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

The Leadership Studies minor is an interdisciplinary program that educates students about and for leadership in a democratic society. The minor provides an overview of diverse leadership theories, concepts, and issues; assessment of leadership styles and abilities; and practical experiences tailored to the students' abilities. It is open to any student; prior experience in leadership activities is not required.

Admission requires a cumulative GPA of 2.50 (or permission of director) and completion of one semester of college work (UNI or transfer).

Students who are pursuing the Leadership Studies minor or 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:

Leadership core courses: 680:010; 680:110; 680:188 7 hours

Leadership internship: 680:169 2-3 hours

Electives 9 hours

1. Diversity - one course from approved list of courses on diversity.

Psychology: 400:060.

Social Work: 450:045.

Communication: 48C:151, 48C:153.

Humanities: 680:130.

Social Science: 900:020.

B. Ethics - one course from approved list of courses on ethics.

Communication: 48C:128/CAP:128.

World Religions: 640:171.

Philosophy: 650:142, 650:172, 650:173/CAP:173; 650:174; 650:175.

C. General Elective - one course from approved list.

Management: 150:100, 150:153.

Social Work: 450:102.

Communication: 48C:071, 48C:121, 48C:141, 48C:144, 48C:151, 48C:153, 48C:173.

English Language and Literature: 620:104.

Humanities: 680:130.

Political Science: 940:189, 942:150, 942:151.

History: 961:144, 961:150.

Note: 48C:151, 48C:153, and 680:130 may count as either *diversity* elective or *general* elective for the minor.

Students may petition Director for Leadership Studies for a course not on the elective lists.

_____ hours
18-19 hours

Russian and East European Studies Minor

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

This minor is offered by the College of Humanities and Fine Arts* and the College of Social and Behavioral Sciences.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Required:

Language:

Four semesters. Must include fourth semester Russian (770:012) or an equivalent fourth-semester course in another Slavic/East European language satisfied through, for example, transfer credit.

Also, see * below 12-20 hours*

History: 963:169 or 963:170 or 963:188 3 hours

Two of the following 6 hours

Humanities/Literature: *680:121* or *770:031*.

Political Science: 944:123 or 944:164.

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.**

18-29 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.

*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.

Women's and Gender Studies Minor

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

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 and Fine Arts*. For more information, contact the Women's and Gender Studies office, Baker 170, 319-273-7102, or www.uni.edu/womenstudies.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Required:

Humanities: 680:040	3 hours
Social Science: 900:150	1 hour
Three of the following core electives	9 hours
Psychology: 400:060.	
Health Promotion and Education: 410:162.	
Communication Studies: 48C:153.	
English Language and Literature: 620:128.	
World Religions: 640:162.	
Humanities: 680:160.	
History: 961:146, 963:161.	
Sociology: 980:129, 980:171.	

Minimum of 6 hours from the elective lists with at least one course to be chosen from at least two of the three areas 6 hours

Social Sciences:

Educational Psychology: 200:140, 200:188.
 Design, Textiles, Gerontology, & Family Studies: 31F:010, 31F:020, 31F:057, 31F:150, 31F:153, 31F:157, 31T:114.
 Psychology: 400:173.
 Health Promotion and Education: 410:020, 410:128, 410:162.
 Leisure, Youth and Human Services: 430:030.
 Social Work: 450:041, 450:163, 450:173, 450:194.
 LAC Capstone: CAP:140.
 Social Sciences: 900:020, 900:023, 900:195.
 Political Science: 942:142.
 History: 961:120, 961:131, 961:142, 961:143, 961:146, 961:150, 963:161, 964:176, 964:180.
 Sociology: 980:100, 980:105, 980:135, 980:138, 980:156, 980:171, 980:177.
 Criminology: 982:123, 982:131.
 Anthropology: 990:011, 990:157, 990:161, 990:167.

Humanities:

Communication: 48C:108 or 48C:110, 48C:113, 48C:122, 48C:123, 48C:142, 48C:146, 48C:151, 48C:153, 48C:160, 48C:189.
 Theatre: 490:137.
 Art: 600:060, 600:180.
 English: 620:121, 620:123*, 620:128.
 World Religions: 640:024, 640:162, 640:168.
 Philosophy: 650:151/CAP:151, 650:152.
 Humanities: 680:010, 680:110, 680:123, 680:128, 680:130, 680:160.
 French: 720:031.

Experiential:

Social Science: 900:195.

19 hours

*620:123 has prerequisite of 620:034 or consent of instructor.

In courses with multiple sections, the section which indicates a Women's and Gender Studies emphasis will count for the minor with written approval of the director.

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: (a) to develop and enhance professionals' skills and knowledge in the fundraising and nonprofit sectors; (b) to further students' understanding of ethical policy and legal issues as they relate to philanthropy and nonprofit development; (c) 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 (d) 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, three letters of recommendation, and transcripts of undergraduate and graduate credits 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/default.aspx.

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 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 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: 150:262; 150:286 (<i>Studies In</i> , 1 hr.)	4 hours
Psychology: 400:254	2 hours
Leisure, Youth and Human Services: 430:220; 430:248; 430:249; 430:251	12 hours
Communication Studies: 48P:182	3 hours
English Language and Literature: 620:104	3 hours
Public Policy: 950:220	2 hours
Leisure, Youth and Human Services: 430:285 (Readings in Philanthropy and Nonprofit Development)	1 hour
430:299 (Research)	3 hours
	30 hours

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/default.aspx.

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.

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: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: 680:289	3 hours
Humanities: 680:290	1 hour
Sociology: 980:171	3 hours
History: 961:146 or 963:161	3 hours
English: 620:206 or Philosophy: 650:250	3 hours
Research: xxx:299	6 hours
Research Methodology:	3 hours
With approval of thesis advisor, one course from the following:	
Education, Interdepartmental: 190:305.	
Measurement and Research: 250:301.	
Psychology: 400:239.	
Communication: 48C:113, 48C:180, 48C:183, 48C:189, 48C:222.	
English Language and Literature: 620:161, 620:201.	
History: 960:290.	
Sociology: 980:160, 980:178 or 990:178, 980:201.	
Electives	12 hours
	34 hours

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, Baker 168, 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.

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/default.aspx.

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: 120:262	3 hours
Marketing: 130:263	3 hours
Management: 150:249; 150:250; 150:262; 150:272; 150:274; 150:276	16 hours
Finance: 160:266	3 hours
Economics: 920:260	3 hours
Topics: 3 hours from the following	3 hours
Accounting: 120:280.	
Marketing: 130:280.	
Management: 150:280.	
Finance: 160:280.	
	—
	31 hours

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

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.

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., 920:054, 942:014, and 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: 650:245	2 hours
Economics: 920:117; 920:125	6 hours
Public Policy: 950:205 (3 hrs.); 950:208; 950:260; 950:275	12 hours
Political Science: 942:153; 942:173	6 hours
History: 960:225	3 hours
Focus area courses: as approved by advisor	9 hours
Internship: 950:281	4 hours
Prerequisites: 950:275 and 942:173 or an approved substitute. This requirement may be waived at the discretion of the program director.	
Electives: as approved by advisor	3 hours
	41-45 hours

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 950:208, with the support of the instructor and benefitting from interaction with other students, each student prepares a research paper within the focus area.

If focus courses have prerequisites which instructors choose not to waive, these courses will be in addition to the above degree requirements.

The internship may be undertaken during the summer following the first or second year of classes or during any other approved period.

Successful completion of a final written and oral comprehensive examination is required.

Accelerated Master of Public Policy Program

The Accelerated Master of Public Policy program provides the opportunity for qualified UNI undergraduates to reduce the number of hours required for completion of the Master of Public Policy degree by meeting certain preparatory requirements prior to completing the B.A. degree.

1. Upon declaration of an undergraduate major, any UNI student may apply to the director of the program for entry into the preparatory phase of the Accelerated M.P.P. program. A student must have at least a 3.00 GPA in order to be considered for this program. Upon acceptance into the preparatory phase, the student signs an agreement with the director, which spells out the requirements for this phase of the program.
2. The following four courses are included in the preparatory phase of the program: 920:117, 920:125, 942:153, and 942:173. All of these courses have prerequisites which must be completed before the student may enroll in them.
3. 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.
4. 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.
5. 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.
6. 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.

7. 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: 650:245	2 hours
Public Policy: 950:205 (3 hrs.); 950:208; 950:260; 950:275	12 hours
History: 960:225	3 hours
Focus area courses: as approved by advisor	9 hours
Internship: 950:281	4 hours
Prerequisite: 950:275. This requirement may be waived at the discretion of the program director, but must be replaced by 4 hours of electives.	
Electives: as approved by advisor	<u>3</u> hours
	33 hours

Master of Science Degree Programs

Major in Environmental Science and Health

The curriculum in the Environmental Science and Health program provides academic and research opportunities for students seeking terminal master's degrees. The curriculum emphasizes environmental related course work in the various disciplines (biology, chemistry and biochemistry, geology, industrial technology, physics, and environmental health) as well as additional courses selected from university offerings at large to assure a high level of competence in the student's area of major interest. Working in cooperation with the sciences, industrial technology, and health departments, graduate students are afforded excellent opportunities for field, laboratory, and industrial research through association with a large staff of scientists studying environmental issues.

Students interested in this program must submit a completed Application for Admission to Graduate Study and be admitted to the program. Applications should include three letters of recommendation and transcripts of undergraduate and graduate credits. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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

This program is available on the **thesis** option only. A **minimum of 30 semester hours** is required. A **minimum of 18 hours of 200/6000-level course work is required**. Successful completion of a final written and oral comprehensive examination is required. Beyond the required courses, the graduate advisory committee for each student will select additional course work tailored to the interests and research of the student.

Environmental Science Emphasis:

Required courses:

Environmental Science: 830:200; 830:235; 830:250	9 hours
Environmental Science seminar: 830:289	3 hours
Research: 830:299	6-9 hours
Electives	<u>9-12</u> hours
	30 hours

Environmental Health Emphasis:

Required courses:

Environmental Science: 830:165; 830:200; 830:235	9 hours
Environmental Science seminar: 830:289	3 hours
Health Promotion and Education: 410:293	3 hours
Research: 830:299	6-9 hours
Electives	<u>6-9</u> hours
	30 hours

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the college 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 CBA Student Advising and Career Services, CBB 321B. To enroll in this program students must declare their intent on a Declaration of Curriculum form. The form may be obtained in CBB 321B.

1. International Business
 2. Cultural and Political Perspectives
- Management: 150:189. 3 hours
- One of the following: 3 hours
- Political Science: 943:024*.
- Geography: 970:040*.
- Sociology: 980:001*.
- Anthropology: 990:011*.

3. Foreign Language and History 5-24 hours
 Select one of the language options below.

Note: A student's native language cannot be used to meet the language requirement for the certificate.

CHINESE (8-18 hours)

710:001**; 710:002**; 710:011.

One of the following: 640:130, 640:132, 680:124*, 944:162, 964:183,
 964:187, 980:168, 990:157.

FRENCH (7-24 hours)

720:001**; 720:002**; 720:003**; 720:004**; 720:011; 720:012.

One of the following: 720:031*, 720:051, 720:061, 963:174.

GERMAN (7-18 hours)

740:001**; 740:002**; 740:003**; 740:004**; 740:011; 740:012.

One of the following: 740:013, 740:014, 740:031*, 740:111, 740:132,
 740:148/CAP:148, 962:171, 963:172.

RUSSIAN (8-20 hours)

770:001**; 770:002**; 770:003**; 770:004**; 770:011; 770:013.

One of the following: 680:121*, 770:012, 770:014, 770:031*,
 944:164, 963:169, 963:170.

SPANISH (7-20 hours)

780:001**; 780:002**; 780:011.

One of the following: 680:123*, 780:053, 780:055, 780:152,
 790:031*, 944:167, 964:180.

PORTUGUESE (5-17 hours)

790:001**; 790:002**; 790:010**; 790:020**; 790:060.

One of the following: 680:123*, 790:031*, 790:101,
 944:167, 964:180.

ENGLISH (9 hours)

One of the following: 900:023*, 942:014*.

Two of the following: 620:040, 620:043, 620:053, 620:121, 620:124,
 620:151, 961:120, 961:142, 961:144, 961:145, 961:150.

*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.

SUMMARY:

1. International Business 3 hours
2. Cultural and Political Perspectives 3 hours
3. Foreign Language and History 5-24 hours
 - 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
 (Note: A student's native language cannot be used to meet the requirements of this certificate.)

 11-30 hours
College of Humanities and Fine Arts***Graduate Certificate in Women's and Gender Studies**

The Graduate Certificate in Women's and Gender Studies is offered by the College of Humanities and Fine Arts* 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, Baker 170, 319-273-7102, or www.uni.edu/womenstudies.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Required:

English Language and Literature: 620:206 or

Philosophy: 650:250 or

Humanities: 680:289 or

Sociology: 980:171 3 hours

Electives: 9 hours

(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: 200:188.

Design, Textiles, Gerontology, & Family Studies: 31F:145, 31T:114.

Health Promotion: 410:128, 410:162.

Political Science: 942:142.

History: 961:146, 963:161.

Sociology: 980:131, 980:135, 980:171.

Category B: Humanities

Communication Studies: 48C:108, 48C:113, 48C:153.

English Language and Literature: 620:128, 620:206.

World Religions: 640:162, 640:168.

Philosophy: 650:151, 650:250.

Humanities: 680:160, 680:289.

Category C: Experimental

Social Science: 900:195 (3 hrs.).

Practicum that has a gender-focus and is advised by a WGS faculty member.

 12 hours

College of Humanities and Fine Arts* 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. A minor in leadership studies is also available and carries a leadership internship.

Prerequisite for admission: 2.50 GPA or permission of director.

Students who are pursuing the Leadership Studies minor or 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: 680:010; 680:110; 680:188 (2 hrs.) 8 hours

Electives 6 hours

two courses from the list approved for the Leadership Studies minor for a
total of 6 hours.

14 hours

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

College of Social and Behavioral Sciences

Conflict Resolution Certificate

Conflict and dispute can be viewed on both the macro and micro system levels. It can be intrapersonal or interpersonal, as in the area of marriage or family, or organizational, as in relations, racial and ethnic or interpersonal concerns. The Certificate in Conflict Resolution provides knowledge and understanding of conflict, as well as conflict management or resolution. The certificate's curriculum is designed for students who are working toward or who have already completed a baccalaureate degree, and whose anticipated careers may provide opportunities for understanding and conducting conflict resolution. Examples of related majors would include (but not necessarily be limited to) Social Work, Sociology, Anthropology, Environmental Science, Criminology, Communication, Business Management, Public Administration, Education, Public Policy, and Political Science.

Required:

Social Work/Sociology/Anthropology: 450:102/980:102/990:102

OR

Communication Studies: 48C:148 3 hours

Electives: select four courses from the lists below 12 hours

(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):

Micro Systems track courses:

Teaching: 280:170.

Design, Textiles, Gerontology, & Family Studies: 31F:020, 31F:153.

Psychology: 400:060.

Social Work: 450:143, 450:163*.

Communication Studies: 48C:136*, 48C:153.

Macro Systems track courses:

Social Work/Social Science: 450:041/900:041.

Social Science: 900:020.

Political Science: 943:125, 943:126, 944:123.

History: 963:157.

Geography: 970:100, 970:116.

15 hours

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.

*These courses have additional prerequisites as follows:

450:163 has prerequisite of 980:001. 980:001 may be used to satisfy Category 5A of the Liberal Arts Core.

48C:136 has prerequisite of 48C:004.

Iowa Lakeside Laboratory

(Interinstitutional Program)

www.continuetolearn.uiowa.edu/lakesidelab/

For additional information refer to 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.**

- Conclusion of program; focus on final assignments.
- Recommendation for initial licensure.

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

- Business Communication (also listed in Department of Communication Studies)
- General Business Concepts

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 the Student Advising and Career Services Office in the College of Business Administration or at www.CBA.uni.edu/dbweb/pages/students/advising-policies.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 requires satisfactory completion of the CBA admission requirements and any course prerequisites.

Students majoring in Management are not permitted to declare a double major within the College of Business Administration (the Economics/General and Economics/Quantitative Techniques majors are excepted). Management majors may declare a minor within the CBA, but the CBA minor selected must be one of those designated for business majors. Also, not more than one emphasis area may be declared in Management.

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

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 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 120:xxx, 130:xxx, 150:xxx, 160:xxx, and 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 the Student Advising and Career Services Office (CBB 321B) 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required business core:

Business Administration, Interdepartmental: 100:010; 100:020	0 hours
Accounting: 120:030; 120:031	6 hours
Marketing: 130:101	3 hours
Management: 150:080; 150:100; 150:153; 150:154; 150:175	15 hours
Finance: 160:151	3 hours
Economics: 920:020*; 920:053; 920:054; 920:070*	12 hours

Required:

Management: 150:163; 150:165	6 hours
Emphasis requirements (choose one area of emphasis)	<u>12</u> hours
	57 hours

*920:020 and 920:070 have a prerequisite of 800:072 or equivalent. 800:072 will satisfy Category 1C of the Liberal Arts Core.

Emphases:

1. Business Administration

Group I-Choose two of the following three areas:

- 150:145.
- 150:161 or 150:164.
- 150:119 or 150:166.

Group II-Choose one of the following courses:

- 150:113 or 150:114.
- 150:187.
- 150:189.
- 150:174.

Group III-Choose one of the following or any additional course from Group I or Group II:

- Accounting: 120:129 or 120:131.
 Marketing: 130:106, 130:153, or 130:177.
 Finance: 160:152, 160:158, or 160:161.
 Economics: 920:113, 920:160, or 920:175.

2. Human Resource Management

Required:

Management: 150:105; 150:166; 150:168.

Plus three hours to be selected from:

Management: 150:116, 150:130, 150:187.

3. Supply Chain and Operations

Required:

Marketing: 130:161.

Management: 150:161; 150:164; 150:167.

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

Required business core:

Business Administration, Interdepartmental: 100:010; 100:020 0 hours

Accounting: 120:030; 120:031 6 hours

Marketing: 130:101* 3 hours

Management: 150:080; 150:100; 150:153; 150:154*; 150:175 15 hours

Finance: 160:151 3 hours

Economics: 920:020*; 920:053; 920:054; 920:070* 12 hours

Required courses:

Management: 150:032; 150:034; 150:112; 150:120;

150:125; 150:140 18 hours

Electives (technical): 3 hours from the following 3 hours

Accounting: 120:136.

Management: 150:127; 150:128.

Computer Science: 810:161 (without lab).

 60 hours

*These courses have additional prerequisites as follows:

130:101 has prerequisite of 920:024 or 920:053.

150:154, 920:020, and 920:070 have prerequisite of 800:072 or equivalent. 800:072 will satisfy Category 1C of the Liberal Arts Core.

Business Teaching Major (*Extended Program*)

The Business Teaching major requires a minimum of 124 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 124 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required business core:

Business Administration, Interdepartmental: 100:010; 100:020	0 hours
Accounting: 120:030; 120:031	6 hours
Marketing: 130:101	3 hours
Management: 150:080; 150:100; 150:153; 150:154; 150:175	15 hours
Finance: 160:151	3 hours
Economics: 920:020*; 920:053; 920:054; 920:070*	12 hours

Required:

Marketing: 130:170	3 hours
Management: 150:091; 150:113*; 150:117; 150:191	7 hours
Finance: 160:055	<u>3</u> hours
	52 hours

*These courses have additional prerequisites as follows:

920:020 and 920:070 have prerequisite of 800:072 or equivalent. 800:072 will satisfy Category 1C of the Liberal Arts Core.

150:113 has prerequisite of 620:005 or 620:015, either of which will satisfy Category 1A of the Liberal Arts Core. Business Teaching Majors may substitute **both** 920:053 **and** 920:054 for 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: 200:017; 200:030; 200:128; 200:148; 220:150; 250:150; 260:119; 280:170; and 280:138.

Minors

Business Communication Minor

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

The Business Communication minor is interdisciplinary in nature and offered jointly by the College of Business Administration and College of Humanities and Fine Arts*. It is under the jurisdiction of the Department of Management and the Department of Communication Studies. The minor requires a 15-hour core plus 6 hours from one of three emphases.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Required core:

Communication: 48C:071***; 48C:132	6 hours
Journalism: 48J:007	3 hours
Management: 150:080	
OR	
English Language and Literature: 620:077	3 hours
English Language and Literature: 620:102 or 620:104 or 620:105	3 hours
Required: 6 hours from one of three emphases below	<u>6</u> hours
	21 hours

Emphases-

Business:

Management: 150:113; 150:114.

OR

Communication:

Two of the following:

Communication: 48C:025, 48C:031, 48C:141, 48C:148**.

OR

Journalism and Public Relations:

Two of the following:

Journalism: 48J:071**, 48J:172**, 48J:176**.

Public Relations: 48P:173**, 48P:184.

**These courses have additional prerequisites as follows:

48C:148 has prerequisite of 48C:004.

48J:071 has prerequisite of 48J:002 and 48J:007.

48J:172 has prerequisite of 48J:071.

48J:176 has prerequisite of 48J:071 or 620:015 or consent of instructor.

48P:173 has prerequisite of 48J:007.

***LAC Category 1B may be satisfied by two courses distributed as follows:

48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

Note: When declaring this minor students must:

- a) have a 2.70 cumulative GPA
- b) have satisfactorily completed Categories 1A and 1B of the Liberal Arts Core.

Available to all UNI majors.

General Business Concepts Minor

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

Required:

Accounting: 120:030	3 hours
Marketing: 130:101	3 hours
Management: 150:080; 150:100; 150:153	9 hours
Economics: <i>920:024</i> or equivalent; 920:070*	<u>6</u> hours
	21 hours

NOT available to majors in: Accounting, Business Teaching, Economics-Business Economics emphasis, Finance, Management, Management Information Systems, Marketing, and Real Estate.

*920:070 has prerequisite of 800:072 or equivalent. 800:072 will satisfy Category 1C of the Liberal Arts Core.

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 43. 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

Minor

Marketing (Non-Business Majors)

Program Certificates

Certificate in Entrepreneurship
Certificate in Marketing Research and Consulting

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 the Student Advising and Career Services Office in the College of Business Administration or at www.CBA.uni.edu/dbweb/pages/students/advising-policies.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 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 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, 130:xxx, 150:xxx, 160:xxx, and 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 the Student Advising and Career Services Office (CBB 321B) 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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: 100:010; 100:020	0 hours
Accounting: 120:030; 120:031	6 hours
Marketing: 130:101	3 hours
Management: 150:080; 150:100; 150:153; 150:154; 150:175	15 hours
Finance: 160:151	3 hours
Economics: 920:020*; 920:053; 920:054; 920:070*	12 hours

Required:

Marketing: 130:106; 130:108; 130:191	9 hours
Marketing emphasis area (select one emphasis area below)	<u>9</u> hours
	57 hours

1. Marketing Management

Required: (6 hours)

130:131; 130:177.

Marketing electives: (3 hours)

130:142, 130:150, 130:153, 130:160, 130:161, 130:166,
130:169, 130:170, 130:175, 130:178.

2. Distribution and Logistics

Required: (6 hours)

130:161; 130:166.

Marketing electives: (3 hours)

130:131, 130:142, 130:150, 130:153, 130:160, 130:169, 130:170,
130:175, 130:177, 130:178.

3. Advertising

Required: (6 hours)

130:150; 130:160.

Marketing electives: (3 hours)

130:131, 130:142, 130:153, 130:161, 130:166, 130:169, 130:170,
130:175, 130:177, 130:178.**4. Sales**

Required: (6 hours)

130:153; 130:178.

Marketing electives: (3 hours)

130:131, 130:142, 130:150, 130:160, 130:161, 130:166, 130:169, 130:170,
130:175, 130:177.

*920:020 and 920:070 have prerequisite of 800:072 or equivalent. 800:072 will satisfy Category 1C of the Liberal Arts Core.

Minors**Marketing Minor (Non-Business Majors)**

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

Required:

Marketing: 130:101* 3 hours

Economics: 920:024 or 920:053 3 hours

Marketing electives: three courses from the following 9 hours

130:106, 130:131, 130:142, 130:150, 130:153, 130:160,
130:161, 130:166, 130:170, 130:177, 130:178.

Business electives: two courses from the following 6 hours

Accounting: 120:030.

Management: 150:153.

Finance: 160:055

 21 hours

NOT available to majors in: Accounting, Business Teaching, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, Marketing, and Real Estate.

*130:101 has prerequisite of either 920:024 or 920:053. 920:024 or **both** 920:053 **and** 920:054 will satisfy Category 5B 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 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 CBA Student Advising and Career Services, CBB 321B. To enroll in this program students must declare their intent on a Declaration of Curriculum form. The form may be obtained in CBB 321B.

Required:

Business Administration, Interdepartmental: 100:040*	3 hours
Marketing: 130:101; 130:170; 130:175	9 hours
Economics: 920:024**	3 hours
	15 hours

*Students may substitute 120:030, 120:031, 160:151, 800:072, and 920:070 for 100:040.

**920:053 and 920:054 will substitute for 920:024.

Certificate in Marketing Research and Consulting

Required:

Marketing Research: 130:108*	3 hours
Marketing: 12 semester hours of Professional Development Training as a Program Associate with Strategic Marketing Services. Credits must be gained through any combination (maximum of 6 credit hours per semester) of the following marketing courses: 130:169; 130:179; 130:186	12 hours
Electives: one of the following	3 hours
Marketing: 130:106, 130:142, 130:177, 130:178, 130:191.	—
	18 hours

*130:108 has prerequisites of 920:024 or 920:053, 130:101, 150:080, 800:072, 920:020, and 920:070. Taking 800:072 will satisfy Category 1C of the Liberal Arts Core. Non-business majors who take 920:024 or **both** 920:053 **and** 920:054 will satisfy the requirements for Category 5B of the Liberal Arts Core.

For more information on this certificate, students should contact the Director of Strategic Marketing Services, CBB 5, and the Marketing Department, CBB 338.

Department of Mathematics

(College of Natural Sciences*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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 (also listed in Department of Curriculum and Instruction)
 Statistics and Actuarial Science

Graduate Majors (M.A.)

Mathematics
 Mathematics
 Secondary Teaching
 Mathematics for the Middle Grades (4-8)

Graduate Majors (P.S.M.)

Industrial Mathematics:
 Actuarial Science
 Continuous Quality Improvement
 Mathematical Computing and Modeling

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

Required:

Mathematics:

Common core: 800:060*; 800:061; 800:062; 800:076 15 hours

Mathematics core: 800:140; 800:141; 800:160; 800:162 12 hours

Electives 12-13 hours

Mathematics: either 800:194 and four courses as described below,
or 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.

Group I: 800:155, 800:165 or 800:166, 800:167.

Group II: 800:142, 800:143, 800:149, 800:152, 800:156,
800:176*.

Group III: 800:144, 800:180.

_____ hours
39-40 hours

*These courses have additional prerequisites as follows:

800:060 has prerequisite of 800:046, or 800:043 and 800:044, or equivalent.

800:176 has prerequisite of 810:030, 810:036, or 810:051.

Mathematics Major-Statistics/Actuarial Science

The Mathematics-Statistics/Actuarial Science major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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: 800:060*; 800:061; 800:062; 800:076 15 hours

Statistics/Actuarial Science core: 800:064 or 800:072; 800:152;

800:174 9 hours

Computer Science: 810:030 or 810:036 or 810:051 3-4 hours

Seminar/research: 800:194 or 800:195 1-3 hours

Choose and complete **ONE** of the following **emphasis cores** 9 hours**Statistics emphasis core:** three courses from 800:121, 800:123,

800:175, 800:196.

Actuarial Science emphasis core: three courses from 800:145,

800:153, 800:170, 800:197.

Electives: 800:121, 800:122, 800:123, 800:145, 800:146 (3 hrs.), 800:153,

800:154, 800:157, 800:158, 800:170, 800:171, 800:175, 800:176, 800:196,

800:197 6 hours

43-46 hours

*800:060 has prerequisite of 800:046, or 800:043 and 800:044, or equivalent.

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

Required:

Mathematics:

Common core: 800:060*; 800:061; 800:062; 800:076 15 hours

Teaching core: 800:143; 800:160; 800:165 or 800:166; 800:173;

800:180; 800:183; 800:188; 800:190;

two of the following - 800:144, 800:162, 800:189 30 hours

Computer Science: 810:030 or 810:036 or 810:051 or 810:056 3-4 hours

48-49 hours

*800:060 has a prerequisite of 800:046, or 800:043 and 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 800:060, 800:061, 800:076, 800:143, 800:160, 800:165 or 800:166, 800:173, 800:188, and 800:190.
2. Must complete all of the courses in the major with a major grade point average of 2.50 or higher.

Minors

Mathematics Minor

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

Required:

Mathematics: <i>800:060*</i> ; 800:061; 800:076	11 hours
Electives from the following	12 hours
Mathematics: 800:062, 800:140, 800:141, 800:142, 800:143, 800:144, 800:149, 800:150, 800:152, 800:154, 800:155, 800:156, 800:157, 800:158, 800:160, 800:162, 800:165 or 800:166, 800:167, 800:173, 800:174, 800:175, 800:176, 800:180, 800:189, 800:196.	_____
	23 hours

*800:060 has prerequisite of 800:046, or 800:043 and 800:044, or equivalent.

Mathematics Minor-Teaching

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

Required:

Mathematics: <i>800:060*</i> ; 800:061; <i>800:064</i> or <i>800:072</i> or 800:173; 800:076; 800:143; 800:160; 800:165 or 800:166; 800:188; 800:190	29 hours
Computer Science: 810:030 or 810:036 or 810:051 or 810:056	<u>3-4</u> hours
	32-33 hours

*800:060 has prerequisite of 800:046, or 800:043 and 800:044, or equivalent.

Mathematics Minor (K-8)-Teaching

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

Required:

Mathematics: 800:031; 800:037; 800:111; 800:112; 800:113; 800:114; 800:131; 800:192	24 hours
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Statistics and Actuarial Science Minor

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

Required:

Mathematics: <i>800:060*</i> ; 800:061; <i>800:064</i> or <i>800:072</i> ; 800:152	14 hours
Electives	9 hours
Mathematics: 800:062, 800:076, 800:121, 800:122, 800:123, 800:146, 800:154, 800:157, 800:158, 800:171, 800:174, 800:175, 800:196, 800:197.	_____
	23 hours

*800:060 has a prerequisite of 800:046, or 800:043 and 800:044, or equivalent.

Master of Arts Degree Programs

Major in Mathematics

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

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

The major in Mathematics is available in two emphases: Mathematics and Secondary Teaching.

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 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 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, and requires a **minimum of 33 hours**, and a **minimum of 24 hours of 200/6000-level course work**.

Successful completion of a final written comprehensive examination is required for the **non-thesis option on the Mathematics emphasis only**.

Courses taken to satisfy B.A. requirements may not be repeated to count toward the graduate program.

Mathematics Emphasis

Required:

Mathematics: 800:155 or 800:189; 800:201; 800:203; 800:240 12 hours

At least two of the following: 800:202, 800:204, 800:241 6 hours

Research: 800:299 2 or 6 hours

Thesis option (6 hrs.)

Non-thesis option (2 hrs.)

Electives from the following 12 hours

Mathematics: Any of the courses listed above that were not used for

the requirements there, or from among the following:

800:141, 800:143, 800:149, 800:150, 800:152, 800:154, 800:156,

800:157, 800:158, 800:162, 800:167, 800:174, 800:175, 800:176,

800:180, 800:196, 800:210, 800:246, 800:263, 800:273.

_____ Thesis option 36 hours

Non-thesis option 32 hours

Secondary Teaching Emphasis

Required:

Mathematics Education/Technology: 800:280; 800:281; 800:291; 800:293	12 hours
Mathematics: 800:140; 800:162 or 800:240; 800:243; 800:246; 800:267; 800:270; 800:271	<u>21</u> hours
	33 hours

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

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 32 hours** is required. **A minimum of 15 hours of 200/6000-level course work is required.**

Required:

Mathematics: 800:191; 800:211; 800:213; 800:214; 800:215; 800:220; 800:221; 800:222; 800:236; 800:237; 800:238; 800:289 Seminar in Implementing Change in Teaching Mathematics I; 800:289 Seminar in Implementing Change in Teaching Mathematics II; 800:289	29 hours
Electives as approved by the department	<u>3</u> hours
	32 hours

Professional Science Master's Degree Programs

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 in one of the three available emphases. 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: single and multi variable calculus (800:060, 800:061, 800:062), linear algebra (800:076), an introduction to statistics (800:072), and a course in computer programming (810:030, 810:036, 810:051, or equivalent).

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

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

This major is a **non-thesis** program. Three emphases are available: the Actuarial Science Emphasis; the Continuous Quality Improvement Emphasis; and the Mathematical Computing and Modeling Emphasis; and. A **minimum of 34-35 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.

Each emphasis requires completion of the business and experiential component, the seminar experience, the Mathematics core, the core for the chosen emphasis (Actuarial Science, or Continuous Quality Improvement, or Mathematical Computing and Modeling), and 9 hours of electives that do not duplicate course work chosen to meet the chosen emphasis (Actuarial Science, or Continuous Quality Improvement, or Mathematical Computing and Modeling) core requirement.

Required:

Business and Experiential Component	9 hours
Mathematics: 800:275.	
Science and Science Education: 820:209.	
Seminar experience: 800:289 (Seminar in Lean and Six Sigma Methods in Industry, 2 hrs.) Or 820:289	1-2 hours
Mathematics core: 800:250; 800:252	6 hours
Choose and complete ONE of the following emphasis core	9 hours
Actuarial Science core: three courses from 800:145, 800:153, 800:158, 800:170, 800:197.	
Continuous Quality Improvement core: three courses from 800:123, 800:157, 800:175, 800:196, 800:251, 800:253, 800:272.	
Mathematical Computing and Modeling core: three courses from 800:125, 800:149, 800:150, 800:176, 800:251, 800:253.	
Electives from the following:	9 hours
Marketing: 130:191 or 130:263.	
Management: 150:250, 150:272.	
Finance: 160:151, 160:152, 160:266.	
Industrial Technology: 330:122.	
Mathematics: 800:121, 800:122, 800:123, 800:125, 800:143, 800:145, 800:149, 800:150, 800:152, 800:153, 800:154, 800:155, 800:156, 800:157, 800:158, 800:170, 800:171, 800:174, 800:175, 800:176, 800:196, 800:197, 800:251, 800:253, 800:272, 800:273.	
Computer Science: 810:147, 810:240.	
Physics: 880:205.	

_____ hours
34-35 hours

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: 800:121; 800:123; 800:157; 800:250; 800:272; 800:289 (Seminar
in Lean and Six-Sigma Methods in Industry, 2 hrs.) 17 hours
17 hours

Department of Military Science

www.uni.edu/armyrotc

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: 080:091; 080:092; 080:093; 080:094 6 hours
Advanced Course: 080:116; 080:117; 080:118; 080:119 12 hours

Electives 15 hours

3 hours selected from each of the following fields:

Written Communication, Human Behavior, Military History,
Computer Literacy, Math Reasoning.

(Liberal Arts Core courses taken in these areas are accepted
as meeting the elective credit requirements.)

33 hours

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: 080:091*; 080:092*; 080:093*; 080:094*;

080:116; 080:117; 080:118; 080:119 18 hours

Electives 21 hours

minimum of 3 hours selected from each of the following fields:

Human Behavior, Military History, Computer Literacy,
Management, Security Studies.

_____ hours
39 hours

* 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. Additional information about U.S. Army ROTC scholarships can be found in other sections of this University Catalog.

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/armyrotc.

Department of Modern Languages*

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

(College of Humanities and Fine Arts)**

**Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

www.uni.edu/modlangs

The Department of Modern Languages offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Modern Languages section in the following order:

Undergraduate Majors (B.A.)

- World Languages and Cultures - Dual
- World Languages and Cultures - Dual Teaching
- World Languages and Cultures - French
- World Languages and Cultures - French Teaching
- World Languages and Cultures - German
- World Languages and Cultures - German Teaching
- World Languages and Cultures - Russian
- Spanish
- Spanish-Teaching
- TESOL/Modern Language-Teaching (also listed in the Department of English Language and Literature*)

Minors

- Comparative Literature (also listed in the Department of English Language and Literature*)
- French Studies
- French-Teaching
- German
- German-Teaching
- Portuguese
- Portuguese-Teaching
- Russian
- Russian-Teaching
- Spanish
- Spanish-Teaching

Graduate Majors (M.A.)

French

German

Spanish

TESOL/Modern Languages (also listed in Department of English Language and Literature*)

Program Certificates

Certificate in French Language Studies

Certificate in German Language Studies

Certificate in Hispanic and Portuguese Studies

Certificate in Hispanic Cultures

Certificate in Portuguese Studies

Certificate in Russian Language Studies

Certificate in Spanish Language Studies

Certificate in Spanish for Special Purposes

International Commerce Certificate

Certificate in Translation: Spanish

Note: Programs include teaching and non-teaching majors in World Languages and Cultures (French, German, Portuguese, Russian, Dual Languages), and Spanish. Minors include French, German, Portuguese, Russian, and Spanish. Courses are offered in all of the above languages, plus Chinese.

Two interdepartmental programs are offered cooperatively with the Department of English Language and Literature* and are listed in both department sections. These programs are TESOL/Modern Language Major-Teaching, and the Comparative Literature Minor.

A student who has been enrolled previously in a foreign language at this institution will be advised by her/his instructor as to the sequence of succeeding courses.

A student who has never had a foreign language should enroll in the Elementary I or Introduction I course.

The previous background and facility in acquiring basic skills of the individual student may necessitate taking additional work in lower division courses which are not specified in the major.

The total program hours will depend on the student's background and will vary.

Licensure to teach a modern language in elementary school can be achieved by majoring in Elementary Education and taking the teaching minor in the relevant language.

To meet any course prerequisite, a grade of C- or higher is required in the prerequisite course.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

Bachelor of Arts Degree Programs

World Languages and Cultures Major

The World Languages and Cultures major develops strong liberal arts skills with a focus on the study of languages and cultures. Students can choose among the following emphasis areas: French (Liberal Arts); French (Business); French Teaching; German (Liberal Arts); German (Business); German Teaching; Russian; Dual Languages; Dual Languages Teaching.

World Languages and Cultures - Dual Major

The World Languages and Cultures major - Dual 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*.

Choose two from: French, German, Portuguese, Russian, Spanish.

Required: a minimum of 21* semester hours, more advanced than the elementary/introductory level, in each of two languages for a total of 42 semester hours.

At least 15 hours in each language must be in courses numbered 100-level[^] or higher.

—
42 hours

*Students with no previous experience in a language may need to take more than 21 hours.

[^]See course descriptions for 4-digit numbers associated with these 100-level courses.

Specific requirement per language:

French: A minimum of 21 semester hours in French in courses more advanced than 720:002 and 720:004, including 720:101, 720:104, and 720:122. At least 15 hours must be in courses numbered 100/3000-level or higher, including at least one course from each of the following groups:

- a. 720:124, 720:125.
- b. 720:105, 720:161, 720:185.

German: A minimum of 21 semester hours in German in courses more advanced than 740:002 and 740:004, including 740:101, 740:103, and 740:104 or 740:031, at least 15 hours must be in courses numbered 100-level[^] or higher, including at least one course from each of the following groups:

- a. 740:121, 740:123, 740:150.
- b. 740:132, 740:136, 740:160, 740:185.
- c. 740:116, 740:122, 740:130, 740:134.

[^]See course descriptions for 4-digit numbers associated with these 100-level courses.

Portuguese: A minimum of 21 semester hours in Portuguese in courses more advanced than 790:001, including 790:101; with electives from among 720:104, 780:104, 790:002, 790:010, 790:020, 790:031 (or any 620:031 section cross listed with 790:031), 790:060, 790:101, 790:109, 790:123, 790:133, 790:179, 790:180, 790:186, 790:191, 790:198, 790:199. At least 15 hours must be in courses numbered 100/3000-level or higher.

Russian: A minimum of 21 semester hours in Russian in courses more advanced than 770:002 and 770:004, including 770:101, 770:103, 770:196. At least 15 hours must be in courses numbered 100/3000-level or higher.

Spanish: A minimum of 21 semester hours in Spanish in courses more advanced than 780:002, including 780:101**, 780:104 or 780:105, 780:107, and 780:108, at least 15 hours must be in courses numbered 100/3000-level or higher, including at least one course from group a and one course from group b. A maximum of 6 hours of course work in translation may be counted toward a major in Spanish.

a. 780:120, 780:123, 780:127, 780:152.

b. 780:112, 780:118, 780:145, 780:146, 780:147.

**The requirement for 780:101 may be replaced by 780:150 in either a UNI or an Iowa Regents program abroad.

World Languages and Cultures Major - Dual Teaching (*Extended Program*)

The World Languages and Cultures major - Dual Teaching requires a minimum of 138 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 138 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Students successfully completing this major will be eligible for licensure/endorsement in two languages. Choose two from: French, German, Portuguese (endorsement only), Russian (endorsement only), Spanish.

Required:

Languages: 700:190; 700:193 5 hours

Practicum in one of the languages: 720/740/770/780/790:191 2 hours

Students must have a minimum of 30* semester hours in one language

and a minimum of 24 semester hours in another. In each language, at least

21** hours must be more advanced than the elementary/

introductory level, 15 hours must be in courses numbered

100-level^ or higher. A total of 59 semester hours is required.

—
61 hours

**Students with no previous experience in a language may need to take more than 21 hours.

^See course descriptions for 4-digit numbers associated with these 100-level courses.

Specific requirement per language:

French: A minimum of 24 (*or 30) semester hours in French, with at least 21 hours more advanced than 720:002 and 720:004, including 720:101, 720:104, and 720:122, at least 15 hours must be in courses numbered 100/3000-level or higher, including at least one course from each of the following groups:

a. 720:124, 720:125.

b. 720:105, 720:161, 720:185.

German: A minimum of 24 (*or 30) semester hours in German, with at least 21 hours more advanced than 740:002 and 740:004, including 740:101, 740:103, and 740:104 or 740:031, at least 15 hours must be in courses numbered 100-level[^] or higher, including at least one course from each of the following groups:

- a. 740:121, 740:123, 740:150.
- b. 740:132, 740:136, 740:160, 740:185.
- c. 740:116, 740:122, 740:130, 740:134.

[^]See course descriptions for 4-digit numbers associated with these 100-level courses.

Portuguese: A minimum of 24 semester hours in Portuguese, with at least 21 hours more advanced than 790:001, including 790:101; with electives from among 720:104, 780:104, 790:002, 790:010, 790:020, 790:031 (or any 620:031 section cross listed with 790:031), 790:060, 790:101, 790:109, 790:123, 790:133, 790:179, 790:180, 790:186, 790:191, 790:198, 790:199. At least 15 hours must be in courses numbered 100/3000-level or higher.

Russian: A minimum of 24 semester hours in Russian, with at least 21 hours more advanced than 770:002 and 770:004, including 770:101, 770:103, 770:196, at least 15 hours must be in courses numbered 100/3000-level or higher.

Spanish: A minimum of 24 (*or 30) semester hours in Spanish, with at least 21 hours more advanced than 780:002, including 780:101***, 780:104 or 780:105, 780:107, and 780:108, at least 15 hours must be in courses numbered 100/3000-level or higher, including at least one course from group a and one course from group b. A maximum of 6 hours of course work in translation may be counted toward a major in Spanish.

- a. 780:120, 780:123, 780:127, 780:152.
- b. 780:112, 780:118, 780:145, 780:146, 780:147.

***The requirement for 780:101 may be replaced by 780:150 in either a UNI or an Iowa Regents program abroad.

World Languages and Cultures Major - French

The World Languages and Cultures major - French 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:

French: a minimum of 33 semester hours in French in courses more advanced than 720:002 and 720:004. Required 720:101 and 720:103. At least 24 hours of the total 33 hours must be numbered 100/3000-level or above.

—
33 hours

Emphases:

1. Liberal arts

Required: 720:104; 720:122 and at least one course from each category:
 a. 720:124, 720:125.
 b. 720:105, 720:161, 720:185.
 c. 720:108, 720:128.

2. Business

Required: 720:102; 720:111; 720:114; 720:124 or 720:125; 720:181.

World Languages and Cultures Major - French Teaching

The World Languages and Cultures major - French 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required: a minimum of 38 semester hours as follows:

Methods: 700:190 (3 hrs.); 700:193 (2 hrs.); 720:191 (2 hrs.) 7 hours
 French: minimum of 31 semester hours in French in courses more
 advanced than 720:002 and 720:004. Required 720:101; 720:103*;
 720:104; and 720:122. At least 24 of the total 31 hours must be
 numbered 100/3000-level or above and include at
 least one course from each of the following groups 31 hours
 a. 720:124, 720:125.
 b. 720:105, 720:161, 720:185.
 c. 720:108, 720:128.

—
38 hours

*The requirement for 720:103 may be fulfilled by participation in either a UNI or an Iowa Regents program abroad.

World Languages and Cultures Major - German

The World Languages and Cultures major - German 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:

German: a minimum of 33 semester hours in German in courses more advanced than 740:002 and 740:004, including 740:101, 740:103, and 740:104 or 740:031, of which at least 24 hours must be in courses numbered 100-level^ or higher.

—
33 hours

Emphases:

1. Liberal Arts

Choose at least one course from each category:

- a. 740:102, 740:185.
- b. 740:121, 740:123, 740:132, 740:136, 740:150, 740:160.
- c. 740:116, 740:122, 740:130, 740:134.

2. Business

Required: 740:111.

Choose at least 3 courses from 740:102, 740:121, 740:123, 740:150, 740:185.

^See course descriptions for 4-digit numbers associated with these 100-level courses.

World Languages and Cultures Major - German Teaching

The World Languages and Cultures major - German 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required: a minimum of 38 semester hours as follows:

Methods: 700:190 (3 hrs.); 700:193 (2 hrs.); 740:191 (2 hrs.) 7 hours

German: a minimum of 31 semester hours in German in courses more advanced than 740:002 and 740:004, including 740:101 (3 hrs.), 740:103 (3 hrs.), and 740:104 or 740:031, of which at least 24 hours must be in courses numbered 100-level^ or higher 31 hours

Choose at least one course from each category:

- a. 740:102, 740:185.
- b. 740:121, 740:123, 740:132, 740:136, 740:150, 740:160.
- c. 740:116, 740:122, 740:130, 740:134.

—
38 hours

^See course descriptions for 4-digit numbers associated with these 100-level courses.

World Languages and Cultures Major - Russian

The World Languages and Cultures major - Russian 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:

Russian: a minimum of 33 semester hours in Russian courses more advanced than 770:002 and 770:004, including 770:101, 770:103, and 770:196, of which at least 23 hours must be courses numbered 100/3000-level or higher, and including at least one course from each of the following groups:

- a. 770:141, 770:142.
- b. 770:102, 770:104.
- c. 770:132, 770:134.

—
33 hours

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

Required:

Spanish: a minimum of 33 semester hours in Spanish courses more advanced than 780:002, including 780:101*, 780:104 or 780:105, 780:107, 780:108, 780:112 or 780:118, 780:131 or 780:135, of which at least 27 hours must be in courses numbered 100/3000-level or higher, and including at least two courses from group a and one course from group b.

- a. 780:120, 780:123, 780:127, 780:141, 780:146, 780:152, 780:166.
- b. 780:145, 780:147, 780:162, 780:163, 780:164.

—
33 hours

*The requirement for 780:101 may be replaced by 780:150 in either a UNI or an Iowa Regents program abroad.

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

Required: a minimum of 38 semester hours as follows:

Methods: 700:190 (3 hrs.); 700:193 (2 hrs.); 780:191 (2 hrs.)	7 hours
Spanish: a minimum of 31 semester hours in Spanish courses more advanced than 780:002, including 780:101*, 780:104 or 780:105**, 780:107, 780:108, 780:112 or 780:118, 780:131 or 780:135, of which at least 27 hours must be in courses numbered 100/3000-level or higher, and including at least two courses from group a and one course from group b.	31 hours
a. 780:120, 780:123, 780:127, 780:141, 780:146, 780:152, 780:166.	
b. 780:145, 780:147, 780:162, 780:163, 780:164.	
	— 38 hours

*The requirement for 780:101 may be replaced by 780:150 in either a UNI or an Iowa Regents program abroad.

**780:105 is highly recommended for teaching majors.

TESOL/Modern Language Major-Teaching (*Extended Program*)

This major is offered cooperatively by the Department of English Language and Literature* and the Department of Modern Languages*, and is under the jurisdiction and supervision of the heads of these two departments. (*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.)

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

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: 620:034; one of the following - 620:103, 620:104, 620:105, 620:193	6 hours
TESOL/Applied Linguistics: 630:125 or 630:130; 630:154; 630:160; 630:165; 630:192; 630:193; 630:194; 630:196	24 hours
30 hours from one of the language emphases below	<u>30</u> hours
	60 hours

Emphases-

French:

Languages: 700:190; 700:193.

French: 720:011; 720:012; 720:051 (3 hrs.); 720:061 (2 hrs.); 720:101; 720:104; 720:105; 720:124 or 720:125; 720:191 (2 hrs.); at least one French literature course; and electives in French more advanced than 720:002 and 720:004 to total 30 hours.

German:

Languages: 700:190; 700:193.

German: 740:011; 740:012; 740:013; 740:014; 740:101 (2-3 hrs.); 740:103 (2-3 hrs.); 740:123 or 740:150; 740:191 (2 hrs.); at least one German literature course and electives in German more advanced than 740:002 and 740:004 to total 30 hours.

Russian:

Languages: 700:190; 700:193.

Russian: 770:011; 770:012; 770:013; 770:014; 770:101; 770:103; 770:191 (2 hrs.); at least one Russian literature course; and electives in Russian more advanced than 770:002 and 770:004 to total 30 hours.

Spanish:

Languages: 700:190; 700:193.

Spanish: 780:055 (4 hrs.); 780:101 or 780:150; 780:104 or 780:105; 780:107 (2 hrs.) and 780:108; 780:120 or 780:123 or 780:127 or 780:152 (3 hrs.); 780:145 or 780:146 or 780:147; 780:191 (2 hrs.); and electives in Spanish more advanced than 780:002 to total 30 hours.

Note: International students must have achieved a TOEFL paper-based score of 600 or computer-based score of 250 or the equivalent.

Minors

Comparative Literature Minor

This is an interdisciplinary minor administered jointly by the Department of English Language and Literature* and the Department of Modern Languages*. (*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.)

This minor is designed for foreign language majors and students of English literature who demonstrate a reading knowledge of a foreign language. Other students who can demonstrate a reading knowledge of a foreign language may also enroll.

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

Required:

English Language and Literature: 620:161; a 100-level[^] course in

English literature 6 hours

Electives: (see below*) 12 hours

18 hours

***For Foreign Language Majors-**

Electives in 100-level^ foreign language literature courses (6 hours).

English literature at the 100-level^ (excluding 620:144, 620:147, 620:148) - (6 hours).

***For Non-Foreign Language Majors-**

French: 720:104; or

German: 740:104; or

Spanish: 780:104.

Electives in 100-level^ foreign language literature courses (9 hours).

^See course descriptions for 4-digit numbers associated with these 100-level courses.

French Studies Minor

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

Required:

French: 720:101 or 720:103	3 hours
18 hours in French in courses more advanced than 720:002 and 720:004	<u>18</u> hours
	21 hours

French Minor-Teaching

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

Required:

Methods: 700:190 (3 hrs.); 700:193 (2 hrs.); 720:191 (2-3 hrs.)	7-8 hours
French: 720:101	3 hours
18-19 hours in French courses more advanced than 720:002 and 720:004 ..	<u>18-19</u> hours
	29 hours

German Minor

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

Required:

German: 740:101; 740:103	6 hours
15 hours in German in courses more advanced than 740:002 and 740:004	<u>15</u> hours
	21 hours

German Minor-Teaching

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

Required:

Methods: 700:190 (3 hrs.); 700:193 (2 hrs.); 740:191 (2 hrs.)	7 hours
German: 740:101; 740:103	6 hours
16 hours in German in courses more advanced than 740:002 and 740:004	<u>16</u> hours
	29 hours

Portuguese Minor

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

Required:

Portuguese: 790:001	3 hours
16 hours more advanced than 790:001, from 790:010, 790:020, 790:031 (or any 620:031 section cross listed with 790:031), 790:060, 790:101, 790:109, 790:123, 790:133, 790:179, 790:180, 790:186, 790:191, 790:198	<u>16</u> hours
	19 hours

A final essay and interview are required.

Portuguese Minor-Teaching

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

Required:

Methods: 700:190 (3 hrs.); 700:193 (2 hrs.); 790:191 (2 hrs.)	7 hours
Portuguese: 790:101	3 hours
19 hours in Portuguese above 790:001	<u>19</u> hours
	29 hours

Russian Minor

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

Required:

Russian: 21 hours in courses in Russian more advanced than 770:002 and 770:004 . . . 21 hours

Russian Minor-Teaching

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

Required:

Methods: 700:190 (3 hrs.); 700:193 (2 hrs.); 770:191 (2-3 hrs.)	7-8 hours
Russian: 21-22 hours in courses in Russian more advanced than 770:002 and 770:004	<u>21-22</u> hours
	29 hours

Spanish Minor

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

Required:

Spanish: 780:101	3 hours
3 hours in Spanish courses more advanced than 780:101	3 hours
15 hours in Spanish in courses more advanced than 780:002	<u>15</u> hours
	21 hours

Spanish Minor-Teaching

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

Required:

Methods: 700:190 (3 hrs.); 700:193 (2 hrs.); 780:191 (2-4 hrs.)	7-9 hours
Spanish: 780:101	3 hours
3 hours in Spanish in courses more advanced than 780:101	3 hours
14-16 hours in Spanish in courses more advanced than 780:002	<u>14-16</u> hours
	29 hours

Master of Arts Degree Programs

Major in French

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/default.aspx.

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) undergraduate major or equivalent in the language of study, 2) two letters of recommendation, 3) statement of purpose in target language, 4) 550 TOEFL score or higher.

The major in French is available on the **thesis** and **non-thesis** options; a **minimum of 32 hours** is required for either option. **On the thesis option, a minimum of 15 hours of 200/6000-level course work, including 6 hours of Research 720:299, is required. On the non-thesis option, a minimum of 12 hours of 200/6000-level course work is required, including no more than 3 hours of 720:299.** 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 Modern Languages* 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:

Research: 700:295	2-3 hours
Literature courses (minimum)	8 hours
Linguistics, grammar, and/or translation courses (minimum)	8 hours
One course in civilization or culture (unless previously met)	3 hours
Electives (6 hours 720:299 research required for thesis option)	<u>10-11</u> hours
	32 hours

Besides 700:295, the remainder of the program will be determined by the student's needs in consultation with her/his advisor. No more than 6 semester hours in translation or 6 hours in interpreting may be applied toward this major.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

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 hours must represent courses taught in French.

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 M.A. committee and filed with the Department of Modern Languages** before comprehensive examinations may be taken.

Prerequisites: Student must hold a valid teaching license and have documentation of successful teaching experience. The student who has not completed 700:190, 720:101 and 720:103, or equivalents, before entering the program must add these courses to the requirements stated below.

Required:

Educational Psychology: 200:214	3 hours
Measurement and Research: 250:205 or equivalent	3 hours
French:	
Methods, one of which must be a methodological topic in 720:226, 720:286 or 720:289	6 hours
Linguistics, one of which must be at the 200/6000- level, and one language-specific	6 hours
Culture and civilization*	6 hours
Literature*	6 hours
Electives in French	4 hours
	34 hours

*One of these courses must be at the 200/6000-level. Courses must be taught in French.

**Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

Major in German

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/default.aspx.

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) undergraduate major or equivalent in the language of study, 2) two letters of recommendation, 3) statement of purpose in target language, 4) 550 TOEFL score or higher.

The major in German is available on the **thesis** and **non-thesis** options; a **minimum of 32 semester hours** is required for either option. **On the thesis option a minimum of 15 hours of 200/6000-level course work, including 6 hours of 740:299, is required. On the non-thesis option, a minimum of 12 hours of 200/6000-level course work is required, including no more than 3 hours of 740:299.** 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 Modern

Languages* 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:

Research Methods: 700:295	2-3 hours
Literature courses	8 hours
Linguistics, grammar and/or translation courses	8 hours
One course in civilization or culture (unless previously met)	3 hours
Electives (6 hours 740:299 research required for the thesis option)	<u>10-11</u> hours
	32 hours

Besides 700:295, the remainder of the program will be determined by the student's needs in consultation with her/his advisor. No more than 6 hours in translation or 6 hours in interpreting may be applied toward this major.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

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 hours must represent courses taught in German.

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 M.A. committee and filed with the Department of Modern Languages** before comprehensive examinations may be taken.

Prerequisites: Student must hold a valid teaching license and have documentation of successful teaching experience. The student who has not completed 700:190, 740:101 and 740:103, or equivalents, before entering the program must add these courses to the requirements stated below.

Required:

Educational Psychology: 200:214	3 hours
Measurement and Research: 250:205 or equivalent	3 hours
German:	
Methods, one of which must be a methodological topic in 740:286 or 740:289	6 hours
Linguistics, one of which must be at the 200/6000- level, and one language-specific	6 hours
Culture and civilization*	6 hours
Literature*	6 hours
Electives in German	4 hours
	34 hours

*One of these courses must be at the 200/6000-level. Courses must be taught in German.

**Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

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/default.aspx.

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.

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 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 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 Modern Languages* 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: 700:295	2-3 hours
Spanish: literature courses must include one 200/6000-level course in Spanish literature and one 200/6000-level course in Spanish-American literature	12 hours
Spanish: linguistics, grammar and/or translation courses	8 hours
Spanish: culture and civilization courses	3 hours
Electives (6 hours of 780:299 required for thesis option)	<u>6-7</u> hours
	32 hours

No more than 6 hours of translation 780:145 and/or 780:245 may be applied toward this major.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

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 of those credits must represent courses taught in Spanish.

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 Modern Languages* 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 700:190, 780:101 and 780:103, or equivalents, before entering the program must add these courses to the requirements listed below.

Required:

Educational Psychology: 200:214 or equivalent	3 hours
Measurement and Research: 250:205 or equivalent	3 hours
Spanish:	
Methods courses, one of which must be a methodological topic in 780:284, 780:286 or 780:289	6 hours
Linguistics, grammar and/or translation courses, one of which must be at the 200/6000-level, and one language-specific	6 hours
Culture and civilization courses	6 hours
Must be taught in Spanish, with at least one course at 200/6000-level	
Literature courses	8 hours
Must be taught in Spanish, with at least two courses at 200/6000-level	
Electives in Spanish	2 hours
	34 hours

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

Major in TESOL/Modern Languages

This major is offered cooperatively by the Department of English Language and Literature** and the Department of Modern Languages**, and is under the jurisdiction and supervision of the heads of these two departments.

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

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 7x0:101 and either 630:125 or 630:130 (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 Modern Language** faculties. See the TESOL Graduate Coordinator for details.

Required:

TESOL/Applied Linguistics: 630:192; 630:193 or 630:194; 630:201; 630:240 or 630:289 or 630:295; 630:292; 630:297	18 hours
Electives: One of the following language emphases for a minimum total emphasis of 15 hours of which hours must be at the 200/6000-level	15 hours
	33 hours

French Emphasis:

Languages: 700:190* or 700:290	3 hours
French: 720:124 or 720:125; and one of the following-720:203 or 720:207 or 720:270 or 720:271 or 720:289	6 hours
Plus courses approved by the graduate French advisor	<u>6</u> hours
	15 hours

German Emphasis:

Languages: 700:190* or 700:290	3 hours
German: 740:123 or 740:150	3 hours
Plus courses approved by the graduate German advisor	<u>9</u> hours
	15 hours

Spanish Emphasis:

Languages: 700:190* or 700:290	3 hours
Spanish: one graduate course in each of the following areas: culture and civilization; translation; linguistics	6-9 hours
Plus courses approved by the graduate Spanish advisor	<u>3-6</u> hours
	15 hours

*700:190 is required for a teaching endorsement in Modern Languages; 700:190 has a required corequisite 7xx:191 (2 hours), which cannot count toward an M.A. degree.

**Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

Note: International students must have achieved a Test of English as a Foreign Language (TOEFL) score of 600 (paper-based)/250 (computer-based), or the IELTS (International English Language Testing System) equivalent, in order to demonstrate their proficiency in English. An international student may be required to take additional English language development courses at the discretion of the TESOL/Applied Linguistics faculty.

Students who wish state licensure to teach should request information concerning licensure requirements from the Director of Teacher Education, University of Northern Iowa, or from the Department of Education in the state in which they plan to teach.

Program Certificates

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

The Department of Modern Languages* program certificates are not intended for native speakers of the respective languages.

*Plans are in progress to consolidate the Department of English Language and Literature and the Department of Modern Languages by June 30, 2011.

Certificate in French Language Studies

Required:

15 semester hours of course work, selected from the following 15 hours
 French: 720:001, 720:002, 720:003, 720:004, 720:011, 720:012,
 720:051, 720:061, 720:101, 720:102, 720:103. —
15 hours

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 hours
 German: 740:001, 740:002, 740:003, 740:004, 740:011, 740:012,
 740:013, 740:014, 740:100, 740:101, 740:103, 740:104. —
15 hours

A written and/or oral proficiency examination at the discretion of the certificate committee.

Certificate in Hispanic and Portuguese Studies

Required:

Spanish: 780:104
 OR
 Portuguese: 790:031 3 hours
 Portuguese courses above 790:001 6 hours
 Spanish courses above 780:002 6 hours
15 hours

Certificate in Hispanic Cultures

Required:

Spanish: 780:055*; 780:101 7 hours
 Spanish: 9 hours selected from the following 9 hours
 780:120, 780:123, 780:127, 780:141, 780:146, 780:152, 780:166. —
16 hours

*780:055 has prerequisite of 780:011 or equivalent.

Certificate in Portuguese Studies

Required:

15 semester hours of course work, selected from the following 15 hours
 Portuguese: 790:001, 790:002, 790:010, 790:020, 790:031 or any 620:031
 section cross listed with 790:031, 790:060, 790:101, 790:109, 790:123,
 790:180 or course pre-approved by department. —
15 hours

A final essay and interview are required.

Certificate in Russian Language Studies

Required:

15 semester hours of course work, selected from the following 15 hours
 Russian: 770:001, 770:002, 770:003, 770:004, 770:011, 770:012,
 770:013, 770:014, 770:091, 770:101, 770:103. —
15 hours

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 hours
 Spanish: 780:011, 780:053, 780:055, 780:100,
 780:101, 780:102, 780:103, 780:104, 780:105, 780:179. —
12 hours

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 780:011 Intermediate Spanish is required.

Required:

Spanish: 780:053* (2-3 hrs.); 780:101; 780:102* (2-3 hrs.) 7-9 hours

Electives:

Select one course from each of the following two categories 5-6 hours
 a. Spanish: 780:107 (2-3 hrs.), 780:108.
 b. Humanities: 680:123.
 Spanish: 780:120, 780:123, 780:127. —
12-15 hours

*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

International Commerce Certificate

Required:

A major or minor in a modern language.

The following courses:

- Marketing: 130:101 3 hours
- Management: 150:153; 150:189 6 hours
- Advanced writing course: 7xx:101 3 hours
- Economics: 920:024 3 hours

Elective course in business, culture and civilization, or other approved
 course, in the respective modern language 3 hours
 18 hours

Certificate in Translation: Spanish

Required:

15 semester hours of course work, distributed as follows:

- Courses in translation 6-9 hours
- Complementary courses approved by faculty committee 6-9 hours
 15 hours

An exam and/or portfolio may be required at the discretion of the certificate committee.

School of Music

(College of Humanities and Fine Arts*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

www.uni.edu/music

The School of Music offers the following undergraduate and graduate programs and graduate program certificates. Specific requirements for these programs are listed within this School of Music section in the following order:

Undergraduate Major (B.A.)

Music

Minors

Jazz Studies

Music

Undergraduate Majors (B.M.)

Composition-Theory

Music Education

Performance

Graduate Major (M.A.)

Music

Graduate Majors (M.M.)

Composition

Conducting

Jazz Pedagogy

Music Education

Music History

Performance

Piano Performance and Pedagogy

Program Certificates

Artist Diploma I

Artist Diploma II

The School of Music offers majors and minors under two baccalaureate degrees: the Bachelor of Arts and the Bachelor of Music.

The Music major under the Bachelor of Arts degree is a liberal arts program for the student interested in combining the discipline of music training with the breadth offered by a liberal arts curriculum. Five tracks are available to pursue within this degree program.

The 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. 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.

General Requirements for Undergraduate Majors

Music majors on all degree programs must choose an area of applied music (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 Instrumental Techniques (570:010) 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 (530:012; 530:112) 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 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 ensemble or a choral 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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 hours
Music Theory: 580:011; 580:012; 580:013; 580:014*; 580:015; 580:016; 580:017; 580:025; 580:026; 580:027	14 hours
Music History and Musicology: 590:001; 590:002; 590:003	8 hours
	34 hours

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/3xxx, may be counted toward the 100/3000/4000-level music elective.

*The corequisites for 580:014 (580:018 and 580:028) are only required for students pursuing Track 1 General Studies in Music.

Tracks (choose 1, 2, 3, 4, or 5 below):

1. General Studies in Music (12 hours beyond Core)

Required:

B.A. Core	34 hours
Applied Music: (540:xxx), including 2 additional hours of 100/3000/4000-level work in major area	4 hours
Music Theory: 580:018; 580:028; 580:110	4 hours
Electives in music (limited to 100/3000/4000-level courses in the following areas only: 560:xxx, 570:xxx, 580:xxx, 590:xxx, 595:xxx. Students who choose composition as their concentration will elect 580:125.)	4 hours
	46 hours

2. Jazz Studies (15 hours beyond Core)

Required:

B.A. Core (exclude 590:001)	32 hours
Jazz Ensembles: 530:116-06	2 hours
Applied Improvisation (upon completion of required hours of traditional applied music and the 3 hours of Instrumental Jazz Improvisation (560:052/152), students must take two semesters of Applied Improvisation, any section, for 1 hour of credit per semester: 540:155	2 hours
Instrumental Jazz Improvisation (three sections, 1 hour each - Jazz Theory, Beginning Improvisation, Intermediate Improvisation): 560:052/152	3 hours
Jazz Arranging/Composition: 580:127; 580:128; 580:132	5 hours
Jazz History: 590:160 (substitution for 590:001)	3 hours
	47 hours

Admission to this track is by special audition only, in addition to the audition for all music majors.

3. String Pedagogy (19 hours beyond Core)

Required:

B.A. Core	34 hours
Chamber Music: 530:012	2 hours
Applied Music (including 2 hours of a secondary stringed instrument): 540:xxx	4 hours
Techniques (High and Low Strings): 570:010	2 hours
Instrumental Pedagogy (String): 570:138 (repeat, taking 2 sections)	4 hours
Methods: 570:161**	1 hour
Music Theory: 580:110	2 hours
Music Literature: 595:120-06	2 hours
Internship: 570:103	2 hours
	53 hours

**570:161 has prerequisite of 570:050. Students pursuing Track 3 are not required to have the prerequisite 570:050.

Full Recital (must include at least one selection performed on secondary string instrument).

Admission to this track is by special audition/interview only, in addition to audition required of all music majors.

4. Performing Arts Management (20 hours beyond Core)

Required:

B.A. Core	34 hours
Accounting: 120:030	3 hours
Marketing: 130:101	3 hours
Management/Music Techniques: 150:153; 560:111; 560:112	9 hours
Music Techniques: 560:113	0 hours
Music Education and Methods: 570:101	2 hours
Economics: 920:024	<u>3</u> hours
	54 hours

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 hours
Communication Studies production courses: 48E:003; 48E:011; 48E:191 ...	9 hours
Music Technology: 580:122; 580:123	5 hours
Composition (focus on electronic music): 580:030	2 hours
Internships (recording and sound engineering): 570:102	2 hours
Senior Project in Music Technology: 580:190	<u>0</u> hours
	52 hours

Interview required for admission to this program, in addition to the audition required of all music majors.

Minors**Jazz Studies Minor**

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

Jazz Studies minors are not permitted to declare the Jazz Specialization C within the Music Education major.

Required:

Music, Organizations and Ensembles: 530:x16 (Jazz Bands and Combos)	6 hours
Applied Music (540:xxx)	4 hours
Music Techniques: 560:152	3 hours
Music Theory: 580:127; 580:128; 580:132	5 hours
Music History and Musicology: 590:160	<u>3</u> hours
	21 hours

Music Minor

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

Required:

Music: 520:010	3 hours
Music, Organizations and Ensembles (530:xxx)	2 hours
Applied Music (540:xxx)	4 hours
Music Theory: 580:011; 580:012; 580:015; 580:016; 580:025; 580:026	8 hours
Electives in music (560:xxx, 570:xxx, 580:xxx, 590:xxx, 595:xxx)	<u>7</u> hours
	24 hours

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 and the following specified major requirements to complete the minimum of 121 hours. Liberal Arts Core courses included in major program requirements are distinguished by italics.

Required:

Music Theory/Applied Music:	20 hours
Composition Class: 580:030 (2 hrs.);	
Music and Technology: 580:122 (2 hrs.);	
Applied Composition: 540:054 (4 hrs.); 540:154 (12 hrs.).	
Music, Organizations and Ensembles (530:xxx)	8 hours
Applied Music: Applied Piano 540:060 (beyond 540:P46)	2 hours
Music Techniques: 560:017 or 560:018; 560:021 or 560:022; 560:052/560:152	6 hours
Music Theory: 580:011; 580:012; 580:013; 580:014; 580:015; 580:016; 580:017; 580:018; 580:025; 580:026; 580:027; 580:028; 580:110; 580:125; 580:126	24 hours
Music History and Musicology: 590:001; 590:002; 590:003; 590:1xx/3xxx or 595:1xx/3xxx	11 hours
Electives in music: (100/3000/4000-level)	<u>8</u> hours
	79 hours

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 580:110 before they can take Counterpoint Survey 580:125.
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). Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Music, Organizations and Ensembles (530:xxx)	7 hours
Applied Music (540:xxx) see specializations below	
Music Education and Methods: 570:050; 570:141	5 hours
Music Theory: 580:011; 580:012; 580:013; 580:014; 580:015; 580:016; 580:017; 580:018; 580:025; 580:026; 580:027; 580:028; 580:110	18 hours
Music History and Musicology: 590:001; 590:002; 590:003	8 hours
CORE TOTAL (applicable to all specializations below)	38 hours
Specialization A below	<u>28</u> hours
MAJOR TOTAL	66 hours
Specialization B below	<u>29</u> hours
MAJOR TOTAL	67 hours
Specialization C below	<u>39</u> hours
MAJOR TOTAL	77 hours

Specializations (choose A, B, or C below)-

Specialization A (Choral/General: K-8, 5-12)

Applied Music: (540:xxx) including at least 4 hours of 100/3000/4000-level work in major area	12 hours
Applied Music: Applied Piano 540:060 (taken beyond 540:P46)	2 hours
Music Techniques: 560:018; 560:022; 560:030; 560:031	7 hours
Music Education and Methods: 570:075; 570:130; 570:165	<u>7</u> hours
	28 hours

Specialization B (Instrumental: K-8, 5-12)

Applied Music (540:xxx) including at least 4 hours of 100/3000/4000-level work in major area	14 hours
Music Techniques: 560:017; 560:021	5 hours
Music Education and Methods: 570:010 (6 hrs., including one course each from brass, percussion, strings, and woodwinds); 570:161; 570:162; 570:163; 570:164	<u>10</u> hours
	29 hours

Specialization C (Jazz: K-8, 5-12)

Applied Music (540:xxx) including at least 4 hours of 100/3000/4000-level work in major area	14 hours
Music Techniques: 560:017; 560:021; 560:052/560:152	8 hours
Music Education and Methods: 570:010; 570:161; 570:162; 570:163; 570:164	10 hours
Music Theory: 580:127; 580:128	4 hours
Music History and Musicology: 590:160	<u>3</u> hours
	39 hours

Note: Music Education majors will meet the requirements of 250:150 Classroom Evaluation Instruments (Professional Education Requirements), by completing 570:141 (all majors), and 570:161, 570:162, 570:163, and 570:164 (instrumental and jazz majors); **or** 570:165 (Choral/General majors). They will meet the requirements of 240:020 Educational Media by completing 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.
6. 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). Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Track A (Instrumental)

Required:

Music, Organizations and Ensembles (530:xxx)	8 hours
Applied Music (540:xxx) including at least 12 hours of 100/3000/4000-level work in the major area	22 hours
Music Techniques: 560:017; 560:021	5 hours
Music Pedagogy: 570:138* (instrumental majors) or 570:148 (keyboard majors)	2 hours
Music Theory: 580:011; 580:012; 580:013; 580:014; 580:015; 580:016; 580:017; 580:018; 580:025; 580:026; 580:027; 580:028; 580:110; 580:122; 580:1xx/3xxx/4xxx	23 hours
Music History and Musicology/Performance Literature and Repertory: 590:001; 590:002; 590:003; 595:120; 590:1xx/3xxx/4xxx and/or 595:1xx/3xxx/4xxx	13 hours
Electives: 540:xxx (maximum of 4 hrs.), 560:xxx, 570:xxx, 580:xxx, 590:xxx, 595:xxx only	<u>7</u> hours
	80 hours

*570:138 has prerequisite of 570:010 or teaching experience.

Track B (Vocal)

Required:

Music, Organizations and Ensembles (530:xxx)	8 hours
Applied Music (540:xxx) including at least 12 hours of 100/3000/4000-level work in the major area	22 hours
Music Techniques: 560:018; 560:030; 560:031; 560:032; 560:033; 560:060; 560:161	9 hours
Music Pedagogy: 570:130	2 hours
Music Theory: 580:011; 580:012; 580:013; 580:014; 580:015; 580:016; 580:017; 580:018; 580:025; 580:026; 580:027; 580:028; 580:110; 580:122	20 hours
Music History and Musicology/Performance Literature and Repertory: 590:001; 590:002; 590:003; 595:120; 590:1xx/3xxx/4xxx and/or 595:1xx/3xxx/4xxx	13 hours
Electives: 540:xxx (maximum of 4 hrs.), 560:xxx, 570:xxx, 580:xxx, 590:xxx, 595:xxx only	<u>6</u> hours
	80 hours

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

Program Requirements

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 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 5xx:299 Research (course prefix 520-595).**

Required:

Graduate Music Core:

Music Theory: 580:210; 580:211	6 hours
Music History and Musicology: 590:222	3 hours
Music Literature: one course from the following - 590:110, 590:111, 590:112, 590:114, 590:115	3 hours

Specialization: Applied Music

(540:1xxg/5xxx)	4 hours
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Research

.....	3 or 6 hours
(6 hours of 5xx:299 Research for thesis option - with course prefix 520-595).	
(3 hours of 5xx:299 Research for non-thesis option - with course prefix 520-595).	

Electives: music (all areas except applied music) 8 hours

Other electives as approved by the department 0 or 3 hours

Thesis option - 0 hrs.

Non-thesis option - 3 hrs.

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30 hours

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, 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

An applicant for a graduate degree program in the School of Music should possess the baccalaureate degree in music or a demonstrated equivalent. The student should have attained a high degree of proficiency in one or more of the following areas: performance, theory-composition, conducting, music education, or music history. In addition to the common regulations and requirements applicable to all master's degree programs, the following are required for admission to the specific major:

Composition majors: portfolio and, if possible, recordings of compositions.

Conducting majors: in-person audition and interview with at least two members of the Graduate Conducting faculty. It is also recommended the applicant have two years of conducting experience beyond the baccalaureate degree. A DVD or digital video file recording may be submitted in lieu of the in-person audition, but may not satisfy the audition requirement. Recordings should be of high quality and show the applicant in rehearsal situations, though performance recordings may also be included. Video recordings should include two or three works of varying styles, and be taken so as to clearly indicate the conductor's facial and other physical gestures.

Jazz Pedagogy: in-person audition and interview.

Music Education majors: in-person or telephone interview with a member of the Graduate Music Education faculty.

Music History majors: scholarly paper.

Performance majors and Piano Performance and Pedagogy majors: in-person audition (a recording would be accepted if the in-person audition would pose undue hardship).

A prospective major must take a written diagnostic examination in the areas of theory, music history, expository writing skills, and in the area of claimed competency, if different from the above (e.g., piano, brass, or woodwind instruments). This examination normally is taken immediately prior to initial registration as a graduate student. If a student is required to take remedial courses to make up any deficiency in preparatory work, those courses will not be counted toward degree requirements.

The Graduate Record Examination (General Test) **is not** required for admission to the Master of Music programs.

A minimum of 15 semester hours of 200/6000-level course work is required of all majors enrolled for the thesis/recital option. The thesis option requires a minimum of 6 semester hours of 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 (520-595 course prefix).

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 any other admission requirements. Graduate Information and application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

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**.

Required:

Graduate Music Core:	
Music Theory: 580:210; 580:211	6 hours
Music History and Musicology: 590:222	3 hours
One course from the following -	
590:110, 590:111, 590:112, 590:114, 590:115	3 hours
Specialization:	
Applied Music: 540:254	12 hours
Music electives: 11 hours, primarily in the areas of music literature and theory	11 hours
Recital: 540:288	0 hours
	<u>35</u> hours

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**.

Required:

Graduate Music Core:	
Music Theory: 580:210; 580:211	6 hours
Music History and Musicology: 590:222	3 hours
One course from the following -	
590:110, 590:111, 590:112, 590:114, 590:115	3 hours
Specialization:	
Music Organizations and Ensembles: 530:1xx/5xxx*	4 hours
(Only one hour of ensemble per semester will count toward degree requirements.)	
Applied Music: 540:221 or 540:222	12 hours
Performance Literature and Repertory: 595:131 or 595:140 or 595:142	3 hours
Recital: 540:288	0 hours
Music electives: as approved by advisor	<u>5</u> hours
	36 hours

*Large ensemble placement will be determined by audition.

Additional requirements:

1. Two consecutive semesters (fall/spring) of residency with fulltime status (minimum of 9 graduate hours per semester).
2. Conducting recital.
3. Recital abstract.
4. Conducting document (research paper).
5. Score reading:
 - A. *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).
 - B. *Instrumental Conducting Majors* - Ability to read and interpret a moderately complex instrumental score.
6. 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**.

Required:

Graduate Music Core:

Music Theory: 580:210; 580:211 6 hours

Music History and Musicology: 590:222 3 hours

One course from the following -

590:110, 590:111, 590:112, 590:114, 590:115 3 hours

Specialization:

Music Techniques: 560:152 or 560:252*; 570:252 4 hours

Music Theory: 580:127; 580:128; 580:132 5 hours

Music, Organizations and Ensembles: 530:116 8 hours

(2 hrs. in jazz ensembles participation
required each semester of residence)

Research: 560:299 2 hours

Recital: 540:288 0 hours

Music electives 5 hours

To be selected from the following:

Applied Music: 540:140, 540:153, 540:156, 540:157.

Music Theory: 580:122.

Music History and Musicology: 590:160 preferred.

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36 hours

*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. 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.**

Required:

Graduate Music Core:

Music Theory: 580:210; 580:211 6 hours

Music History and Musicology: 590:222 3 hours

One course from the following -

590:110, 590:111, 590:112, 590:114, 590:115 3 hours

Music Education core:

Research in Music Education and Methods: 570:221 3 hours

Research: 570:299 3 or 6 hours

Thesis option (6 hrs.)

Non-thesis option (3 hrs.)

Music Education and Methods: 570:230; 570:255; 570:282 9 hours

Music Education electives as approved by music education faculty (choose from the following):

530:1xxg/5xxx (1-2 hrs.), 540:1xxg/5xxx (1-4 hrs.), 560:121,

560:122, 560:135, 560:152,

570:130, 570:145, 570:175, 570:197, 570:287,

580:127, 590:151, 595:131, 595:140, 595:142 3 or 6 hours

Thesis option (3 hrs.)

Non-thesis option (6 hrs.)

33 hours

Thesis Option (contingent on availability of faculty):

Required:

Research: 570:299 (in lieu of 3 hours of electives)

Note: A maximum of 2 hours of ensembles (530:xxx) and 4 hours of applied music (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.**

Required:

Graduate Music Core:

Music Theory: 580:210; 580:211 6 hours

Music History and Musicology: 590:222 3 hours

One course from the following -

590:110, 590:111, 590:112, 590:114, 590:115 3 hours

Specialization:

Music History and Musicology: 590:299 (research for thesis - 6 hrs.);

590:1xx/5xxx (music literature - 6 hrs.) 12 hours

Electives: (maximum of 2 hrs. may be in applied music) 7 hours

31 hours

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.**

Required:

Graduate Music Core:

Music Theory: 580:210; 580:211 6 hours

Music History and Musicology: 590:222 3 hours

One course from the following -

590:110, 590:111, 590:112, 590:114, 590:115 3 hours

Recital: 540:288 0 hours

Specialization: (Choose A, B, or C) 20-24 hours

32-36 hours

Specialization:

A. Wind, Percussion, Keyboard or Strings

Music Ensemble: 530:1xxg/5xxx*** 2-4 hours

Applied Music: 540:2xx/6xxx (variable) 10 hours

Performance Literature and Repertory*: 595:120 2-4 hours

Music electives: primarily in the areas of music theory and music

literature 5-7 hours

21-23 hours

- B. Voice**
- Music, Organizations and Ensembles: 530:110 and 530:119** 2 hours
 Applied Music: 540:249 8 hours
 Music Techniques: 560:145; 560:161 4 hours
 Music Techniques: 560:223 4 hours
 Performance Literature and Repertory: 595:120 (section 09, 10,
 or 12) 4 hours
 Music Education and Methods: 570:130 2 hours
 24 hours
- C. Multiple Woodwind**
- Music Ensemble: 530:1xxg/5xxx** 2 hours
 Applied Music: 540:2xx/6xxx (primary instrument) 6 hours
 Applied Music: 540:1xxg/5xxx (secondary instrument) 4 hours
 Performance Literature and Repertory: 595:120 2 hours
 Instrumental Pedagogy: 570:138 2-6 hours
 Music electives: primarily in the areas of music theory, music history,
 music techniques, and performance; only 2 hours of 560:110g
 may count toward this requirement 4 hours
 20-24 hours

*Students in the Keyboard specialization are required to take 595:120 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 530:117 Symphony Orchestra. Chamber Music and/or accompanying may be elected by keyboard specialization.

Additional requirements:

1. Two consecutive semesters (fall/spring) of residency with fulltime status (minimum of 9 graduate hours per semester).
2. Performance recital.
3. Recital abstract.
4. Two successful applied jury examinations (grades B or higher).
5. Voice specialization must:
 - A. Demonstrate diction proficiency (by diagnostic examination) in English, Italian, German, and French. Otherwise one must successfully complete 560:030/560:032 and/or 560:031/560:033.
 - B. 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:
- A. Demonstrate proficiency on a third woodwind instrument (flute, oboe, clarinet, bassoon, or saxophone).
 - B. Students studying bassoon as one of the three required instruments must take at least one hour of Double Reed Making 560:110 Section 1: Bassoon. Students studying oboe as one of the three required instruments must take at least one hour of Double Reed Making 560:110 Section 2: Oboe.
 - C. Students must perform on at least two of the 5 woodwind instruments listed above on the graduate recital.
 - D. Students studying flute as the primary or secondary instrument must take 570:138 Instrumental Pedagogy: Flute.
 - E. Students studying clarinet as the primary or secondary instrument must take 570:138 Instrumental Pedagogy: Clarinet.
 - F. All students on this specialization must take 570:138 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** 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 option.**

Required:

Graduate Music Core:

Music Theory: 580:210; 580:211 6 hours

Music History: 590:222 3 hours

One course from the following -

590:110, 590:111, 590:112, 590:114, 590:115 3 hours

Piano performance:

Applied Music: 540:246 6 hours

Music Literature: 595:120 (Piano I); 595:120
(Piano II) 4 hours

Piano pedagogy:

Music Education and Methods: 570:148; 570:149;
570:257; 570:258; 570:260 10 hours

Recital: 540:288 0 hours

Electives 2 hours

Recommended: 530:112, 540:246, 560:135, 570:250, 570:260,
570:285, 580:122.

—
34 hours

Additional requirements:

Final project-

Options: Full solo recital/recital abstract.

Half solo recital and pedagogy project.

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.

Artist Diploma (I)

Diploma (I) may be completed in two semesters, and requires a minimum of 14 hours in the following program:

Required:

Applied Music: 540:2xx/6xxx	6 hours
Ensemble, or chamber ensemble, or opera performance, or accompanying	2 hours
Electives in music	6 hours
(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.)	
	— 14 hours

Additional requirements:

- Applied jury examination as required.
- One full solo recital.
- All course work must be completed with a grade of B or higher, and applied study with a grade of A.

Artist Diploma (II)

Diploma (II) may be completed in four semesters, and requires a minimum of 28 hours in the following program:

Required:

Applied Music: 540:2xx/6xxx	12 hours
Ensemble, or chamber ensemble, or opera performance, or collaborative playing	4 hours
Electives in music	12 hours
(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.)	
	— 28 hours

Additional requirements:

- Applied jury examination as required.
- Two full solo 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 and Fine Arts*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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

Required:

Philosophy: 650:045; 650:142; 650:150 9 hours

At least three of the following: 650:100, 650:101,
650:103, 650:104 9-12 hours

Electives from the following: *650:021*, 650:105, 640:113/650:113,
650:119, 650:143, 640:152/650:152, *650:151/CAP:151*, 650:153,
650:160, 650:164, 650:166, 650:172, 640:250/650:250 9-12 hours

Additional electives in philosophy 6 hours
36 hours

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

Required:

At least 9 hours from the following category:

Historical and Cultural Studies of Religion: 640:130; 640:132; 640:134; 640:136 . . . 9 hours

At least 6 hours from each of the following categories:

Textual and Analytic Studies of Religion: 640:030, 640:110,
640:113/650:113, 640:126, 640:141, 640:142, 640:154, 640:158 6 hours

Social and Ethical Studies in Religion: 640:115, 640:138, 640:140,
640:152/650:152, 640:162, 640:165, 640:168, 640:171 6 hours

Electives in world religions (not more than two from
640:173/650:173/CAP:173, 640:174/650:174, 640:175/650:175,
640:197/650:197, 640:250/650:250) 15 hours
36 hours

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

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

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: 640:171	3 hours
Philosophy: 650:142	3 hours
One of the following	3 hours
Study of Religion: <i>640:024, 640:040.</i>	
Philosophy: <i>650:021, 650:050.</i>	
One of the following	3 hours
Philosophy or Study of Religion: <i>640:173/650:173/CAP:173,</i>	
<i>640:174/650:174, 640:175/650:175.</i>	
Philosophy: 650:245.	
Electives: at least one of the following	<u>3</u> hours
	15 hours

List of electives:

Management: 150:100.
 Finance: 160:162.
 Teaching: 280:170.
 Psychology: 400:160.
 Social Work: 450:194.
 Communication: 48C:108, *48C:128/CAP:128.*
 Study of Religion: 640:115.
 Philosophy: 650:105, 650:164, 650:172.
 Philosophy or Study of Religion: *640:152/650:152, 640:194/650:194/CAP:194, 640:197/650:197.*
 Humanities: 680:130.
 Political Science: 941:160, 941:161.
 History: 961:122, 961:142, 963:161.

Philosophy Minor

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

Required:

Philosophy: <i>650:021</i>	3 hours
Two courses in history of philosophy series	6 hours
Electives in philosophy	<u>12</u> hours
	21 hours

Religion Minor

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

Required:

Study of Religion: 640:024; 640:141 or 640:142	6 hours
Electives in world religions	<u>15</u> hours
	21 hours

Department of Physics

(College of Natural Sciences*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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 Majors (B.S.)

Applied Physics

Physics

Undergraduate Majors (B.A.)

Physics

Physics-Teaching

Combined B.A./P.S.M. or B.S./P.S.M. Applied Physics

Minors

Nanoscience and Nanotechnology

Physics

Graduate Major (P.S.M.)

Applied 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.S. Applied Physics major is especially suitable for students seeking industrial or other applied employment after the B.S. degree. It could also serve as a background for graduate study in some applied science or engineering areas.

The B.A. Physics major is for students (including double majors) desiring a broad background in science or who are taking a substantial amount of work in other areas. With appropriate choice of electives the B.A. Physics major meets the needs of pre-medical and pre-law students and students planning careers in science-related administration, business, or technical writing.

The B.A. Physics Major Teaching is for students preparing to be physics teachers at the secondary school level.

Bachelor of Science Degree Programs

Note: To graduate with a B.S. degree in Physics or Applied Physics, a student must earn an overall grade point average of at least 2.50 in all courses applied toward the major.

Applied Physics Major

The B.S. Applied 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Mathematics: 800:060; 800:061; 800:062; 800:076; 800:149	18 hours
Computer Science: 810:036	3 hours
Chemistry and Biochemistry: 860:044 and 860:048, or 860:070	5-8 hours
Physics: 880:130; 880:131; 880:132; 880:137; 880:138; 880:187	18 hours
Choose ONE of the following two options	<u>22</u> hours
	66-69 hours

Option 1: Applied Physics

Required:

Physics: 880:140; 880:150; 880:152; 880:154; 880:174; 880:179 (2 hrs.) or 880:184 (2 hrs.)	19 hours
Electives in physics: 100-level^ (may include 870:130)	<u>3</u> hours
OPTION 1 TOTAL	22 hours

^See course descriptions for 4-digit numbers associated with these 100-level courses.

Option 2: B.S. Applied Physics/Engineering Dual-Degree Major

Qualified students may pursue a dual-degree major leading to a B.S. Applied Physics degree from the University of Northern Iowa (UNI) and a B.S. engineering degree from Iowa State University (ISU) or the University of Iowa (UI). This requires approximately three years of attendance at UNI followed by approximately two years of attendance at ISU or UI. Students who successfully complete the UNI part of the major are guaranteed admittance into the ISU or UI portion of the major if they have: an average of at least B (3.00 GPA) in all course work; an average of at least B (3.00 GPA) in the chemistry and biochemistry, mathematics, and physics courses required by the UNI Department of Physics; and the positive recommendation of the Head, Department of Physics.

The engineering courses completed toward a B.S. engineering degree at ISU or UI will be transferred to UNI to provide 6-9 credit hours of electives for the applied physics portion of the major. The UNI internship requirement will be satisfied through comparable practical experience at ISU or UI that has been approved by the Head, Department of Physics, UNI.

In the first three years at UNI students in the major must complete at least 90 semester credit hours of course work. In addition to the courses listed above, the students are expected to complete courses to satisfy the Liberal Arts Core requirements. Credit, but no grades, for courses at UNI passed with a grade of C or better will be transferred to ISU or UI as credit for equivalent courses there, even though they may not be required by the engineering curriculum selected by the student.

During the years at ISU or UI, students will complete the requirements specified in the College of Engineering Catalog at the time of their admission. Course work completed at ISU or UI will be transferred to UNI to complete the requirements for the applied physics portion of the major. Upon successful completion of the major, students will be eligible to participate in commencement ceremonies at both UNI and either ISU or UI.

Required:

Physics: 880:140; 880:150; 880:152; 880:154; 880:174	17 hours
Physics electives:	5 hours
(Course work must be completed at ISU or UI that satisfies the UNI requirements of 3 credit hours of electives in Applied Physics.	
The UNI internship requirement [2 hours] will generally be satisfied through comparable practical experience at ISU or UI that has been approve by the Head, Department of Physics, UNI.)	
OPTION 2 TOTAL	22 hours

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

Required:

Mathematics: <i>800:060</i> ; 800:061; 800:062; 800:076; 800:149	18 hours
Chemistry and Biochemistry: <i>860:044</i> and 860:048, or <i>860:070</i>	5-8 hours
Computer Science: 810:036	3 hours
Physics: 880:130; 880:131; 880:132; 880:136; 880:137; 880:138; 880:150; 880:166; 880:167; 880:172; 880:180 (2 hrs.); 880:187	39 hours
Electives:	
Physics: 100-level [^] (may include 870:130)	3 hours
	68-71 hours

[^]See course descriptions for 4-digit numbers associated with these 100-level courses.

Bachelor of Arts Degree Programs

Physics Major

The B.A. Physics 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:

Mathematics: *800:060*; 800:061 8 hours

Physics: *880:130*; 880:131; 880:132; 880:137; 880:138; 880:152 21 hours

Electives:

Mathematics or Computer Science 3-4 hours

One of the following: 800:062, 800:076, or 810:036.

Physics: 100-level[^] 7 hours

College of Natural Sciences* 14 hours

Elective courses must be ones that count toward a major in the department in which the course is offered or courses numbered 830:xxx.

_____ hours
53-54 hours

[^]See course descriptions for 4-digit numbers associated with these 100-level courses.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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

Required:

Mathematics: *800:060*; 800:061 8 hours

Science and Science Education: 820:190; 820:193; 820:196 8 hours

Physics: *880:130*; 880:131; 880:132; 880:137; 880:138 17 hours

Electives:

Physics: (all 100-level[^] courses) 7 hours

Non-physics science courses from the College of Natural Sciences*

(excluding all 820:xxx and mathematics below *800:060*) 6 hours
46 hours

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.

[^]See course descriptions for 4-digit numbers associated with these 100-level courses.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Combined B.A./P.S.M. or B.S./P.S.M. Applied Physics

The B.A./P.S.M. or B.S./P.S.M. degree program is a five-year program offered on the **non-thesis** option only, leading to both the B.A./B.S. in physics or applied physics and the P.S.M. degree in applied physics. This degree program prepares students for careers in applied physics or engineering businesses and industries. Emphasis is placed on blending core physics knowledge and applied skills with an understanding of business and an internship experience. Students interested in this program may declare their intent by the end of the junior year, provided they have completed 880:150 and 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./P.S.M. or B.S./P.S.M. Program in Applied Physics indicated on the application itself. Application for graduate admission can be found at www.grad.uni.edu/admission/default.aspx.

Once admitted to the program, undergraduate students, 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.

Minors

Nanoscience and Nanotechnology Minor

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

Required:

Industrial Technology: 330:188	3 hours
Mathematics: <i>800:060</i> ; 800:061	8 hours
Chemistry and Biochemistry: <i>860:044</i> and 860:048, or <i>860:070</i>	5-8 hours
Physics: <i>880:054</i> or <i>880:130</i> ; 880:056 or 880:131; 880:144 or 860:144; 880:148 or 860:148	<u>14</u> hours
	30-33 hours

Physics Minor

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

Required:

Physics: <i>880:054</i> and 880:056; or <i>880:130</i> and 880:131	8 hours
Electives from the following	12 hours
Physics: 880:140, 880:144, 880:148, 880:152, 880:154, 880:187.	<u> </u>
	20 hours

Professional Science Master's Degree Program

Major in Applied Physics

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/default.aspx.

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

The Professional Science Master's Degree in Applied Physics prepares students for careers in applied physics or engineering businesses and industries. Emphasis is placed on blending core physics knowledge and applied skills with an understanding of business 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 Physics or a related discipline. To be admitted, students must also have taken the following courses or their equivalents: Physics III (880:132) or equivalent; Modern Physics (880:137); and Modern Physics Laboratory (880:138) or a physics laboratory course at an equivalent level.

This major is available on the **non-thesis** option. A **minimum of 30 hours** is required. A **minimum of 17 hours of 200/6000-level course work is required.**

Successful completion of an oral comprehensive examination is required for this non-thesis option.

Required:

Mathematics: 800:121; 800:123	6 hours
Science and Science Education: 820:209; 820:215; 820:289 (1 hr.); 820:295 (4 hrs.)	11 hours
Physics: 880:205; 880:220	6 hours
Electives: (Physics electives 100g/5xxx or above)	7 hours
Physics: 880:136, 880:140, 880:144, 880:148, 880:150, 880:152, 880:166, 880:167, 880:172, 880:174.	
	— 30 hours

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

Required core:

Communication: 48C:080*; 48C:160	6 hours
Journalism: 48J:002	3 hours
Political Science: 942:014; 943:024	6 hours
History: 961:116	3 hours
Geography: 970:114	3 hours
Internship	4 hours
Communication: 48C:197 or Political Science: 940:181*.	
Senior Seminar in Communications or Political Science: 48C:155 or 940:184	3 hours
Emphases (select two areas of focus with 6 hours from each area)	<u>12</u> hours
	40 hours

Focus Area 1: State and Local Public Affairs (6 hours)

Political Science: 942:048, 942:131, 942:132.

Focus Area 2: Political Campaigns and Elections (6 hours)

Political Science: 942:112, 942:134, 942:150, 942:151.

Focus Area 3: International Affairs (6 hours)

Political Science: 943:119, 943:143, 943:145.

Geography: 970:116.

Focus Area 4: International Communication (6 hours)

Communication: 48C:151.

Journalism: 48J:151.

Public Relations: 48P:170.

Focus Area 5: Decision-Making (6 hours)

Communication: *48C:128/CAP:128**, 48C:148, 48C:178.

Focus Area 6: Political Discourse (6 hours)

Communication: 48C:113, 48C:123.

Sociology: 980:138*.

Focus Area 7: Media Analysis (6 hours)

Electronic Media: 48E:021, 48E:131*, 48E:139*, 48E:141*, 48E:161.

*Choice of courses and subsequent prerequisites may increase the length of this program. These courses have additional prerequisites as follows:

48C:080 has prerequisite of *48C:001*. *48C:001* satisfies Category 1B of the Liberal Arts Core.

940:181 has prerequisites of 940:010; 15 hours of political science; Political Science, Political Communication, or Public Administration major.

48C:148 has prerequisite of 48C:004.

980:138 has prerequisite of *980:001* or *990:011*, either of which will satisfy Category 5A of the Liberal Arts Core.

48E:131, 48E:139, and 48E:141 have prerequisite of 48E:021.

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

Required:

Political Science: 940:010; 941:050; <i>942:014</i> ; <i>943:024</i> ; 944:040	15 hours
Students must take at least one upper-level course in each of the four sub-fields of political science:	
Political Theory: 941:1xx/3xxx/4xxx	3 hours
American Politics: 942:1xx/3xxx/4xxx	3 hours
International Relations: 943:1xx/3xxx/4xxx	3 hours
Comparative Politics: 944:1xx/3xxx/4xxx	3 hours
Students must take one Senior Seminar in Political Science 940:184	3 hours
Electives in political science	<u>9</u> hours
	39 hours*

*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.

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

Required:

Political Science: 940:010; 940:111; <i>942:014</i> ; 942:048; 942:153; 942:172; 942:173; 942:174; 942:188	27 hours
Internship: 940:181	4-8 hours
Area of concentration: choose one of the following focus areas	<u>9</u> hours
	40-44 hours

Focus Area 1 - Economics and Finance (select 3 courses)

Accounting: 120:030, 120:031.
Economics: 920:053, 920:054, 920:117*, 920:125*, 920:148.
Political Science: 942:130.

Focus Area 2 - Community and Regional Development (select 3 courses)

Political Science: 942:130, 942:131.
Geography: 970:117, 970:164, 970:168, 970:174.
Criminology: 982:153*.

Focus Area 3 - Human Resources (select 3 courses)

Management: 150:153[^], 150:165, 150:166.

Psychology: 400:157*, 400:158*.

Social Work: 450:163*.

Communication Studies: 48C:132.

Political Science: 940:173, 942:130.

*These courses have additional prerequisites as follows:

920:117 and 920:125 have prerequisites of 920:053 and 920:054. **Both** 920:053 **and** 920:054 may substitute for 920:024 which will satisfy Category 5B of the Liberal Arts Core.

982:153 has prerequisites of 980:001 and 982:022. 980:001 will satisfy Category 5A of the Liberal Arts Core.

400:157 and 400:158 have prerequisite of 400:001. 400:001 will satisfy Category 5B of the Liberal Arts Core.

450:163 has prerequisite of 980:001. 980:001 will satisfy Category 5A of the Liberal Arts Core.

[^] 15A:153 is the designated course number in the Schedule of Classes for non-business majors who will need to take 150:153.

Minors**International Affairs Minor-Liberal Arts**

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

The International Affairs minor is composed of 21 hours in political science and related disciplines. The requirements are as follows:

Required:

Political Science: 943:024; 944:040 6 hours

At least two of the following 6 hours

Economics[^]: 920:136.

Political Science: 943:119, 943:120, 943:125, 943:126, 943:127,
943:129, 943:143, 943:145, 944:121, 944:123.

At least one of the following 3 hours

Political Science: 944:135, 944:162, 944:164, 944:165, 944:167.

Two of the following*: any *additional* electives of the

courses listed above 6 hours

OR

Communication: 48C:151.

Journalism: 48J:151[^].

French: 720:124[^], 720:125[^].

German: 740:123[^], 740:150[^].

Russian: 770:141[^], 770:142[^].

Spanish: 780:120[^], 780:123[^], 780:152.

Portuguese: 790:123[^].

Economics[^]: 920:143, 920:175.

History: 963:154, 963:157, 963:160, 963:169,

963:170, 963:172, 963:174, 964:175, 964:180,

964:182, 964:187.

Geography: 970:114, 970:116, 970:141.

Sociology/Anthropology: 980:177[^]/990:177[^], 982:162[^]/990:162[^].

—
21 hours**

*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.

Note: Choice of courses and subsequent course prerequisites may increase the length of this program.

^These courses have additional prerequisites as follows:

920:053 and 920:054 are prerequisites to all 100/2000/3000/4000-level economics courses. Either 920:024 or **both** 920:053 **and** 920:054 will satisfy Category 5B of the Liberal Arts Core.

48J:151 has prerequisite of 48J:002.

720:124 and 720:125 have prerequisite of 720:101.

740:123 and 740:150 have prerequisite of 740:101.

770:141 and 770:142 have prerequisite of 770:103.

780:120 and 780:123 have prerequisite of 780:101 or 780:150.

790:123 has prerequisite of 790:101.

980:177/990:177 and 982:162/990:162 have prerequisite of 980:001 or 990:011, either of which will satisfy Category 5A of the Liberal Arts Core.

Political Science Minor-Liberal Arts

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

Required:

Political Science: 940:010; 941:050; <i>942:014</i> ; <i>943:024</i> ; 944:040	15 hours
Electives in political science	<u>3</u> hours
	18 hours*

*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 (teaching or non-teaching).

Politics and Law Minor

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

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:

Philosophy: 650:045	3 hours
Political Science: 942:014; 942:141; 942:146	9 hours
Two of the following	6 hours
Management: 150:105^.	
Political Science: 942:144; 942:147.	
Criminology: 982:022^; 982:162^.	
One of the following	3 hours
Management: 150:101.	
Psychology: 400:070^.	
Philosophy: 650:172.	
Economics: 920:128^.	
Political Science: 941:129; 942:142; 943:143.	
Criminology: 982:128^; 982:131^; 982:132^.	

—
21 hours*

*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.

^These courses have additional prerequisites as follows:

150:105 has prerequisite of 150:100 or 150:101 or equivalent.

982:022 and 982:128 have prerequisite of 980:001, which will satisfy Category 5A of the Liberal Arts Core.

982:162 has prerequisite of 980:001 or 990:011, either of which will satisfy Category 5A of the Liberal Arts Core.

920:128 has prerequisite of 920:053 and 920:054. Satisfactory completion of **both** 920:053 and 920:054 will satisfy Category 5B of the Liberal Arts Core.

400:070 has prerequisite of 400:001, which will satisfy Category 5B of the Liberal Arts Core.

982:131 has prerequisites of 980:001 and 982:022. 980:001 will satisfy Category 5A of the Liberal Arts Core.

982:132 has prerequisites of 982:022 and 982:025.

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: 943:024; 943:120	6 hours
Electives (choose minimum 9 hours from the following)	9 hours
Communication: 48C:151.	
International Relations: 943:127, 943:129, 943:143, 943:145.	
Comparative Politics: 944:121.	
History: 963:154, 963:157.	
Geography: 970:116.	
Sociology: 980:102.	

—
15 hours

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: 942:014; 942:131	6 hours
Electives (choose minimum 9 hours from the following)	9 hours
Communication: 48C:160.	
Economics: 920:148*.	
American Politics: 942:132, 942:153, 942:172*, 942:173*.	
Criminology: 982:153*.	
	— 15 hours

*These courses have additional prerequisites are as follows:

942:172 and 942:173 have prerequisites of 942:014 and 942:048. 942:014 will satisfy Category 5B of the Liberal Arts Core.

920:148 has prerequisites of 920:053 and 920:054, or consent of instructor. 920:053 and 920:054 are prerequisites to all 100/2000/3000/4000-level economics courses. Either 920:024 or **both** 920:053 **and** 920:054 will satisfy Category 5B of the Liberal Arts Core.

982:153 has prerequisites of 980:001 and 982:022. 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 Majors (B.A.)

Psychology

Psychology-Teaching

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 (400:xxx) with a minimum GPA of 2.50. Students not meeting this requirement may discuss their special situation with the department head who may waive the requirement in extraordinary circumstances. All transfer students must have permission of the department head in order to declare a major or minor.

Only courses with an earned grade of at least a C- will count toward the majors and minors.

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 400:193 Research Experience in Psychology.

Introduction to Psychology (400:001) is a prerequisite for all other psychology courses, and therefore must be taken by all majors and minors. It also counts as a Liberal Arts Core requirement.

Bachelor of Arts Degree Programs

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

Required:

Psychology: 400:001; 400:101; 400:102; 400:118 14 hours

Select one course from each of the five content areas: 15 hours

Biological: 400:127, 400:152, 400:155, 400:170.

Social/Developmental: 400:060, 400:120, 400:160, 400:173.

Applied: 400:025, 400:070, 400:154, 400:157, 400:158.

Abnormal/Individual Differences: 400:106, 400:142, 400:161, 400:166.

Cognition and Learning: 400:050, 400:134, 400:150, 400:151, 400:153.

Electives in psychology 9 hours

Electives may be selected from any of the psychology courses (400:xxx).

No more than six total hours of 179, 192, 193, and 198 can count toward fulfilling the major requirements.

—
38 hours

Psychology Major-Teaching (*Extended Program*)

The Psychology–Teaching major requires a minimum of 142-154 total hours to graduate (depending on the minor chosen). This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 142-154 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Psychology: 400:001; 400:101; 400:102; 400:118 14 hours

Select one course from each of the five content areas: 15 hours

Biological: 400:127, 400:152, 400:155, 400:170.

Social/Developmental: 400:060, 400:120, 400:160, 400:173.

Applied: 400:025, 400:070, 400:154, 400:157, 400:158.

Abnormal/Individual Differences: 400:106, 400:142, 400:161, 400:166.

Cognition and Learning: 400:050, 400:134, 400:150, 400:151, 400:153.

Social Science: 900:190; 900:191 4 hours

Electives in psychology 9 hours

Electives may be selected from any of the psychology courses (400:xxx).

No more than six total hours of 179, 192, 193, and 198 can count toward fulfilling the major requirements.

—
42 hours

Students electing the teaching major must minor in one of the academic areas usually taught in secondary schools in order to assure student teaching placement and increase the chances of employment. Particularly recommended for a minor are the natural sciences, history, English, mathematics, and some modern languages.

Minors

Psychology Minor

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

Required:

Psychology: <i>400:001</i> ; 400:101; 400:118	10 hours
Electives in psychology	<u>15</u> hours
	25 hours

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/default.aspx.

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.

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.

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 emphases: 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, 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.

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 work completed as an undergraduate will be counted as graduate credit only if the student earns the bachelor's degree within nine months of completing the course work. Graduate credits completed as an undergraduate only count towards 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: 400:239	3 hours
Readings: 400:285	2 hours
Thesis Research: 400:299	6 hours
Emphasis requirements (as listed below)	<u>19-34</u> hours
	30-45 hours

Clinical Science Emphasis (44 hours):

Required:

Psychology: 400:225; 400:241; 400:244; 400:246; 400:249; 400:262; 400:270; 400:272	20 hours
Clinical Practicum: 400:290	4 hours
Electives in Psychology:	9 hours
(determined in consultation with the Graduate Coordinator)	

Industrial-Organizational Emphasis (39 hours):

Required:

Psychology: 400:149; 400:157; 400:158; 400:210; 400:232; 400:234; 400:237; 400:264	23 hours
Practicum in I/O Psychology: 400:291	2 hours
Electives in Psychology:	3 hours

(determined in consultation with the Graduate Coordinator)

Industrial-Organizational 5th Year Emphasis (30 hours):

Required:

Psychology: 400:149; 400:210; 400:232; 400:234; 400:237; 400:264	17 hours
Practicum in I/O Psychology: 400:291	2 hours

Social Psychology Emphasis (45 hours):

Required:

Psychology: 400:149; 400:162; 400:218; 400:220; 400:241; 400:261; 400:264	21 hours
Psychology: 400:293	6 hours
Psychology: 400:294 (1 hr. each of 4 semesters for a total of 4 hrs.)	4 hours
Electives in Psychology:	3 hours

(determined in consultation with the Graduate Coordinator)

Individualized Study Emphasis (33-45 hours)

Hours determined in consultation with the faculty advisor and Graduate Coordinator.

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: 400:025*; 400:157*; 400:158	9 hours
Electives: two courses from the following	6 hours
Management: 150:119, 150:165*, 150:166*.	
Ethics in Business: 150:174/640:174/650:174.	
Psychology: 400:106*; 400:134*, 400:160*.	
Communication Studies: 48C:134*, 48C:135*.	

 15 hours

Choice of courses and subsequent course prerequisites may increase the length of this program.

*These courses have additional prerequisites as follows:

400:025, 400:106, 400:134, 400:157, and 400:160 have a prerequisite of 400:001, which may be used to satisfy Category 5B of the Liberal Arts Core.

150:165 has prerequisites of 150:153; 800:072 or 800:094 or equivalent; and 920:070. Course 800:072 may be used to satisfy Category 1C of the Liberal Arts Core.

150:166 has a prerequisite of 150:153.

48C:134 has a prerequisite of 150:153 or 48C:132.

48C:135 has a prerequisite of 48C:132.

Science Education

www.science-ed.uni.edu

There is no science education department as such. Some science teaching majors (and the general courses in science) are offered under the jurisdiction and general supervision of the Dean of the College of Natural 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 Natural Sciences*.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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 (also listed in Department of Curriculum and Instruction)

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 140 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 140 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

This major is intended for students who wish to teach at the secondary level in all areas of science (biology, chemistry and biochemistry, earth science, and physics). The program will lead to Iowa Department of Education endorsement in biology, chemistry, earth science, physics, physical sciences, and general science.

Required:

Science and Science Education: 820:190; 820:193; 820:196	8 hours
Biology: 840:051; 840:052; 840:100; 840:140; 840:193	18 hours
Chemistry and Biochemistry: 860:044; 860:048*	8 hours
Earth Science: 870:031; 870:035	8 hours
Physics: 880:054; 880:056**	8 hours

Electives from the following:

Chemistry and Biochemistry: 860:063 or 860:120 plus one 100-level^ course	7 hours
Earth Science: 870:010***, 870:021, 870:022	8 hours
Physics: (any 100-level^)	<u>7</u> hours
	72 hours

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.

*Students with excellent preparation in chemistry may substitute 860:070 plus 3 hours of additional credit hours in chemistry electives for 860:044 and 860:048.

**Students with excellent preparation in physics and calculus may substitute 880:130 and 880:131 for 880:054 and 880:056.

***870:010 must be taken for four semester hours of credit.

^See course descriptions for 4-digit numbers associated with these 100-level courses.

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 800:046.

Middle/Junior High School Science Teaching

The Middle/Junior High School Science 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

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: 200:152	3 hours
Elementary, Early Childhood, and Middle Level Education: 210:150	3 hours
Science and Science Education: 820:190; 820:193; 820:196	8 hours
Biology: 840:051; 840:052; 840:193	11 hours
Chemistry and Biochemistry: 860:044; 860:048*	8 hours
Earth Science: 870:010**; 870:021; 870:022; 870:031	12 hours
Physics: 880:054; 880:056	8 hours
Electives in science: from biology, chemistry and biochemistry, physics and earth science at the 100-level^ or above	<u>6</u> hours
	59 hours

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.

*Students with excellent preparation in chemistry may substitute 860:070 plus 3 hours of additional credit hours in chemistry electives for 860:044 and 860:048.

**870:010 must be taken for four semester hours of credit.

^See course descriptions for 4-digit numbers associated with these 100-level courses.

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 800:046.

Minor

Basic Science Minor (K-8)-Teaching

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

For those pursuing K-6 general classroom teacher licensure with an endorsement in Basic Science (K-8).

Required:

Science and Science Education: 820:031; 820:032; 820:033; 820:130; 820:181 . . . 18 hours
 Biology: 840:181 4 hours
 Earth Science: 870:181 4 hours

Electives:

Chemistry and Biochemistry, or Physics (select one): 860:010 (4 hrs.),
 860:061, 880:011 4 hours
 30 hours

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/default.aspx.

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.

This major is available on the **thesis** and **non-thesis** options. A **minimum of 30 semester hours**, including 6 hours of 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: 250:205 3 hours
 Science and Science Education: 820:200; 820:213; 820:290; 820:294 8 hours
 Thesis or non-thesis option 19 or 21 hours
 Thesis option 30 hours
 Non-thesis option 32 hours

Thesis Option

Research: 820:299	6 hours
Courses from the College of Natural Sciences*	8 hours
Electives from education or science education	<u>5</u> hours
	19 hours

Non-Thesis Option

Research: 820:299	3 hours
Courses from the College of Natural Sciences*	11 hours
Electives from education or science education	<u>7</u> hours
	21 hours

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Earth Science Education Emphasis

The Earth Science emphasis differs from the Science Education major in that it provides the options of taking either 250:205 or 870:292 and either 820:299 or 870:299. The Earth Science Education emphasis 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: 250:205 or	
Research Methods in Earth Science: 870:292	3 hours
Science Education: 820:200; 820:213; 820:290; 820:294	8 hours
Thesis or non-thesis option	<u>19 or 21</u> hours
	Thesis option 30 hours
	Non-thesis option 32 hours

Thesis Option

Research: 820:299 or 870:299	6 hours
Earth Science	8 hours
Electives from education or science education	<u>5</u> hours
	19 hours

Non-Thesis Option

Research: 820:299 or 870:299	3 hours
Courses from the College of Natural Sciences*, with at least 8 hours of Earth Science	11 hours
Electives from education or science education	<u>7</u> hours
	21 hours

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

Physics Education Emphasis

The Physics Education emphasis differs from the Science Education major in that it provides the option of taking either 820:299 or 880:299. The Physics Education emphasis 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: 250:205	3 hours
Science Education: 820:200; 820:213; 820:290; 820:294	8 hours
Thesis or non-thesis option	<u>19 or 21</u> hours
	Thesis option 30 hours
	Non-thesis option 32 hours

Thesis Option

Research: 820:299 or 880:299	6 hours
Physics	8 hours
Electives from education or science education	<u>5</u> hours
	19 hours

Non-Thesis Option

Research: 820:299 or 880:299	3 hours
Courses from the College of Natural Sciences*, with at least 8 hours of Physics	11 hours
Electives from education or science education	<u>7</u> hours
	21 hours

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.

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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

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: 900:190; 900:191 4 hours
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.
Only *one* field of history (American or World) may be
selected as one of the *three* areas of the major 60 hours
64 hours

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: *942:014*; plus 12 (or 15) hours in American Government and 3 hours in Comparative Government or International Relations.

Eligible American Government courses: 941:129, 942:048, 942:112, 942:131, 942:132, 942:134, 942:141, 942:142, 942:146, 942:147, 942:150, 942:151, 942:153, 942:166, 942:172, 942:173, 942:174, 943:127.

Eligible electives in Comparative Government or International Relations:
943:024, 943:125, 943:143, 943:145, 944:135, 944:164, 944:165, 944:167.

COURSES THAT MAY BE USED TO MEET REQUIREMENTS IN EITHER OF THE ABOVE CATEGORIES, BUT NOT BOTH: *943:127*.

American History

History: *961:014*; *961:015*; plus 12 (or 15) hours in American history from the following courses:
960:189, 961:102, 961:116, 961:122, 961:124, 961:130, 961:131, 961:135, 961:136, 961:137, 961:139, 961:140, 961:141, 961:142, 961:143, 961:144, 961:145, 961:146, 961:147, 961:150.

Anthropology

Anthropology: *990:010*; *990:011*; plus 12 (or 15) hours in anthropology.

Economics

Economics: *920:053**; *920:054**; *920:103*; *920:104*; plus 6 (or 9) hours in economics
except 920:020; *920:024*; *920:070*.

***Both 920:053 and 920:054** will substitute for *920:024* which will satisfy Category 5B of the Liberal Arts Core.

Geography

Geography: *970:026*; *970:040*; *970:141*; plus 9 (or 12) hours in geography from the following courses:
970:010, *970:028*, *970:061*, *970:100*, *970:101*, *970:104*, *970:111*, *970:114*, *970:116*, *970:117*, *970:119*, *970:127*, *970:137*, *970:141* (for different region than above), *970:144*, *970:151*, *970:164*, *970:171*.

Psychology

Psychology: *400:001*; *400:118*; plus 12 (or 15) hours in psychology.

Sociology

Sociology: *980:001*; plus 15 (or 18) hours of sociology from the following courses:
980:060, 980:080, 980:105, 980:108, 980:125, 980:135, 980:138, 980:156, 980:160, 980:167, 980:168, 980:170, 980:171, 980:172, 980:177.
Criminology: *982:123*, *982:127*, *982:162*, *982:169*.

World History

History: one course from Category A (962:101, 962:103, 962:123, 962:151, 962:152, 962:153, 962:158, 962:164, 962:171), and one course from Category B (962:126, 963:154, 963:155, 963:157, 963:160, 963:161, 963:165, 963:169, 963:170, 963:172, 963:174, 964:178). Plus 12 (or 15) hours in European, Asian, Latin American and/or African history from the following courses: 960:189, 960:192, 962:101, 962:103, 962:123, 962:126, 962:151, 962:152, 962:153, 962:158, 962:164, 962:171, 963:154, 963:155, 963:157, 963:160, 963:161, 963:165, 963:169, 963:170, 963:172, 963:174, 964:175, 964:176, 964:180, 964:181, 964:182, 964:183, 964:187.

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

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: 900:190; 900:191 4 hours

One area of study in the social sciences is required.

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 hours) 57-60 hours

61-64 hours

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: *942:014*; plus 6 (or 12) hours in American Government.

Eligible American Government courses: 941:129, 942:048, 942:112, 942:131, 942:132, 942:134, 942:141, 942:142, 942:146, 942:147, 942:150, 942:151, 942:153, 942:166, 942:172, 942:173, 942:174, 942:188.

American History

History: 961:014; 961:015; plus 3 (or 9) hours in American history from the following courses:
960:189, 961:102, 961:116, 961:122, 961:124, 961:130, 961:131, 961:135, 961:136, 961:137,
961:139, 961:140, 961:141, 961:142, 961:143, 961:144, 961:145, 961:146, 961:147, 961:150.

Economics

Economics: 920:053*; 920:054*; plus 0 (or 9) hours in economics
except 920:020; 920:024; 920:070.

***Both** 920:053 **and** 920:054 will substitute for 920:024 which will satisfy Category 5B of the Liberal Arts Core.

Geography

Geography: 970:010 or 970:040; 970:061 or 970:141 or 970:171; plus 0 (or 9) hours within the Geography Department.

Psychology

Psychology: 400:001; 400:118; plus 0 (or 9) hours in psychology.

Sociology

Sociology/Criminology: 980:001; 980:100 or 980:105 or 980:123 or 980:135 or 980:156; plus 0 (or 9) hours of sociology/criminology from the following courses:

980:060, 980:080, 980:105, 980:108, 980:125, 980:135, 980:138, 980:160, 980:167, 980:168,
980:170, 980:171, 980:172, 980:177, 982:123, 982:127, 982:162, 982:169.

World History

History: one course from Category A (962:101, 962:103, 962:123, 962:151, 962:152, 962:153, 962:158, 962:164, 962:171) and one course from Category B (962:126, 963:154, 963:155, 963:157, 963:160, 963:161, 963:165, 963:169, 963:170, 963:172, 963:174, 964:178). Plus 3 (or 9) hours in European, Asian, Latin American and/or African history from the following courses: 960:189, 960:192, 962:101, 962:103, 962:123, 962:126, 962:151, 962:152, 962:153, 962:158, 962:164, 962:171, 963:154, 963:155, 963:157, 963:160, 963:161, 963:165, 963:169, 963:170, 963:172, 963:174, 964:175, 964:176, 964:180, 964:181, 964:182, 964:183, 964:187.

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/default.aspx. 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.

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: 900:289	3 hours
Research: 900:299	3 hours
Electives (may not exceed 6 hours from any one content area)	<u>24</u> hours
	30 hours

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

Required:

Design, Textiles, Gerontology, & Family Studies: 31F:055 or	
Psychology: 400:120	3 hours
Social Work: <i>450:041</i> ; 450:042; 450:091; 450:144; 450:163; 450:164; 450:184*;	
450:185; 450:192; 450:193 or 450:195; 450:196	41 hours
At least two of the following courses: 450:121, 450:142, 450:143, 450:171,	
450:172, 450:173, 450:175, 450:193**, 450:194***, 450:195**	6 hours
Social Work: 450:080	
OR	
Sociology: 980:080****	<u>3</u> hours
	53 hours

*450:184 can also be taken for 4 additional credit hours on an elective basis.

**450:193 and 450:195 may be taken for elective credit if not taken to fulfill core course requirements.

***450:194 may be repeated once with a different topic.

****980:080 may be substituted by 400:102 or 800:072. 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 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 450:091 and 450:192 with a minimum grade of C in each course; 450:042; 450:164; 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.

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/default.aspx.

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 autobiographical statement.
4. Official transcripts for **all post-secondary institutions** attended (with the exception of the University of Northern Iowa), 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, 214 East Bartlett, Cedar Falls, IA 50614-0405, or phone 319-273-5910, or visit www.uni.edu/socialwork/msw.

Required for Two Year Program:

Social Work foundation core: (for all two year students)	
450:210; 450:211; 450:212; 450:213; 450:214;	
450:215; 450:216; 450:218; 450:219	29 hours
Concentration: (select one of the following)	<u>31</u> hours
	60 hours

Required for Advanced Standing Program and Extended Enrollment Option:

Social Work: (summer courses)	
450:230; 450:239	7 hours
Concentration: (select one of the following)	<u>31</u> hours
	38 hours

Micro Practice Concentration:

Social Work: 450:240; 450:241; 450:242; 450:243; 450:244; 450:250;	
450:255	25 hours
Electives to be selected in consultation with program advisor	<u>6</u> hours
	31 hours

Social Administration Concentration:

Social Work: 450:250; 450:255; 450:260; 450:261; 450:262; 450:263;	
450:264	25 hours
Electives to be selected in consultation with program advisor	<u>6</u> hours
	31 hours

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: 450:171	3 hours
Electives: three of the following	9 hours
Psychology: 400:170.	
Social Work: 450:121, 450:142, 450:143, 450:175.	
	—
	12 hours

Field Instruction: Students will spend a total of 440 service hours in an inpatient or outpatient treatment program. To secure a field placement site the student may need to travel out of town. Experience with individuals, families, and groups will be required.

Department of Sociology, Anthropology, and Criminology

(College of Social and Behavioral Sciences)

www.uni.edu/sac

The Department of Sociology, Anthropology, and Criminology offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Sociology, Anthropology, and Criminology section in the following order:

Undergraduate Majors (B.A.)

Anthropology
Criminology
Sociology

Minors

Anthropology
Criminology
Sociology

Graduate Majors (M.A.)

Criminology
Sociology

Program Certificates

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

Required:

Sociology and Anthropology: 980:080 or 800:072; 990:010; 990:011; 990:141 or 990:142 or 990:143; 990:151 or 990:152; 990:161 or 990:164 or 990:168; 990:176; 990:177	24 hours
Electives in anthropology	9 hours
Electives in sociology	<u>3</u> hours
	36 hours

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

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: 980:001; 980:080 or 400:102* or 800:072; 980:108; 982:022; 982:025; 982:175	18 hours
Group 1 - Crime and Criminality Six hours from the following	6 hours
Criminology: 982:110, 982:112, 982:122, 982:127, 982:137, 982:151, 982:152.	
Group 2 - Crime and Social Control Six hours from the following	6 hours
Criminology: 982:116, 982:117, 982:124, 982:126, 982:128, 982:132, 982:153, 982:162.	
Group 3 - Special Topics Six hours from the following	6 hours
Political Science: 942:144. Criminology: 982:111, 982:113, 982:119, 982:123, 982:131, 982:169, 982:181.	
Group 4 - Research and Applied Studies Three hours from the following or three hours from Groups 1, 2, or 3	3 hours
Criminology: 982:179, 982:185, 982:198.	
	<hr/> 39 hours

*400:102 is a 4-hour course. 400:102 has the following prerequisites: 400:001; 400:101; one college-level mathematics course or consent of instructor.

Note: Students majoring in criminology should take 982:022 and 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required:

Sociology: 980:001; 980:108; 980:170 9 hours

One of the following 3 hours
980:080 or 400:102*.

Core electives - take ONE course in THREE of the four core areas below 9 hours

1) Inequality

Sociology: 980:120/990:120, 980:129, 980:135, 980:156, 980:171.

2) Race/Ethnicity and Immigration

Sociology: 980:100, 980:118, 980:120/990:120, 980:138, 980:156, 980:167.

3) Gender and Culture

Sociology: 980:100, 980:101, 980:129, 980:138, 980:167, 980:168, 980:177.

4) Family and the Life Course

Sociology: 980:101, 980:105, 980:118, 980:125, 980:172.

General electives as follows 12 hours

Sociology (6-9 hours from the following):

980:060, 980:100, 980:101, 980:102, 980:105, 980:118, 980:120,

980:125, 980:129, 980:135, 980:138, 980:145, 980:156,

980:160, 980:167, 980:168, 980:171, 980:172, 980:177,

980:180, 980:184, 980:189, 980:198.

Criminology (0-1 course with a 982 prefix - 0-3 hours)

Anthropology (1 course with a 990 prefix - 3 hours)

33 hours

*400:102 is a 4-hour course. 400:102 has the following prerequisites: 400:001; 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 980:145, 980:184, 980:189, and 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

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

Required:

Anthropology: <i>990:010</i> ; <i>990:011</i> ; 990:176; 990:177	12 hours
Electives in anthropology	<u>6</u> hours
	18 hours

Criminology Minor

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

Required:

Sociology: <i>980:001</i>	3 hours
Criminology: 982:022; 982:025	6 hours
Electives: (9 hours from the following)	9 hours
Criminology: 982:110, 982:112, 982:113, 982:116, 982:117, 982:119, 982:122, 982:123, 982:124, 982:126, 982:127, 982:128, 982:131, 982:132, 982:137, 982:151, 982:152, 982:153, 982:162/990:162, 982:169, 982:181.	<u>18</u> hours

Sociology Minor

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

Required:

Sociology: <i>980:001</i> ; 980:108	6 hours
Electives in sociology (980 prefix)	<u>15</u> hours
	21 hours

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 980:145, 980:184, 980:189, and 980:198 may be applied toward the minor, except with the approval of your advisor and department head.

Master of Arts Degree Programs

Major in Criminology

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

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

Students entering this program should have taken the following courses or their equivalents:
Sociology/Criminology: 980:001, 980:080, 982:025.

The major in Criminology is available on the **thesis** option only. A **minimum of 31-34 semester hours**, including 6 hours of 982:299 research, is required. A **minimum of 15 hours of 200/6000-level course work is required.**

Required:

Sociology Research Methodology: 980:201; 980:260; 980:278	9 hours
Criminology: 982:250; 982:251; 982:253	9 hours
Thesis Research: 982:299	6 hours
Proseminar in Criminology: 982:240	1 hour
Electives (must be approved by advisor and Graduate Coordinator)	<u>6-9</u> hours
	31-34 hours

Major in Sociology

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

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

A reading knowledge of a foreign language is recommended.

Students entering graduate study in this department should have taken the following courses or should be able to demonstrate competency in them:

Sociology: 980:001, 980:080, 980:108, 980:170.

The major in Sociology is available on the **thesis** option only. A **minimum of 31-39 semester hours**, including 6 hours of 980:299 Research, is required. A **minimum of 15 hours of 200/6000-level course work is required, including no more than 3 hours of 980:285.**

Required:

Sociology: 980:200; 980:201; 980:211; 980:260; 980:278; 980:280 16 hours
 Thesis Research: 980:299 6 hours

Electives 9-17 hours

Up to six hours may be taken outside of sociology with approval of
 Graduate Coordinator.

 31-39 hours

Program Certificates

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

Certificate in Sociology of Inequality

Required:

Sociology: 980:001; 980:108 6 hours
 Students are advised to take 980:001 and 980:108 before taking any
 of the courses listed below.

Choose three courses* 9 hours
 Sociology: 980:120/990:120, 980:129, 980:135, 980:156, 980:171.

 15 hours

*Students may not count any course toward more than two certificates.

Certificate in Sociology of Family and Life Course

Required:

Sociology: 980:001; 980:108 6 hours
 Students are advised to take 980:001 and 980:108 before taking any
 of the courses listed below.

Choose three courses* 9 hours
 Philosophy and World Religions: 640:194/650:194.
 Sociology: 980:101, 980:105, 980:118, 980:125, 980:172.
 Criminology: 982:127**.

 15 hours

*Students may not count any course toward more than two certificates.

**982:127 has prerequisite of 982:025.

Certificate in Sociology of Gender and Culture

Required:

Sociology: 980:001; 980:108 6 hours

Students are advised to take Introduction to Sociology (980:001) and Research Methods (980:108) before taking any of the courses listed below.

Choose three courses* 9 hours

Sociology: 980:100, 980:101, 980:129, 980:138,
980:167/400:167/990:167, 980:168/990:168, 980:177.

—
15 hours

*Students may not count any course toward more than two certificates.

Certificate in Sociology of Race/Ethnicity and Immigration

Required:

Sociology: 980:001; 980:108 6 hours

Students are advised to take 980:001 and 980:108 before taking any of the courses listed below.

Choose three courses* 9 hours

Sociology: 980:100, 980:118, 980:120/990:120, 980:138,
980:156, 980:167/400:167/990:167.

—
15 hours

*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:

Special Education: 220:140; 220:141; 220:153	9 hours
Special Education: 220:192 (3 hrs., Practicum with Children with Disabilities in Least Restrictive Environment); 220:192 (1 hr., Practicum in Home Intervention)	<u>4</u> hours
	13 hours

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: 220:170; 220:174; 220:184; 220:192	12 hours
Minor requirements:	
Educational Psychology: 200:176	3 hours
Special Education: 220:142 (corequisite 220:192); 220:146.	<u>9</u> hours
	24 hours

Instructional Strategist I: Mild/Moderate 5-12 Emphasis

Required:

Special Education core: 220:170; 220:174; 220:184; 220:192	12 hours
Minor requirements:	
Educational Psychology: 200:176	3 hours
Special Education: 220:143 (corequisite 220:192); 220:147; 220:151.	<u>12</u> hours
	27 hours

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: 220:142 or 220:143; 220:153; 220:167; 220:183; 220:184; 220:187; 220:192	23 hours
Communicative Disorders: 51C:160	<u>2</u> hours
	25 hours

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: 220:125; 220:126; 220:132; 220:134; 220:136; 220:138; 220:153; 220:192 (2 required in Visual Impairments K-12 for total of 6 hrs.)	<u>26</u> hours
	26 hours

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

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

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: 200:214 or Social Foundations: 260:234	3 hours
Measurement and Research: 250:205	3 hours

Required special education core:

Special Education: 220:289	3 hours
Emphasis in special education (choose one from below)	<u>21</u> hours 30 hours

Field Specialization Emphasis

Required:

Special Education: 220:256 or 220:260; 220:293; 220:295	9 hours
Approved electives (6 hrs. of 220:299 Research required on thesis option)	<u>12</u> hours 21 hours

Special Education Consultant Emphasis

Required:

Elementary, Early Childhood, and Middle Level Education: 210:221 or 210:270	3 hours
Special Education: 220:240; 220:245; 220:290 (5-6 hrs.)	11-12 hours
Approved electives (6 hrs. of 220:299 Research required on thesis option)	<u>6-7</u> hours 21 hours

Career/Vocational Programming and Transition Emphasis

Required:

Special Education: 220:254; 220:290 (3 hrs.); 220:293; 220:295	12 hours
Approved electives (6 hrs. of 220:299 Research required on thesis option)	<u>9</u> hours 21 hours

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

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

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 final research paper or an oral comprehensive examination is required for the **thesis** option, which will be determined based upon the student's needs. Successful completion of a final written comprehensive examination is 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: 200:214 or
 Social Foundations: 260:234 3 hours
 Measurement and Research: 250:205 3 hours

Required special education core:

Special Education: 220:293; 220:295 6 hours

TVI emphasis requirement:

Special Education: 220:125; 220:126; 220:132; 220:134;
 220:136; 220:138; 220:153; 220:192 (2 required for a total of 6 hrs.) 26 hours

Research: 220:299 3 or 6 hours

Thesis (6 hrs.)

Non-thesis (3 hrs.)

Thesis option 44 hours
 Non-thesis option 41 hours

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.**

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 six 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 six areas of intensive study provide for a specialized focus on practice. The six intensive study areas are: *Community Health Education, Curriculum and Instruction, Educational Leadership, Leisure, Youth and Human Services, Rehabilitation Studies, 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 six 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/default.aspx. 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 3 hours

Interdepartmental, Education: 190:301.

Research:

Interdepartmental, Education: 190:303; 190:305; 190:307 9 hours

Measurement and Research: one of the following -

250:270, 250:300, 250:301, 250:310 3 hours

II. Advanced Professional Studies 38 hours

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: 190:389 1 hour

Dissertation Research: 190:399 6 hours

60 hours

Teaching

(College of Education)

www.uni.edu/coe/teaching

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

Malcolm Price Laboratory School

www.pls.uni.edu/

The Malcolm Price Laboratory School conducts a program of instruction for pupils enrolled in grades N/K through 12. The pupils primarily are residents of Cedar Falls and Waterloo and provide a rich, multi-cultural, public school setting which enables the laboratory school to respond fully to its university responsibilities. The school offers a comprehensive program of studies and activities. It is a member of the Area 267 Education Agency, and is accredited by the Iowa Department of Education and the North Central Association of Colleges and Schools.

The laboratory school serves three major functions for the university and the State of Iowa:

1. As a teacher education laboratory, the school provides a variety of direct clinical and classroom experiences for students from all departments of the university as they prepare to enter the teaching profession. Members of the faculty supervise and direct these experiences and, in addition, teach university courses both on and off campus.
2. As a center for experimentation and research, the school is involved heavily in the writing of classroom instructional materials and the development of instructional methods and school curricula. Faculty members work together in project teams, frequently cooperating with colleagues across the university campus, at other Regents institutions, and with the Department of Education.
3. As an agent of leadership to Iowa elementary and secondary schools, the laboratory school regularly provides professional development activities for Iowa educators including: sponsors conferences and workshops; participates in the activities of professional organizations; provides extension and consultant services; teaches off-campus extension courses; and cooperates with local and state agencies in faculty development and in-service activities.

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 Director 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 real 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, provided in either the campus laboratory school or off-campus affiliated schools, 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 (280:1xx/3xxx/4xxx) 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 280:1xx/3xxx/4xxx must be recommended for placement to the Council on Teacher Education (CTE) by the Director of Teacher Education following consultation with the coordinator who gave the **No Credit** grade and the head of the major department(s). Approval by CTE 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.**

Theatre

(College of Humanities and Fine Arts*)

*Plans are in progress to consolidate the College of Humanities and Fine Arts and the College of Natural Sciences by June 30, 2011.

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 at which time the student will be considered a Theatre Arts major and will be assigned an advisor. (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 *48C:001* (Oral Communication) and *620:005/620:015/620:034* were satisfied at their junior/community colleges. Transfer students will take 490:010 (Creativity and Performance) and 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. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

The teaching major in communication and theatre is offered jointly by the Departments of Communication Studies and Theatre.

Required:

Communication: 48C:001; 48C:004*; 48C:011*; 48C:015; 48C:024; 48C:031*; 48C:071*; 48C:074*; 48C:141; 48C:187	30 hours
Theatre: 490:015; 490:024; 490:138 (these three courses may be taken in any sequence; all are prerequisites for 490:161); 490:109; 490:161	15 hours
Applied Activity Option: one hour from: 48C:091/48C:191 or 48C:093/48C:193 or 490:050	1 hour
Electives: (3 hours from the following)	3 hours
Communication: 48C:108 or 48C:110, 48C:122, 48C:124, 48C:144, 48C:176, 48C:178.	
Theatre: 490:040, 490:135, 490:136; other courses are available (consult with your advisor).	
	— 49 hours

*LAC Category 1B may be satisfied by two courses distributed as follows:
48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

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

Theatre Major options:

Theatre Arts Major (Theatre core plus 9 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 (28 hours)

Theatre: 490:010; 490:011; 490:015; 490:016; 490:020; 490:024;
 490:050 (3 required-ONE may be in performance);
 490:135; 490:136; 490:138.

Requirements for the four options are as follows:

Theatre Arts

Required:

Theatre core	28 hours
Theatre: select one course from each of the three groups below	9 hours
Performance: 490:027, 490:101, 490:104, 490:121, 490:127.	
Design and Production: 490:040, 490:140, 490:155, 490:157.	
Literature: 490:137, 490:168, 620:113*, 620:115*, 620:148*.	
	<u>37 hours</u>

*620:113, 620:115, and 620:148 have prerequisite of 620:034 or consent of instructor. 620:034 may be used to satisfy Category 1A of the Liberal Arts Core.

Substitutions only by department consent.

Performance Emphasis

Required:

Theatre core	28 hours
Theatre: 490:121; 490:122; 490:126; 490:127 (2 required); 490:128	18 hours
Emphasis core (6 hours selected from emphasis core below)	6 hours
	52 hours

Design and Production Emphasis

Required:

Theatre core	28 hours
Theatre: 490:040; 490:140 (2 required); 490:141; 490:142; 490:143; 490:151 (1 hr.)	19 hours
Emphasis core (6 hours selected from emphasis core below)	6 hours
	53 hours

Drama and Theatre for Youth Emphasis

Required:

Theatre core	28 hours
Theatre: 490:101; 490:104; 490:106/CAP:106; 490:109	12 hours
Electives from within Theatre Department	3 hours
Electives outside Theatre Department (chosen in consultation with advisor)	3 hours
Emphasis core (6 hours selected from emphasis core below)	6 hours
	52 hours

Emphasis core:

490:056, 490:137, 490:158, 490:161, 490:168, 490:170, 490:199, 650:143.

Declaring an emphasis area:

Students entering the program during or after academic year 2010 shall be eligible to declare an emphasis (Performance, Design and Production, Drama and Theatre for Youth) upon successful completion of 490:010 and 490:011.

Minors

See admission requirements for Theatre minors.

Communication - Theatre Minor - Teaching

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

The Communication - Theatre-Teaching minor is offered jointly by the Departments of Communication Studies and Theatre.

Required:

Communication: <i>48C:001</i> ; 48C:004*; 48C:011*; 48C:024; 48C:074*; 48C:187 . . .	18 hours
Option A or B (below)	<u>10-12</u> hours
	28-30 hours

Option A: Communication (10 hours)

Communication: one hour from 48C:091/48C:191 or 48C:093/48C:193; 48C:015; 48C:071*.
 Theatre: 490:101 or *490:106/CAP:106*.

Option B: Theatre (12 hours)

Theatre: 490:015; 490:024; 490:138; (these three classes must be taken before 490:161); 490:161.

*LAC Category 1B may be satisfied by two courses distributed as follows:
 48C:011 or 48C:071 or 48C:074; AND 48C:004 or 48C:031.

Theatre Minor

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

Required:

Theatre core:
 490:010; 490:011; 490:015 or 490:016; 490:020; 490:024;
 490:050 (2 required-ONE may be in performance); 15 hours
 A minimum of 9 credit hours in theatre as approved by the department 9 hours
 24 hours

Courses of Instruction

Effective with the Fall 2011 semester, a new numbering system will be implemented. Prior to Fall 2011 and through Summer 2011, the 3-digit department prefix and 3-digit course number will be used.

In the following pages, all courses will be listed with the current 3-digit:3-digit number system and also the new number system effective Fall 2011. The following pages will also provide a crosswalk between these two numbering systems.

Following is the numbering scheme used for both the current system through Summer 2011 and the new numbering system effective Fall 2011:

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.

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 600:111 (ART 3001).

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.)

Classification of Students

Students are classified as follows:

	Earned Semester Hours
Freshman	..... less than 30
Sophomore	..... 30-59
Junior	..... 60-89
Senior	..... 90 and over

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.

Course Numbers Common to Many Departments

These common numbers may be used under named conditions by prefixing the department number:

059 (1059), 159 (3159), 159g (4159/5159), 259 (6259), 359 (7359) - Reserved for temporary courses of a special or experimental nature.

133 (3133), 133g (4133/5133), 233 (6233) Workshop - 1-6 hrs. Offered for special groups as announced in advance. Students may take work in one or more workshops but may not use more than 6 hours toward graduation.

179 (3179) Cooperative Education - 1-6 hrs. For students who wish to apply classroom learning to field experience. Requires approval by the faculty supervisor, the head of the academic department granting credit, and Cooperative Education/Internship staff for placement agreement, project, and credit arrangements. Credit may not be applied to a major or minor without approval by the department offering the major or minor. Co-op/Internship staff assist in developing placements and arranging student interviews with employers and maintain contact with student and employer during the co-op/internship experience. May be repeated for a maximum of 12 hours credit.

086 (1086), 186 (3186), 186g (4186/5186), 286 (6286), 386 (7386) Studies in "_____" - Courses to be offered by departments for specialized work not covered by regular courses. Credit and topic for "study" to be given in Schedule of Classes.

09C (109C), 19C (319C) Open Credit - 1-6 hrs.

19P (319P) Presidential Scholars Research - 1-3 hrs. For Presidential Scholars only. Credit and topic to be approved by the Presidential Scholars Board. May be repeated once for a maximum of 6 hours.

198 (4198) Independent Study - Hours to be arranged in advance. A provision for undergraduate students to do work in a special area not offered in formal courses. (Does not provide graduate credit.) Permission of the head of the department offering the work is required. Projects must be approved well before the beginning of the semester in which the work is to be done.

199 (4199) Study Tour - 1-12 hrs. Offered as announced in the Schedule of Classes. See Summer Bulletin for general description and consult appropriate department for specific information.

285 (6285) or 385 (7385) Readings - Offered as needed in the various disciplines - not offered as a class. Independent readings from a selected list as approved in advance by department head. Credit to be determined at time of registration.

289 (6289) or 389 (7389) Seminar - Offered as needed in the various disciplines. Credit and topic to be given in Schedule of Classes.

29C (629C) Continuous Registration. Graduate students who have completed all of their program but not all of their graduation requirements, e.g. comprehensive exams, thesis, paper/project, recitals, etc., must be continuously registered until the degree is completed. Students reaching this stage will be automatically registered in the course 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.

29R (629R) 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 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.

297 (6297) or 397 (7397) Practicum - 2-3 hrs. Offered as needed in the various disciplines to provide practical experience in college teaching.

299 (6299) or 399 (7399) Research - See details for approval and registration.

300 (7300) 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 000:xxx instead of a department number. These include:

192 (4192) Exploratory Seminar - 1-3 hrs.

196 (4196) Interdisciplinary Readings - 1-3 hrs.

197 (4197) Undergraduate Thesis - 3-6 hrs.

198 (4198) Individual Study Project--Hours arranged by Individual Studies Program Coordinator.

Common Course Numbers		
3-digit Number effective through Summer 2011	4-digit Number Effective Fall 2011	Course Title
059	1059	Experimental
159	3159	Experimental
159g	4159/5159	Experimental
259	6259	Experimental
359	7359	Experimental
133	3133	Workshop
133g	4133/5133	Workshop
233	6233	Workshop
179	3179	Cooperative Education
086	1086	Studies In:
186	3186	Studies In:
186g	4186/5186	Studies In:
286	6286	Studies In:
386	7386	Studies In:
09c	109C	Open Credit
19C	319C	Open Credit
19P	319P	Presidential Scholars Research
198	4198	Independent Study
199	3199	Study Tour
285	6285	Readings
385	7385	Readings
289	6289	Seminar
389	7389	Seminar
29C	629C	Continuous Registration
29R	629R	Directed Research
297	6297	Practicum
397	7397	Practicum
299	6299	Research
399	7399	Research
300	7300	Post Comprehensive Registration

Guide to Course Numbers

Numeric 3-digit Prefix Order (Effective through Summer 2011)

3-digit Prefix through Summer 2011	Subject Area Abbreviation effective Fall 2011	Subject Area Name	Department/Unit
	WGS	Women's and Gender Studies	Women's and Gender Studies
CAP	CAP	Capstone	Capstone, Liberal Arts Core
000	INDIVSTU	Individual Studies	Interdisciplinary
010	UNIV	University, Interdisciplinary	University, Interdisciplinary
080	MIL SCI	Military Science	Military Science
100	BUSINESS	Business Administration	Business Administration, College of, Interdepartmental
120	ACCT	Accounting	Accounting
130	MKTG	Marketing	Marketing
150	MGMT	Management	Management
160	FIN	Finance	Finance
170	POSTSEC	Post Secondary: Student Affairs	Educational Leadership, Counseling, and Postsecondary Education
190	INTDEPED	Education: Interdepartmental	Education, Interdepartmental
200	EDPSYCH	Educational Psychology	Educational Psychology and Foundations
210	ELEMECML	Elementary, Early Childhood and Middle Level Education	Curriculum and Instruction
220	SPED	Special Education	Special Education
230	LITED	Literacy Education	Curriculum and Instruction
240	INSTTECH	Instructional Technology	Curriculum and Instruction
250	MEASRES	Measurement and Research	Educational Psychology and Foundations
260	SOCFOUND	Social Foundations	Educational Psychology and Foundations
270	EDLEAD	Educational Leadership	Educational Leadership, Counseling, and Postsecondary Education
280	TEACHING	Teaching	Student Field Experiences
290	COUN	Counseling**	School of Applied Human Sciences*
300	SAFETYED	Safety Education	Curriculum and Instruction
310	NUTR	Nutrition	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*
31T	TEXDSGN	Textiles and Apparel	School of Applied Human Sciences*
330	TECH	Industrial Technology	Industrial Technology
350	SLS	School Library Studies	Curriculum and Instruction
400	PSYCH	Psychology	Psychology
410	HPE	Health Promotion and Education	Health, Physical Education, and Leisure Services
420	PEMES	Physical Education	Health, Physical Education, and Leisure Services
42T	AT	Athletic Training	Health, Physical Education, and Leisure Services
430	LYHS	Leisure, Youth and Human Services	Health, Physical Education, and Leisure Services
440	HPELS	Health, Physical Education and Leisure Services, Interdepartmental	Health, Physical Education, and Leisure Services
450	SW	Social Work	Social Work
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 varies	COMM COR	Communication Studies Core	Communication Studies
48C/48E/48J/48P varies	COMMGRAD	Communication Studies Graduate	Communication Studies
490	THEATRE	Theatre	Theatre
51C	CSD	Communication Sciences and Disorders	Communication Sciences and Disorders
51S	CSD	Communication Sciences and Disorders	Communication Sciences and Disorders
520	MUSIC	Music	Music, School of
530	MUS ENS	Music Ensembles	Music, School of
540	MUS APPL	Music, Applied	Music, School of
560	MUS TECH	Music Techniques	Music, School of
570	MUS ED	Music Education and Methods	Music, School of
580	MUS THEO	Music Theory	Music, School of

3-digit Prefix through Summer 2011	Subject Area Abbreviation effective Fall 2011	Subject Area Name	Department/Unit
590	MUS HIST	Music History	Music, School of
595	MUS LIT	Music Literature	Music, School of
600	ARTED	Art Education	Art
600	ARTHIST	Art History	Art
600	ART	Art Studio	Art
620	ENGLISH	English Language and Literature	English Language and Literature
630	TESOL	TESOL/Applied Linguistics	English Language and Literature
640	RELS	Religion	Philosophy and World Religions
650	PHIL	Philosophy	Philosophy and World Religions
680	HUM	Humanities	Humanities
700	LANG	Languages	Modern Languages
710	CHIN	Chinese	Modern Languages
720	FREN	French	Modern Languages
740	GER	German	Modern Languages
770	SLAV	Russian	Modern Languages
780	SPAN	Spanish	Modern Languages
790	PORT	Portuguese	Modern Languages
800	MATH	Mathematics	Mathematics
800	STAT	Statistics	Mathematics
800	ACT SCI	Actuarial Science	Mathematics
810	CS	Computer Science	Computer Science
820	SCI ED	Science Education	Science
820	PSM	Professional Science Master's	Science
830	ENV SCI	Environmental Science	Science
840	BIOL	Biology	Biology
860	CHEM	Chemistry	Chemistry and Biochemistry
860	BIOCHEM	Biochemistry	Chemistry and Biochemistry
870	EARTHSCI	Earth Science	Earth Science
880	PHYSICS	Physics	Physics
890	IA LL	Iowa Lakeside Lab	Biology
900	SOC SCI	Social Science	Social Science
920	ECON	Economics	Economics
940	POL GEN	Politics, General	Political Science
941	POL THRY	Political Theory	Political Science
942	POL AMER	Politics, American	Political Science
943	POL INTL	Politics, International	Political Science
944	POL COMP	Politics, Comparative	Political Science
950	PUB POL	Public Policy	Public Policy
960	HIST	Historical Study/Thematic/Graduate	History
961	HISUS	United States History	History
962	HISEUA	Europe to ca. 1700	History
963	HISEUB	Europe Since ca. 1700	History
964	HISNW	Non-Western History	History
970	GEOG	Geography	Geography
980	SOC	Sociology	Sociology, Anthropology, and Criminology
982	CRIM	Criminology	Sociology, Anthropology, and Criminology
990	ANTH	Anthropology	Sociology, Anthropology, and Criminology
* Department of Design, Textiles, Gerontology, and Family Studies changed to School of Applied Human Sciences August 2010			
** Counseling programs moved to School of Applied Human Sciences August 2010			

Guide to Course Numbers

Subject Area Abbreviation Order (Effective Fall 2011)

Subject Area Abbreviation effective Fall 2011	Subject Area Name	3-digit Prefix through Summer 2011	Department/Unit
ACCT	Accounting	120	Accounting
ACT SCI	Actuarial Science	800	Mathematics
ANTH	Anthropology	990	Sociology, Anthropology, and Criminology
ART	Art Studio	600	Art
ARTED	Art Education	600	Art
ARTHIST	Art History	600	Art
AT	Athletic Training	42T	Health, Physical Education, and Leisure Services
BIOCHEM	Biochemistry	860	Chemistry and Biochemistry
BIOL	Biology	840	Biology
BUSINESS	Business Administration	100	Business Administration, College of, Interdepartmental
CAP	Capstone	CAP	Capstone, Liberal Arts Core
CHEM	Chemistry	860	Chemistry and Biochemistry
CHIN	Chinese	710	Modern Languages
COMM	Communication Studies	48C	Communication Studies
COMM COR	Communication Studies Core	48C/48E/48J/48P varies	Communication Studies
COMM EM	Communication Studies: Electronic Media	48E	Communication Studies
COMM J	Communication Studies: Journalism	48J	Communication Studies
COMM PR	Communication Studies: Public Relations	48P	Communication Studies
COMMGRAD	Communication Studies Graduate	48C/48E/48J/48P varies	Communication Studies
COUN	Counseling**	290	School of Applied Human Sciences*
CRIM	Criminology	982	Sociology, Anthropology, and Criminology
CS	Computer Science	810	Computer Science
CSD	Communication Sciences and Disorders	51C	Communication Sciences and Disorders
CSD	Communication Sciences and Disorders	51S	Communication Sciences and Disorders
EARTHSCI	Earth Science	870	Earth Science
ECON	Economics	920	Economics
EDLEAD	Educational Leadership	270	Educational Leadership, Counseling, and Postsecondary Ed.
EDPSYCH	Educational Psychology	200	Educational Psychology and Foundations
ELEMECML	Elementary, Early Childhood and Middle Level Education	210	Curriculum and Instruction
ENGLISH	English Language and Literature	620	English Language and Literature
ENV SCI	Environmental Science	830	Science
FAM SERV	Family Services	31F	School of Applied Human Sciences*
FIN	Finance	160	Finance
FREN	French	720	Modern Languages
GEOG	Geography	970	Geography
GER	German	740	Modern Languages
GERO	Gerontology	31G	School of Applied Human Sciences*
HISEUA	Europe to ca. 1700	962	History
HISEUB	Europe Since ca. 1700	963	History
HISNW	Non-Western History	964	History
HIST	Historical Study/Thematic/Graduate	960	History
HISUS	United States History	961	History
HPE	Health Promotion and Education	410	Health, Physical Education, and Leisure Services
HPELS	Health, Physical Education and Leisure Services, Interdep.	440	Health, Physical Education, and Leisure Services
HUM	Humanities	680	Humanities
IA LL	Iowa Lakeside Laboratory	890	Iowa Lakeside Laboratory
INDIVSTU	Individual Studies	000	Interdisciplinary
INSTTECH	Instructional Technology	240	Curriculum and Instruction
INTDEPED	Education: Interdepartmental	190	Education, Interdepartmental
INTDSGN	Interior Design	311	School of Applied Human Sciences*
LANG	Languages	700	Modern Languages
LITED	Literacy Education	230	Curriculum and Instruction
LYHS	Leisure, Youth and Human Services	430	Health, Physical Education, and Leisure Services
MATH	Mathematics	800	Mathematics

Subject Area Abbreviation effective Fall 2011	Subject Area Name	3-digit Prefix through Summer 2011	Department/Unit
MEASRES	Measurement and Research	250	Educational Psychology and Foundations
MGMT	Management	150	Management
MIL SCI	Military Science	080	Military Science
MKTG	Marketing	130	Marketing
MUS APPL	Music, Applied	540	Music, School of
MUS ED	Music Education and Methods	570	Music, School of
MUS ENS	Music Ensembles	530	Music, School of
MUS HIST	Music History	590	Music, School of
MUS LIT	Music Literature	595	Music, School of
MUS TECH	Music Techniques	560	Music, School of
MUS THEO	Music Theory	580	Music, School of
MUSIC	Music	520	Music, School of
NUTR	Nutrition	310	School of Applied Human Sciences*
PEMES	Physical Education	420	Health, Physical Education, and Leisure Services
PHIL	Philosophy	650	Philosophy and World Religions
PHYSICS	Physics	880	Physics
POL AMER	Politics, American	942	Political Science
POL COMP	Politics, Comparative	944	Political Science
POL GEN	Politics, General	940	Political Science
POL INTL	Politics, International	943	Political Science
POL THRY	Political Theory	941	Political Science
PORT	Portuguese	790	Modern Languages
POSTSEC	Post Secondary: Student Affairs	170	Educational Leadership, Counseling, and Postsecondary Ed.
PSM	Professional Science Masters	820	Science
PSYCH	Psychology	400	Psychology
PUB POL	Public Policy	950	Public Policy
RELS	Religion	640	Philosophy and World Religions
SAFETYED	Safety Education	300	Curriculum and Instruction
SCI ED	Science Education	820	Science
SLAV	Russian	770	Modern Languages
SLS	School Library Studies	350	Curriculum and Instruction
SOC	Sociology	980	Sociology, Anthropology, and Criminology
SOC SCI	Social Science	900	Social Science
SOCFOUND	Social Foundations	260	Educational Psychology and Foundations
SPAN	Spanish	780	Modern Languages
SPED	Special Education	220	Special Education
STAT	Statistics	800	Mathematics
SW	Social Work	450	Social Work
TEACHING	Teaching	280	Student Field Experiences
TECH	Industrial Technology	330	Industrial Technology
TESOL	TESOL/Applied Linguistics	630	English Language and Literature
TEXDSGN	Textiles and Apparel	31T	School of Applied Human Sciences*
THEATRE	Theatre	490	Theatre
UNIV	University, Interdisciplinary	010	University, Interdisciplinary
WGS	Women's and Gender Studies		Women's and Gender Studies

* Department of Design, Textiles, Gerontology, and Family Studies changed to School of Applied Human Sciences August 2010

** Counseling programs moved to School of Applied Human Sciences August 2010

Guide to Course Numbers

Department Order

Department/Unit	3-digit Prefix through Summer 2011	Subject Area Abbreviation effective Fall 2011	Subject Area Name
Accounting	120	ACCT	Accounting
Art	600	ART	Art Studio
Art	600	ARTED	Art Education
Art	600	ARTHIST	Art History
Biology	840	BIOL	Biology
Biology	890	IA LL	Iowa Lakeside Laboratory
Business Administration, College of, Interdepartmental	100	BUSINESS	Business Administration
Capstone, Liberal Arts Core	CAP	CAP	Capstone
Chemistry and Biochemistry	860	BIOCHEM	Biochemistry
Chemistry and Biochemistry	860	CHEM	Chemistry
Communication Sciences and Disorders	51C	CSD	Communication Sciences and Disorders
Communication Sciences and Disorders	51S	CSD	Communication Sciences and Disorders
Communication Studies	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
Computer Science	810	CS	Computer Science
Curriculum and Instruction	210	ELEMECML	Elementary, Early Childhood and Middle Level Education
Curriculum and Instruction	230	LITED	Literacy Education
Curriculum and Instruction	240	INSTTECH	Instructional Technology
Curriculum and Instruction	300	SAFETYED	Safety Education
Curriculum and Instruction	350	SLS	School Library Studies
Earth Science	870	EARTHSCI	Earth Science
Economics	920	ECON	Economics
Education, Interdepartmental	190	INTDEPED	Education: Interdepartmental
Educational Leadership, Counseling, and Postsecondary Education	170	POSTSEC	Post Secondary: Student Affairs
Educational Leadership, Counseling, and Postsecondary Education	270	EDLEAD	Educational Leadership
Educational Psychology and Foundations	200	EDPSYCH	Educational Psychology
Educational Psychology and Foundations	250	MEASRES	Measurement and Research
Educational Psychology and Foundations	260	SOCFOUND	Social Foundations
English Language and Literature	620	ENGLISH	English Language and Literature
English Language and Literature	630	TESOL	TESOL/Applied Linguistics
Finance	160	FIN	Finance
Geography	970	GEOG	Geography
Health, Physical Education, and Leisure Services	410	HPE	Health Promotion and Education
Health, Physical Education, and Leisure Services	420	PEMES	Physical Education
Health, Physical Education, and Leisure Services	42T	AT	Athletic Training
Health, Physical Education, and Leisure Services	430	LYHS	Leisure, Youth and Human Services
Health, Physical Education, and Leisure Services	440	HPELS	Health, Physical Education and Leisure Services, Interdep.
History	960	HIST	Historical Study/Thematic/Graduate
History	961	HISUS	United States History
History	962	HISEUA	Europe to ca. 1700
History	963	HISEUB	Europe Since ca. 1700
History	964	HISNW	Non-Western History
Humanities	680	HUM	Humanities
Industrial Technology	330	TECH	Industrial Technology
Interdisciplinary	000	INDIVSTU	Individual Studies
Management	150	MGMT	Management
Marketing	130	MKTG	Marketing
Mathematics	800	ACT SCI	Actuarial Science
Mathematics	800	MATH	Mathematics
Mathematics	800	STAT	Statistics
Military Science	080	MIL SCI	Military Science
Modern Languages	700	LANG	Languages
Modern Languages	710	CHIN	Chinese
Modern Languages	720	FREN	French
Modern Languages	740	GER	German
Modern Languages	770	SLAV	Russian
Modern Languages	780	SPAN	Spanish

Department/Unit	3-digit Prefix through Summer 2011	Subject Area Abbreviation effective Fall 2011	Subject Area Name
Modern Languages	790	PORT	Portuguese
Music, School of	520	MUSIC	Music
Music, School of	530	MUS ENS	Music Ensembles
Music, School of	540	MUS APPL	Music, Applied
Music, School of	560	MUS TECH	Music Techniques
Music, School of	570	MUS ED	Music Education and Methods
Music, School of	580	MUS THEO	Music Theory
Music, School of	590	MUS HIST	Music History
Music, School of	595	MUS LIT	Music Literature
Philosophy and World Religions	640	RELS	Religion
Philosophy and World Religions	650	PHIL	Philosophy
Physics	880	PHYSICS	Physics
Political Science	940	POL GEN	Politics, General
Political Science	941	POL THRY	Political Theory
Political Science	942	POL AMER	Politics, American
Political Science	943	POL INTL	Politics, International
Political Science	944	POL COMP	Politics, Comparative
Psychology	400	PSYCH	Psychology
Public Policy	950	PUB POL	Public Policy
School of Applied Human Sciences*	290	COUN	Counseling**
School of Applied Human Sciences*	310	NUTR	Nutrition
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*	31T	TEXDSGN	Textiles and Apparel
Science	820	PSM	Professional Science Masters
Science	820	SCI ED	Science Education
Science	830	ENV SCI	Environmental Science
Social Science	900	SOC SCI	Social Science
Social Work	450	SW	Social Work
Sociology, Anthropology, and Criminology	980	SOC	Sociology
Sociology, Anthropology, and Criminology	982	CRIM	Criminology
Sociology, Anthropology, and Criminology	990	ANTH	Anthropology
Special Education	220	SPED	Special Education
Student Field Experiences	280	TEACHING	Teaching
Theatre	490	THEATRE	Theatre
University, Interdisciplinary	010	UNIV	University, Interdisciplinary
Women's and Gender Studies		WGS	Women's and Gender Studies
* Department of Design, Textiles, Gerontology, and Family Studies changed to School of Applied Human Sciences August 2010			
** Counseling programs moved to School of Applied Human Sciences August 2010			

COURSES AND COURSE DESCRIPTIONS PRINTED IN 2010-2012 CATALOG
 (Sorted by 2010 3-Digit Department Prefix)

2010 Dept Prefix	2010 Course #	Fall 2011 Subject Area Prefix	Fall 2011 Course #	Fall 2011 5000- level <i>shadow</i> number for 100g graduate registration	<i>Crosslisted/"Same as" Courses</i>
XXX	19P	UNIV	119P		
CAP	102	CAP	3102		<i>Same as 330:102 (TECH 3102)</i>
CAP	103	CAP	3103		
CAP	105	CAP	3105		
CAP	106	CAP	3106		<i>Same as 490:106 (THEATRE 3100)</i>
CAP	110	CAP	3110		<i>Same as 840:110 (BIOL 3110)</i>
CAP	121	CAP	3121		
CAP	122	CAP	3122		
CAP	123	CAP	3123		
CAP	124	CAP	3124		
CAP	125	CAP	3125		
CAP	128	CAP	3128		<i>Same as 48C:128 (COMM 4236)</i>
CAP	129	CAP	3129		
CAP	130	CAP	3130		
CAP	131	CAP	3131		
CAP	132	CAP	3132		
CAP	134	CAP	3134		
CAP	140	CAP	3140		
CAP	148	CAP	3148		<i>Same as 740:148 (GER 3048)</i>
CAP	151	CAP	3151		<i>Same as 650:151 (PHIL 3010)</i>
CAP	152	CAP	3152		<i>Same as 410:152 (HPE 3650)</i>
CAP	155	CAP	3155		<i>Same as 100:155 (BUSINESS 3155)</i>
CAP	158	CAP	3158		
CAP	160	CAP	3160		<i>Same as 410:160 (HPE 3160)</i>
CAP	173	CAP	3173		<i>Same as 640:173 (RELS 3510) and 650:173 (PHIL 3510)</i>
CAP	187	CAP	3187		<i>Same as 620:187 (ENGLISH 4577)</i>
CAP	194	CAP	3194		<i>Same as 640:194 (RELS 3110) and 650:194 (PHIL 3110)</i>
010	092	UNIV	1092		
010	196	UNIV	2196		
010	197	UNIV	4197		
080	091	MIL SCI	1091		
080	092	MIL SCI	1092		
080	093	MIL SCI	1094		
080	094	MIL SCI	1093		
080	095	MIL SCI	1095		
080	098	MIL SCI	1098		
080	116	MIL SCI	3116		
080	117	MIL SCI	3117		
080	118	MIL SCI	3118		
080	119	MIL SCI	3119		
080	189	MIL SCI	3189		
080	192	MIL SCI	3192		
100	010	BUSINESS	1000		
100	020	BUSINESS	2000		
100	040	BUSINESS	1010		
100	110	BUSINESS	3000		
100	120	BUSINESS	4000		
100	155	BUSINESS	3155		<i>Same as CAP:155 (CAP 3155)</i>
100	169	BUSINESS	3169		
120	030	ACCT	2120		
120	031	ACCT	2130		
120	129	ACCT	3120		
120	130	ACCT	3122		
120	131	ACCT	3130		
120	132	ACCT	4150		
120	134	ACCT	4160		

120	135g	ACCT	4025	5025	
120	136	ACCT	3140		
120	139g	ACCT	4070	5070	
120	141g	ACCT	4032	5032	
120	142	ACCT	4052		
120	144	ACCT	3055		
120	145g	ACCT	4065	5065	
120	148	ACCT	4080		
120	149	ACCT	4082		
120	150	ACCT	4084		
120	169	ACCT	3090		
120	170g	ACCT	3092	5092	
120	179	ACCT	3179		
120	185	ACCT	3094		
120	201	ACCT	6170		
120	214	ACCT	6175		
120	229	ACCT	6120		
120	236	ACCT	6140		
120	240	ACCT	6060		
120	242	ACCT	6052		
120	262	ACCT	6030		
120	263	ACCT	6032		
120	269	ACCT	6090		
120	280	ACCT	6092		
120	285	ACCT	6285		
120	289	ACCT	6289		
120	299	ACCT	6299		
130	101	MKTG	2110		
130	106g	MKTG	3113	5113	
130	108g	MKTG	3116	5116	
130	131	MKTG	3173		
130	142	MKTG	3595		
130	150	MKTG	3143		
130	153	MKTG	3153		
130	160	MKTG	3146		
130	161	MKTG	3163		
130	166	MKTG	3166		
130	169	MKTG	4595		
130	170g	MKTG	3583	5583	
130	175g	MKTG	3586	5586	
130	177g	MKTG	3176	5176	
130	178	MKTG	3156		
130	179	MKTG	3179		
130	191g	MKTG	4170	5170	
130	197g	MKTG	3589	5589	
130	198	MKTG	4198		
130	263	MKTG	6170		
130	280	MKTG	6595		
130	285	MKTG	6285		
130	297	MKTG	6297		
130	299	MKTG	6299		
150	032	MGMT	2032		
150	034	MGMT	2034		
150	080	MGMT	2080		
150	091	MGMT	2091		
150	100	MGMT	3100		
150	101	MGMT	3101		
150	102	MGMT	3102		
150	105g	MGMT	3905	5905	
150	112	MGMT	3112		
150	113	MGMT	3113		
150	114g	MGMT	3914	5914	
150	116g	MGMT	3916	5916	
150	117	MGMT	3117		

150	119g	MGMT	3919	5919	
150	120	MGMT	3120		
150	125	MGMT	3125		
150	127	MGMT	3127		
150	128	MGMT	3128		
150	130g	MGMT	3930	5930	
150	140	MGMT	3140		
150	145	MGMT	3145		
150	153	MGMT	3153		
150	154	MGMT	3154		
150	161	MGMT	3161		
150	163	MGMT	3163		
150	164	MGMT	3164		
150	165g	MGMT	3965	5965	
150	166g	MGMT	3966	5966	
150	167g	MGMT	4967	5967	
150	168g	MGMT	3968	5968	
150	169g	MGMT	3969	5969	
150	170	MGMT	3170		
150	174g	MGMT	3974	5974	<i>Same as 640:174g (RELS 3540/5540) and 650:174g (PHIL 3540/5540)</i>
150	175	MGMT	4175		
150	179	MGMT	3179		
150	187	MGMT	3187		
150	189	MGMT	3189		
150	191	MGMT	3191		
150	249	MGMT	6249		
150	250	MGMT	6250		
150	262	MGMT	6260		
150	272	MGMT	6262		
150	274	MGMT	6272		
150	276	MGMT	6276		
150	280	MGMT	6280		
150	285	MGMT	6285		
150	297	MGMT	6297		
150	299	MGMT	6299		
160	055	FIN	1040		
160	140	FIN	3110		
160	141	FIN	3125		
160	142	FIN	3120		
160	143	FIN	3115		
160	151g	FIN	3130	5130	
160	152g	FIN	3160	5160	
160	153g	FIN	3170	5170	
160	154	FIN	3034		
160	156g	FIN	4140	5140	
160	157g	FIN	3065	5065	
160	158g	FIN	3032	5032	
160	161	FIN	3135		
160	162	FIN	3050		
160	163	FIN	3055		
160	170	FIN	3080		
160	171	FIN	4145		
160	179	FIN	3179		
160	266	FIN	6266		
160	280	FIN	6280		
160	285	FIN	6285		
160	297	FIN	6297		
160	299	FIN	6299		
170	050	POSTSEC	1050		
170	055	POSTSEC	1055		
170	218	POSTSEC	6218		
170	222	POSTSEC	6222		
170	231	POSTSEC	6231		
170	250	POSTSEC	6250		

170	256	POSTSEC	6256		
170	260	POSTSEC	6260		
170	264	POSTSEC	6264		
170	266	POSTSEC	6266		
170	270	POSTSEC	6270		
170	285	POSTSEC	6285		
170	289	POSTSEC	6289		
170	290	POSTSEC	6290		
170	291	POSTSEC	6291		
170	299	POSTSEC	6299		
170	310	POSTSEC	7310		
170	311	POSTSEC	7311		Same as 270:311 (EDLEAD 7311)
170	389	POSTSEC	7389		
170	391	POSTSEC	7391		
170	397	POSTSEC	7397		
190	301	INTDEPED	7301		
190	303	INTDEPED	7303		
190	305	INTDEPED	7305		
190	307	INTDEPED	7307		
190	389	INTDEPED	7389		
190	399	INTDEPED	7399		
200	017	EDPSYCH	2017		
200	030	EDPSYCH	2030		
200	109g	EDPSYCH	4109	5109	
200	116g	EDPSYCH	4116	5116	
200	118g	EDPSYCH	4118	5118	
200	128	EDPSYCH	3128		
200	139g	EDPSYCH	4139	5139	
200	140g	EDPSYCH	4140	5140	
200	148	EDPSYCH	3148		
200	151g	EDPSYCH	4151	5151	
200	152g	EDPSYCH	4152	5152	
200	170g	EDPSYCH	4170	5170	
200	173g	EDPSYCH	4173	5173	
200	176g	EDPSYCH	4176	5176	
200	180g	EDPSYCH	4180	5180	
200	188g	EDPSYCH	4188	5188	
200	198	EDPSYCH	4198		
200	214	EDPSYCH	6214		
200	224	EDPSYCH	6224		
200	232	EDPSYCH	6232		
200	235	EDPSYCH	6235		
200	240	EDPSYCH	6240		
200	280	EDPSYCH	6280		
200	285	EDPSYCH	6285		
200	289	EDPSYCH	6289		
200	290	EDPSYCH	6290		
200	291	EDPSYCH	6291		
200	299	EDPSYCH	6299		
210	120	ELEMECML	3120		
210	121g	ELEMECML	4121	5121	
210	122	ELEMECML	3122		
210	123g	ELEMECML	4123	5123	
210	130g	ELEMECML	4130	5130	
210	135g	ELEMECML	4135	5135	
210	141g	ELEMECML	4141	5141	
210	142g	ELEMECML	4142	5142	
210	143g	ELEMECML	4143	5143	
210	149g	ELEMECML	4149	5149	
210	150g	ELEMECML	4152	5152	
210	151g	ELEMECML	4151	5151	
210	152g	ELEMECML	4150	5150	
210	155g	ELEMECML	4155	5155	
210	161	ELEMECML	3161		

210	164	ELEMECML	3164		
210	192g	ELEMECML	4192	5192	
210	201	ELEMECML	6201		
210	204	ELEMECML	6204		
210	214	ELEMECML	6214		
210	220	ELEMECML	6220		
210	221	ELEMECML	6221		
210	225	ELEMECML	6225		
210	228	ELEMECML	6228		
210	230	ELEMECML	6230		
210	242	ELEMECML	6242		
210	243	ELEMECML	6243		
210	254	ELEMECML	6254		
210	255	ELEMECML	6255		
210	257	ELEMECML	6257		
210	270	ELEMECML	6270		
210	285	ELEMECML	6285		
210	289	ELEMECML	6289		
210	297	ELEMECML	6297		
210	299	ELEMECML	6299		
210	352	ELEMECML	7352		
210	354	ELEMECML	7354		
210	389	ELEMECML	7389		
210	397	ELEMECML	7397		
220	125g	SPED	4125	5125	
220	126g	SPED	4126	5126	
220	132g	SPED	4132	5132	
220	134g	SPED	4134	5134	
220	136g	SPED	4136	5136	
220	138g	SPED	4138	5138	
220	140g	SPED	4140	5140	
220	141g	SPED	4141	5141	
220	142g	SPED	4142	5142	
220	143g	SPED	4143	5143	
220	146g	SPED	4146	5146	
220	147g	SPED	4147	5147	
220	150	SPED	3150		
220	151g	SPED	4151	5151	
220	152g	SPED	4152	5152	
220	153g	SPED	4153	5153	
220	167g	SPED	4167	5167	
220	170g	SPED	4170	5170	
220	174g	SPED	4174	5174	
220	183g	SPED	4183	5183	
220	184g	SPED	4184	5184	
220	185g	SPED	4185	5185	
220	187g	SPED	4187	5187	
220	192g	SPED	4192	5192	
220	240	SPED	6240		
220	245	SPED	6245		
220	254	SPED	6254		
220	256	SPED	6256		
220	260	SPED	6260		
220	278	SPED	6278		
220	289	SPED	6289		
220	290	SPED	6290		
220	293	SPED	6293		
220	295	SPED	6295		
220	299	SPED	6299		
220	386	SPED	7386		
230	044	LITED	1044		
230	115	LITED	2115		
230	116	LITED	3116		
230	117g	LITED	4117	5117	

230	119	LITED	3119		
230	121	LITED	3121		
230	140	LITED	2140		
230	147	LITED	3147		
230	155g	LITED	4155	5155	
230	192	LITED	3192		
230	193g	LITED	4193	5193	
230	212	LITED	6212		
230	238	LITED	6238		
230	239	LITED	6239		
230	240	LITED	6240		
230	245	LITED	6245		
230	247	LITED	6247		
230	260	LITED	6260		
230	289	LITED	6289		
230	290	LITED	6290		
230	292	LITED	6292		
230	299	LITED	6299		
230	302	LITED	7302		
230	303	LITED	7303		
230	304	LITED	7304		
230	305	LITED	7305		
230	306	LITED	7306		
230	307	LITED	7307		
230	354	LITED	7354		
230	389	LITED	7389		
230	397	LITED	7397		
240	020	INSTTECH	1020		
240	030	INSTTECH	1030		
240	031	INSTTECH	1031		
240	131g	INSTTECH	4131	5131	
240	138g	INSTTECH	4138	5138	
240	139g	INSTTECH	4139	5139	
240	140g	INSTTECH	4140	5140	
240	147g	INSTTECH	4147	5147	
240	150g	INSTTECH	4150	5150	
240	153g	INSTTECH	4153	5153	
240	160	INSTTECH	4160		
240	170g	INSTTECH	4170	5170	
240	186	INSTTECH	3186		
240	189	INSTTECH	4189		
240	205	INSTTECH	6205		
240	210	INSTTECH	6210		
240	230	INSTTECH	6230		
240	232	INSTTECH	6232		
240	235	INSTTECH	6235		
240	237	INSTTECH	6237		
240	240	INSTTECH	6240		
240	245	INSTTECH	6245		
240	260	INSTTECH	6260		
240	285	INSTTECH	6285		
240	286	INSTTECH	6286		
240	289	INSTTECH	6289		
240	297	INSTTECH	6297		
240	299	INSTTECH	6299		
240	340	INSTTECH	7340		
250	150	MEASRES	3150		
250	180g	MEASRES	4180	5180	
250	181g	MEASRES	4181	5181	
250	205	MEASRES	6205		
250	270	MEASRES	6270		
250	281	MEASRES	6281		
250	282	MEASRES	6282		
250	283	MEASRES	6283		

250	284	MEASRES	6284		
250	285	MEASRES	6285		
250	289	MEASRES	6289		
250	299	MEASRES	6299		
250	300	MEASRES	7300		
250	301	MEASRES	7301		
250	310	MEASRES	7310		
260	119	SOCFOUND	3119		
260	134g	SOCFOUND	4134	5134	
260	234	SOCFOUND	6234		
260	299	SOCFOUND	6299		
270	198	EDLEAD	4198		
270	206	EDLEAD	6206		
270	224	EDLEAD	6224		
270	232	EDLEAD	6232		
270	245	EDLEAD	6245		
270	247	EDLEAD	6247		
270	249	EDLEAD	6249		
270	282	EDLEAD	6282		
270	284	EDLEAD	6284		
270	285	EDLEAD	6285		
270	289	EDLEAD	6289		
270	290	EDLEAD	6290		
270	291	EDLEAD	6291		
270	292	EDLEAD	6292		
270	299	EDLEAD	6299		
270	310	EDLEAD	7310		
270	311	EDLEAD	7311		Same as 170:311 (POSTSEC 7311)
270	315	EDLEAD	7315		
270	318	EDLEAD	7318		
270	319	EDLEAD	7319		
270	325	EDLEAD	7325		
270	340	EDLEAD	7340		
270	346	EDLEAD	7346		
270	354	EDLEAD	7354		
270	385	EDLEAD	7385		
270	389	EDLEAD	7389		
270	391	EDLEAD	7391		
270	397	EDLEAD	7397		
280	132	TEACHING	3132		
280	134	TEACHING	3134		
280	135	TEACHING	3135		
280	137	TEACHING	3137		
280	138	TEACHING	3138		
280	139	TEACHING	3139		
280	140	TEACHING	3140		
280	150	TEACHING	3150		
280	151	TEACHING	3151		
280	170g	TEACHING	4170	5170	
280	191g	TEACHING	4191	5191	
280	250	TEACHING	6250		
290	103g	COUN	4103	5103	
290	105g	COUN	4105	5105	
290	198	COUN	4198		
290	205	COUN	6205		
290	210	COUN	6210		
290	220	COUN	6220		
290	225	COUN	6225		
290	226	COUN	6226		
290	227	COUN	6227		
290	228	COUN	6228		
290	241	COUN	6241		
290	250	COUN	6250		
290	254	COUN	6254		

290	256	COUN	6256		
290	262	COUN	6262		
290	285	COUN	6285		
290	289	COUN	6289		
290	290	COUN	6290		
290	291	COUN	6291		
290	299	COUN	6299		
300	130g	SAFETYED	4130	5130	
300	131g	SAFETYED	4131	5131	
300	132g	SAFETYED	4132	5132	
300	140g	SAFETYED	4140	5140	
300	192g	SAFETYED	4192	5192	
310	030	NUTR	1030		
310	031	NUTR	1031		
31F	010	FAM SERV	1010		
31F	020	FAM SERV	1020		
31F	030	FAM SERV	1030		
31F	054	FAM SERV	2054		
31F	055	FAM SERV	1055		
31F	057	FAM SERV	1057		
31F	060	FAM SERV	2060		
31F	077	FAM SERV	2077		
31F	145g	FAM SERV	3145	5145	
31F	150g	FAM SERV	3150	5150	
31F	153g	FAM SERV	4153	5153	
31F	155g	FAM SERV	3155	5155	
31F	157g	FAM SERV	4157	5157	
31F	160g	FAM SERV	3160	5160	
31F	162g	FAM SERV	3162	5162	
31F	177g	FAM SERV	3176	5176	
31F	178	FAM SERV	4178		
31F	180g	FAM SERV	3180	5180	
31F	182g	FAM SERV	3182	5182	
31F	184g	FAM SERV	4184	5184	
31F	190	FAM SERV	4190		
31F	195	FAM SERV	4195		
31F	198	FAM SERV	4198		
31G	170g	GERO	4170	5170	
31G	184g	GERO	4184	5184	
31G	192g	GERO	3192	5192	
31G	193	GERO	4193		Same as 410:193 (HPE 3693)
31G	194g	GERO	3194	5194	
31G	195	GERO	4195		
31G	198	GERO	4198		
31I	061	INTDSGN	1061		
31I	063	INTDSGN	1063		
31I	064	INTDSGN	2063		
31I	065	INTDSGN	1001		
31I	066	INTDSGN	2024		
31I	067	INTDSGN	1067		
31I	068	INTDSGN	2067		
31I	075	INTDSGN	3065		
31I	125	INTDSGN	2125		
31I	126	INTDSGN	3126		
31I	127	INTDSGN	3127		
31I	128	INTDSGN	3128		
31I	129	INTDSGN	3129		
31I	164	INTDSGN	3164		
31I	184g	INTDSGN	4184	5184	
31I	192g	INTDSGN	4192	5192	
31I	194g	INTDSGN	4194	5194	
31I	195	INTDSGN	4195		
31I	198	INTDSGN	4198		
31T	011	TEXDSGN	2006		

31T	012	TEXDSGN	1003		
31T	013	TEXDSGN	1002		
31T	014	TEXDSGN	2007		
31T	015	TEXDSGN	1017		
31T	020	TEXDSGN	1001		
31T	100	TEXDSGN	3008		
31T	114g	TEXDSGN	4015	5015	
31T	115g	TEXDSGN	4016	5016	
31T	116	TEXDSGN	2004		
31T	119	TEXDSGN	3011		
31T	121	TEXDSGN	2005		
31T	122	TEXDSGN	3012		
31T	123	TEXDSGN	3009		
31T	124	TEXDSGN	3010		
31T	184g	TEXDSGN	4184	5184	
31T	185	TEXDSGN	3013		
31T	192g	TEXDSGN	4192	5192	
31T	194g	TEXDSGN	4194	5194	
31T	195	TEXDSGN	4195		
31T	198	TEXDSGN	4198		
330	008	TECH	1008		
330	010	TECH	1010		
330	017	TECH	1017		
330	018	TECH	1018		
330	019	TECH	1019		
330	020	TECH	2020		
330	022	TECH	1022		
330	023	TECH	2024		
330	024	TECH	1024		
330	025	TECH	1025		
330	036	TECH	2036		
330	037	TECH	1037		
330	038	TECH	2038		
330	039	TECH	1039		
330	040	TECH	1040		
330	041	TECH	2041		
330	042	TECH	2042		
330	043	TECH	2043		
330	045	TECH	2045		
330	055	TECH	1055		
330	060	TECH	2060		
330	065	TECH	1065		
330	070	TECH	2070		
330	072	TECH	2072		
330	080	TECH	2080		
330	096	TECH	2096		
330	100	TECH	4100		
330	101g	TECH	3101	5101	
330	102	TECH	3102		Same as CAP:102 (CAP 3102)
330	103g	TECH	4103	5103	
330	104g	TECH	4104	5104	
330	112	TECH	4112		
330	113	TECH	3113		
330	114	TECH	3114		
330	115	TECH	1115		
330	119	TECH	2119		
330	120	TECH	3120		
330	121g	TECH	3121	5121	
330	122g	TECH	3122	5122	
330	124	TECH	3124		
330	125g	TECH	3125	5125	
330	126g	TECH	3126	5126	
330	127	TECH	3127		
330	128	TECH	3128		

330	129g	TECH	3129	5129	
330	131g	TECH	3131	5131	
330	132	TECH	3132		
330	134	TECH	3134		
330	135g	TECH	3135	5135	
330	136	TECH	4136		
330	137	TECH	4137		
330	142	TECH	2142		
330	144	TECH	1144		
330	145	TECH	3145		
330	147	TECH	3147		
330	148	TECH	3148		
330	149	TECH	3149		
330	150g	TECH	3150	5150	
330	152	TECH	2152		
330	153g	TECH	4153	5153	
330	154g	TECH	4154	5154	
330	155g	TECH	4155	5155	
330	156	TECH	2156		
330	157g	TECH	3157	5157	
330	158g	TECH	4158	5158	
330	160g	TECH	3160	5160	
330	161g	TECH	4161	5161	
330	163g	TECH	3163	5163	
330	164g	TECH	3164	5164	
330	165g	TECH	4165	5165	
330	166g	TECH	3166	5166	
330	167g	TECH	4167	5167	
330	168g	TECH	3168	5168	
330	169	TECH	1169		
330	173g	TECH	4173	5173	
330	174	TECH	4174		
330	175g	TECH	4175	5175	
330	176	TECH	4176		
330	177g	TECH	3177	5177	
330	178g	TECH	4178	5178	
330	180	TECH	4080		
330	181g	TECH	3181	5181	
330	182g	TECH	3182	5182	
330	183	TECH	3183		
330	185g	TECH	4185	5185	
330	187g	TECH	4187	5187	
330	188g	TECH	3188	5188	
330	190g	TECH	3190	5190	
330	191g	TECH	3191	5191	
330	192g	TECH	3192	5192	
330	193g	TECH	3193	5193	
330	194g	TECH	4194	5194	
330	195g	TECH	4195	5195	
330	196	TECH	2196		
330	197	TECH	4197		
330	198	TECH	4198		
330	200	TECH	6200		
330	225	TECH	6225		
330	231	TECH	6231		
330	234	TECH	6234		
330	235	TECH	6235		
330	242	TECH	6242		
330	244	TECH	6244		
330	248	TECH	6248		
330	250	TECH	6250		
330	258	TECH	6258		
330	262	TECH	6262		
330	265	TECH	6265		

330	273	TECH	6273		
330	275	TECH	6275		
330	282	TECH	6282		
330	283	TECH	6283		
330	284	TECH	6284		
330	288	TECH	6288		
330	290	TECH	6290		
330	291	TECH	6291		
330	292	TECH	6292		
330	294	TECH	6294		
330	295	TECH	6295		
330	296	TECH	6296		
330	299	TECH	6299		
330	300	TECH	7300		
330	375	TECH	7375		
330	376	TECH	7376		
330	377	TECH	7377		
330	378	TECH	7378		
330	388	TECH	7388		
330	399	TECH	7399		
350	010	SLS	1010		
350	112	SLS	1112		
350	114g	SLS	4114	5114	
350	115g	SLS	4115	5115	
350	132g	SLS	4132	5132	
350	134g	SLS	4134	5134	
350	223	SLS	6223		
350	225	SLS	6225		
350	230	SLS	6230		
350	250	SLS	6250		
350	285	SLS	6285		
350	289	SLS	6289		
350	290	SLS	6290		
350	295	SLS	6295		
350	299	SLS	6299		
400	001	PSYCH	1001		
400	020	PSYCH	2701		
400	025	PSYCH	2301		
400	050	PSYCH	2501		
400	060	PSYCH	2201		
400	070	PSYCH	2302		
400	101	PSYCH	2002		
400	102	PSYCH	3003		
400	106g	PSYCH	3404	5404	
400	118g	PSYCH	3004	5004	
400	120	PSYCH	2202		
400	125g	PSYCH	3603	5603	
400	127g	PSYCH	3104	5104	
400	132	PSYCH	2601		
400	134g	PSYCH	3502	5502	
400	142g	PSYCH	3403	5403	
400	149g	PSYCH	4604	5604	
400	150g	PSYCH	3503	5503	
400	151g	PSYCH	3504	5504	
400	152g	PSYCH	3103	5103	
400	153g	PSYCH	3505	5505	
400	154g	PSYCH	3303	5303	
400	155	PSYCH	2101		
400	157g	PSYCH	3305	5305	
400	158g	PSYCH	3304	5304	
400	160	PSYCH	2203		
400	161	PSYCH	2402		
400	162g	PSYCH	3606	5606	
400	163g	PSYCH	3605	5605	

400	164g	PSYCH	4607	5607	<i>Same as 990:164g (ANTH 3101/5101)</i>
400	166	PSYCH	2401		
400	167g	PSYCH	4608	5608	<i>Same as 980:167g (SOC 3411/5411) and 990:167g (ANTH 3411/5411)</i>
400	170g	PSYCH	3102	5102	
400	173g	PSYCH	3204	5204	
400	177	PSYCH	3602		<i>Same as 980:177 (SOC 3001) and 990:177 (ANTH 3001)</i>
400	185	PSYCH	2703		
400	189g	PSYCH	4609	5609	
400	192g	PSYCH	4704	5704	
400	193g	PSYCH	4705	5705	
400	198	PSYCH	4198		
400	210	PSYCH	6301		
400	218	PSYCH	6201		
400	220	PSYCH	6202		
400	225	PSYCH	6406		
400	232	PSYCH	6302		
400	234	PSYCH	6303		
400	237	PSYCH	6304		
400	239	PSYCH	6001		
400	241	PSYCH	6002		
400	244	PSYCH	6404		
400	246	PSYCH	6403		
400	249	PSYCH	6401		
400	254	PSYCH	6005		
400	261	PSYCH	6203		
400	262	PSYCH	6405		
400	264	PSYCH	6204		
400	270	PSYCH	6402		
400	272	PSYCH	6407		
400	285	PSYCH	6285		
400	289	PSYCH	6289		
400	290	PSYCH	6408		
400	291	PSYCH	6305		
400	292	PSYCH	6003		
400	293	PSYCH	6006		
400	294	PSYCH	6205		
400	299	PSYCH	6299		
410	005	HPE	1101		
410	020	HPE	2120		
410	060	HPE	2160		
410	110	HPE	3110		
410	112	HPE	3112		
410	118	HPE	3118		
410	125g	HPE	4125	5125	
410	128g	HPE	4328	5328	
410	131g	HPE	4431	5431	
410	135	HPE	3135		
410	138g	HPE	4438	5438	
410	140	HPE	3240		
410	144	HPE	3344		
410	145g	HPE	4485	5485	
410	147g	HPE	4247	5247	
410	151g	HPE	4551	5551	
410	152	HPE	3650		<i>Same as CAP:152 (CAP 3152)</i>
410	153g	HPE	4353	5353	
410	155g	HPE	4155	5155	
410	156g	HPE	4256	5256	
410	160	HPE	3160		<i>Same as CAP:160 (CAP 3160)</i>
410	161g	HPE	4161	5161	
410	162g	HPE	4162	5162	
410	163g	HPE	4663	5663	
410	164g	HPE	4164	5164	
410	165g	HPE	4665	5665	<i>Same as 830:165g (ENV SCI 4665/5665)</i>
410	166g	HPE	4666	5666	<i>Same as 830:166g (ENV SCI 4666/5666)</i>

410	167g	HPE	4167	5167	
410	168	HPE	4768		
410	176g	HPE	4376	5376	
410	178g	HPE	4378	5378	
410	180g	HPE	4580	5580	
410	185	HPE	3686		
410	189	HPE	3689		
410	193	HPE	3693		<i>Same as 31G:193 (GERO 4193)</i>
410	197g	HPE	4297	5297	
410	220	HPE	6220		
410	271	HPE	6271		<i>Same as 420:271 (PEMES 6271)</i>
410	285	HPE	6285		
410	289	HPE	6289		
410	290	HPE	6390		
410	293	HPE	6393		
410	295	HPE	6245		
410	297	HPE	6297		
410	299	HPE	6299		
410	319	HPE	7214		
410	320	HPE	7320		
410	389	HPE	7389		
420	001	PEMES	2001		
420	011	PEMES	2011		
420	013	PEMES	2013		
420	015	PEMES	2015		
420	016	PEMES	2016		
420	017	PEMES	2017		
420	021	PEMES	2021		
420	024	PEMES	2024		
420	025	PEMES	2025		
420	034	PEMES	2034		
420	036	PEMES	2036		
420	037	PEMES	2037		
420	045	PEMES	2045		
420	050	PEMES	2050		
420	053	PEMES	2053		
420	056	PEMES	2056		
420	060	PEMES	2060		
420	061	PEMES	2061		
420	101	PEMES	3101		
420	102	PEMES	3102		
420	104	PEMES	3104		
420	107	PEMES	3107		
420	108	PEMES	3108		
420	111	PEMES	3111		
420	112	PEMES	3112		
420	113	PEMES	3113		
420	118	PEMES	3118		
420	120	PEMES	3120		
420	121	PEMES	3121		
420	122	PEMES	3122		
420	123	PEMES	3123		
420	127g	PEMES	4217	5217	
420	131	PEMES	3131		
420	132	PEMES	3132		
420	135	PEMES	3135		
420	140	PEMES	3140		
420	151	PEMES	3151		
420	152g	PEMES	4152	5152	
420	153	PEMES	3153		
420	154	PEMES	3154		
420	155g	PEMES	3155	5155	
420	156	PEMES	3156		
420	157	PEMES	3157		

420	162	PEMES	3162		
420	168	PEMES	3168		
420	173	PEMES	3173		
420	174	PEMES	3174		
420	176	PEMES	3176		
420	185	PEMES	3185		
420	191	PEMES	3191		
420	193	PEMES	3193		
420	194	PEMES	4194		
420	197	PEMES	3197		
420	198	PEMES	4198		
420	200	PEMES	6200		
420	222	PEMES	6222		
420	230	PEMES	6230		
420	231	PEMES	6231		
420	251	PEMES	6251		
420	253	PEMES	6253		
420	255	PEMES	6255		
420	260	PEMES	6260		
420	271	PEMES	6271		<i>Same as 410:271 (HPE 6271)</i>
420	273	PEMES	6273		
420	285	PEMES	6285		
420	289	PEMES	6289		
420	293	PEMES	6293		
420	295	PEMES	6295		
420	297	PEMES	6297		
420	299	PEMES	6299		
42T	018	AT	1018		
42T	019	AT	1019		
42T	023	AT	1010		
42T	024	AT	2011		
42T	028	AT	2020		
42T	033	AT	2030		
42T	034	AT	2031		
42T	110	AT	3060		
42T	134	AT	2050		
42T	135	AT	2051		
42T	137	AT	2040		
42T	138	AT	2041		
42T	140	AT	3000		
42T	143	AT	3070		
42T	144	AT	3071		
42T	157	AT	3080		
42T	158	AT	3081		
42T	162	AT	3090		
42T	165	AT	3110		
42T	170	AT	3120		
42T	175	AT	3130		
42T	178	AT	4140		
42T	180	AT	4150		
42T	210	AT	6210		
42T	220	AT	6220		
42T	230	AT	6240		
42T	240	AT	6250		
42T	250	AT	6260		
42T	260	AT	6270		
42T	270	AT	6280		
42T	289	AT	6289		
42T	297	AT	6297		
42T	301	AT	7310		
42T	310	AT	7320		
430	010	LYHS	2010		
430	020	LYHS	2020		
430	030	LYHS	3030		

430	050	LYHS	2551		
430	060	LYHS	2335		
430	070	LYHS	2770		
430	075	LYHS	3772		
430	110	LYHS	3060		
430	114	LYHS	3050		
430	121	LYHS	2040		
430	123	LYHS	3991		
430	130g	LYHS	4552	5552	
430	138g	LYHS	4779	5779	
430	140g	LYHS	4621	5621	
430	141g	LYHS	4623	5623	
430	143g	LYHS	4553	5553	
430	144g	LYHS	4625	5625	
430	146g	LYHS	4554	5554	
430	151	LYHS	4055		
430	154	LYHS	3337		
430	155	LYHS	3338		
430	157	LYHS	2336		
430	160g	LYHS	4995	5995	
430	163g	LYHS	4997	5997	
430	165g	LYHS	4265	5265	
430	167g	LYHS	4996	5996	
430	168g	LYHS	4115	5115	
430	169g	LYHS	4070	5070	
430	170g	LYHS	4776	5776	
430	171g	LYHS	4778	5778	
430	172g	LYHS	4116	5116	
430	173	LYHS	3774		
430	183	LYHS	2119		
430	184	LYHS	4090		
430	185	LYHS	3290		
430	187	LYHS	4095		
430	188g	LYHS	4339	5339	
430	189	LYHS	4080		
430	201	LYHS	6201		
430	202	LYHS	6202		
430	220	LYHS	6410		
430	240	LYHS	6200		
430	241	LYHS	6414		
430	244	LYHS	6416		
430	248	LYHS	6203		
430	249	LYHS	6420		
430	250	LYHS	6412		
430	251	LYHS	6408		
430	253	LYHS	6406		
430	254	LYHS	6404		
430	256	LYHS	6418		
430	260	LYHS	6402		
430	285	LYHS	6285		
430	291	LYHS	6295		
430	299	LYHS	6299		
430	310	LYHS	7410		
430	312	LYHS	7412		
430	329	LYHS	7999		
440	010	HPELS	1010		
440	045	HPELS	2045		
440	120	HPELS	2120		
440	210	HPELS	6210		
440	215	HPELS	6215		
440	290	HPELS	6290		
450	041	SW	1041		Same as 900:041 (SOC SCI 1041)
450	042	SW	2042		
450	045	SW	2045		Same s 900:045 (SOC SCI 1045) and 980:045 (SOC 1045)

450	080	SW	2080		
450	091	SW	2091		
450	102	SW	3102		<i>Same as 980:102 (SOC 2090) and 990:102 (ANTH 2090)</i>
450	121g	SW	4121	5121	
450	142g	SW	4142	5142	
450	143g	SW	4143	5143	
450	144g	SW	4144	5144	
450	163g	SW	4163	5163	
450	164g	SW	4164	5164	
450	171g	SW	4171	5171	
450	172g	SW	4172	5172	
450	173g	SW	4173	5173	
450	175g	SW	4175	5175	
450	184	SW	3184		
450	185	SW	3185		
450	189	SW	3189		
450	190	SW	4190		
450	192	SW	3192		
450	193g	SW	4193	5193	
450	194g	SW	4194	5194	
450	195g	SW	4195	5195	
450	196g	SW	4196	5196	
450	210	SW	6210		
450	211	SW	6211		
450	212	SW	6212		
450	213	SW	6213		
450	214	SW	6214		
450	215	SW	6215		
450	216	SW	6216		
450	218	SW	6218		
450	219	SW	6219		
450	230	SW	6230		
450	239	SW	6239		
450	240	SW	6240		
450	241	SW	6241		
450	242	SW	6242		
450	243	SW	6243		
450	244	SW	6244		
450	250	SW	6250		
450	255	SW	6255		
450	260	SW	6260		
450	261	SW	6261		
450	262	SW	6262		
450	263	SW	6263		
450	264	SW	6264		
450	280	SW	6280		
450	285	SW	6285		
450	289	SW	6289		
48C	001	COMM	1000		
48C	002	COMM	2011		
48C	004	COMM	2344		
48C	011	COMM	2256		
48C	015	COMM	2455		
48C	024	COMM	2533		
48C	025	COMM	2555		
48C	031	COMM	1205		
48C	071	COMM	2255		
48C	074	COMM	2257		
48C	080	COMM COR	2020		
48C	091	COMM	1940		
48C	093	COMM	1941		
48C	108g	COMM	4447	5447	
48C	110g	COMM	4448	5448	
48C	113g	COMM	4446	5446	

48C	117g	COMM	4490	5490	
48C	119g	COMM	4909	5909	
48C	120g	COMM	4544	5544	
48C	121g	COMM	4311	5311	<i>Same as 680:102g (HUM 3102/5102)</i>
48C	122g	COMM	4411	5411	
48C	123g	COMM	4211	5211	
48C	124	COMM COR	4124		
48C	128	COMM	4236		<i>Same as CAP:128 (CAP 3128)</i>
48C	131g	COMM	4111	5111	
48C	132	COMM	2155		
48C	134g	COMM	4134	5134	
48C	135g	COMM	4155	5155	
48C	136g	COMM	4316	5316	
48C	138g	COMM	4116	5116	
48C	141g	COMM	4355	5355	
48C	142g	COMM	4347	5347	
48C	144g	COMM	4322	5322	
48C	146	COMM	3455		
48C	148g	COMM	4333	5333	
48C	151g	COMM	4344	5344	
48C	153g	COMM	4346	5346	
48C	155g	COMM	4444	5444	
48C	160g	COMM	4216	5216	
48C	166g	COMM	3000	5000	
48C	168g	COMM	4555	5555	
48C	173	COMM	3155		
48C	176g	COMM	4217	5217	
48C	178	COMM	4218		
48C	179	COMM	3179		
48C	180g	COMM	4021	5021	
48C	183g	COMM	4022	5022	
48C	187g	COMM	4559	5559	
48C	189g	COMM	4023	5023	
48C	191	COMM	3940		
48C	193	COMM	3941		
48C	197g	COMM	3900	5900	
48C	201	COMMGRAD	6001		<i>Crosslisted with 48E:201 (COMMGRAD 6001) and 48P:201 (COMMGRAD 6001)</i>
48C	212	COMMGRAD	6044		
48C	222	COMMGRAD	6042		
48C	224	COMMGRAD	6011		
48C	232	COMMGRAD	6041		
48C	236	COMMGRAD	6022		
48C	244	COMMGRAD	6043		
48C	251	COMMGRAD	6014		
48C	282	COMMGRAD	6045		
48C	291	COMMGRAD	6955		<i>Crosslisted with 48E:291 (COMMGRAD 6955)</i>
48C	292	COMMGRAD	6900		<i>Crosslisted with 48E:292 (COMMGRAD 6900) and 48P:292 (COMMGRAD 6900)</i>
48C	299	COMMGRAD	6299		
48E	003	COMM EM	1655		
48E	011	COMM EM	2656		
48E	013	COMM EM	1013		
48E	021	COMM EM	1611		
48E	071	COMM EM	1659		
48E	091	COMM EM	2940		
48E	112	COMM EM	3657		
48E	113	COMM EM	3655		
48E	117	COMM EM	3658		
48E	121g	COMM EM	4646	5646	
48E	123g	COMM EM	4633	5633	
48E	131g	COMM EM	4655	5655	
48E	132g	COMM EM	4636	5636	
48E	134g	COMM EM	4656	5656	
48E	136	COMM EM	3651		
48E	139g	COMM EM	4611	5611	

48E	141g	COMM EM	4616	5616	
48E	161g	COMM EM	4647	5647	
48E	166g	COMM EM	4600	5600	
48E	179	COMM EM	3179		
48E	191	COMM EM	3940		
48E	195	COMM EM	4644		
48E	197g	COMM EM	3900	5900	
48E	201	COMMGRAD	6001		<i>Crosslisted with 48C:201 (COMMGRAD 6001) and 48P:201 (COMMGRAD 6001)</i>
48E	222	COMMGRAD	6046		
48E	224	COMMGRAD	6016		
48E	291	COMMGRAD	6955		<i>Crosslisted with 48C:291 (COMMGRAD 6955)</i>
48E	292	COMMGRAD	6900		<i>Crosslisted with 48C:292 (COMMGRAD 6900) and 48P:292 (COMMGRAD 6900)</i>
48E	299	COMMGRAD	6299		
48J	002	COMM COR	1010		
48J	007	COMM J	1755		
48J	071	COMM J	2755		
48J	121g	COMM J	4711	5711	
48J	124g	COMM COR	3010	5010	
48J	132g	COMM J	4743	5743	
48J	151g	COMM J	4754	5754	
48J	171g	COMM J	4735	5735	
48J	172	COMM J	3756		
48J	174	COMM J	3755		
48J	176g	COMM J	4765	5765	
48J	178g	COMM J	4715	5715	
48J	179	COMM J	3179		
48J	197	COMM J	3900		
48P	005	COMM PR	1811		
48P	091	COMM PR	1840		
48P	170g	COMM PR	4822	5822	
48P	173	COMM PR	2855		
48P	179	COMM PR	3179		
48P	182g	COMM PR	4855	5855	
48P	184g	COMM PR	3844	5844	
48P	188g	COMM PR	4811	5811	
48P	191	COMM PR	3940		
48P	197g	COMM PR	3900	5900	
48P	201	COMMGRAD	6001		<i>Crosslisted with 48C:201 (COMMGRAD 6001) and 48E:201 (COMMGRAD 6001)</i>
48P	222	COMMGRAD	6048		
48P	224	COMMGRAD	6018		
48P	282	COMMGRAD	6027		
48P	292	COMMGRAD	6900		<i>Crosslisted with 48C:292 (COMMGRAD 6900) and 48E:292 (COMMGRAD 6900)</i>
48P	299	COMMGRAD	6299		
490	002	THEATRE	1002		
490	010	THEATRE	1010		
490	011	THEATRE	1011		
490	015	THEATRE	1012		
490	016	THEATRE	1015		
490	020	THEATRE	1020		
490	024	THEATRE	1030		
490	027	THEATRE	2030		
490	040	THEATRE	2040		
490	050	THEATRE	2050		
490	056	THEATRE	2055		
490	101	THEATRE	1100		
490	104g	THEATRE	3110	5110	
490	106	THEATRE	3100		<i>Same as CAP:106 (CAP 3106)</i>
490	109	THEATRE	3115		
490	121	THEATRE	2120		
490	122	THEATRE	2130		
490	126g	THEATRE	3120	5120	
490	127g	THEATRE	3125	5125	
490	128	THEATRE	3130		
490	129g	THEATRE	3135	5135	

490	135	THEATRE	3060		
490	136	THEATRE	3070		
490	137g	THEATRE	3080	5080	
490	138	THEATRE	2020		
490	140	THEATRE	2140		
490	141	THEATRE	3140		
490	142	THEATRE	3145		
490	143	THEATRE	3150		
490	144g	THEATRE	3155	5155	
490	151g	THEATRE	3050	5050	
490	155g	THEATRE	3180	5180	
490	157g	THEATRE	3190	5190	
490	158g	THEATRE	3200	5200	
490	161	THEATRE	3160		
490	166g	THEATRE	4166	5166	
490	168g	THEATRE	3195	5195	
490	170	THEATRE	3170		
490	199	THEATRE	3199		
490	285	THEATRE	6285		
490	289	THEATRE	6289		
490	299	THEATRE	6299		
51C	006	CSD	1000		
51C	106	CSD	2100		
51C	107	CSD	2101		
51C	111	CSD	2120		
51C	114	CSD	2130		
51C	125	CSD	3220		
51C	127g	CSD	3200	5200	
51C	129	CSD	3550		
51C	151	CSD	2500		
51C	152	CSD	3500		
51C	155	CSD	4500		
51C	160g	CSD	4100	5100	
51C	162g	CSD	3250	5250	
51C	164g	CSD	3130	5130	
51C	166g	CSD	3750	5750	
51C	168g	CSD	3700	5700	
51C	170	CSD	2800		
51C	173	CSD	3800		
51C	175g	CSD	3260	5260	
51C	177g	CSD	3270	5270	
51C	180g	CSD	3900	5900	
51C	190g	CSD	4200	5200	
51C	197g	CSD	4000	5000	
51C	200	CSD	6000		
51C	257	CSD	6580		
51C	282	CSD	6100		
51C	285	CSD	6285		
51C	299	CSD	6299		
51S	220	CSD	6200		
51S	222	CSD	6300		
51S	226	CSD	6400		
51S	228	CSD	6650		
51S	229	CSD	6600		
51S	230	CSD	6450		
51S	232	CSD	6700		
51S	250	CSD	6550		
51S	255	CSD	6500		
51S	289	CSD	6289		
520	010	MUSIC	1100		
520	102g	MUSIC	3020	5020	
520	299	MUSIC	6299		
530	010	MUS ENS	1100		
530	012	MUS ENS	1120		

530	015	MUS ENS	1150		
530	016	MUS ENS	1160		
530	017	MUS ENS	1170		
530	018	MUS ENS	1180		
530	019	MUS ENS	1190		
530	110g	MUS ENS	3100	5100	
530	112g	MUS ENS	3120	5120	
530	115g	MUS ENS	3150	5150	
530	116g	MUS ENS	3160	5160	
530	117g	MUS ENS	3170	5170	
530	118g	MUS ENS	3180	5180	
530	119g	MUS ENS	3190	5190	
540	029	MUS APPL	1290		
540	030	MUS APPL	1300		
540	031	MUS APPL	1310		
540	032	MUS APPL	1320		
540	034	MUS APPL	1340		
540	035	MUS APPL	1350		
540	036	MUS APPL	1360		
540	037	MUS APPL	1370		
540	038	MUS APPL	1380		
540	039	MUS APPL	1390		
540	040	MUS APPL	1400		
540	041	MUS APPL	1410		
540	042	MUS APPL	1420		
540	043	MUS APPL	1430		
540	044	MUS APPL	1440		
540	045	MUS APPL	1450		
540	046	MUS APPL	1460		
540	047	MUS APPL	1470		
540	048	MUS APPL	1480		
540	049	MUS APPL	1490		
540	050	MUS APPL	1500		
540	051	MUS APPL	1510		
540	052	MUS APPL	1520		
540	053	MUS APPL	1530		
540	054	MUS APPL	1540		
540	055	MUS APPL	1550		
540	056	MUS APPL	1560		
540	057	MUS APPL	1570		
540	058	MUS APPL	1580		
540	060	MUS APPL	2600		
540	129g	MUS APPL	3290	5290	
540	130g	MUS APPL	3300	5300	
540	131g	MUS APPL	3310	5310	
540	132g	MUS APPL	3320	5320	
540	134g	MUS APPL	3340	5340	
540	135g	MUS APPL	3350	5350	
540	136g	MUS APPL	3360	5360	
540	137g	MUS APPL	3370	5370	
540	138g	MUS APPL	3380	5380	
540	139g	MUS APPL	3390	5390	
540	140g	MUS APPL	3400	5400	
540	141g	MUS APPL	3410	5410	
540	142g	MUS APPL	3420	5420	
540	143g	MUS APPL	3430	5430	
540	144g	MUS APPL	3440	5440	
540	145g	MUS APPL	3450	5450	
540	146g	MUS APPL	3460	5460	
540	147g	MUS APPL	3470	5470	
540	148g	MUS APPL	3480	5480	
540	149g	MUS APPL	3490	5490	
540	150g	MUS APPL	3500	5500	
540	151g	MUS APPL	3510	5510	

540	152g	MUS APPL	3520	5520	
540	153g	MUS APPL	3530	5530	
540	154g	MUS APPL	3540	5540	
540	155g	MUS APPL	3550	5550	
540	156g	MUS APPL	3560	5560	
540	157g	MUS APPL	3570	5570	
540	158g	MUS APPL	3580	5580	
540	178	MUS APPL	3780		
540	189	MUS APPL	4890		
540	221	MUS APPL	6210		
540	222	MUS APPL	6220		
540	229	MUS APPL	6290		
540	230	MUS APPL	6300		
540	231	MUS APPL	6310		
540	232	MUS APPL	6320		
540	234	MUS APPL	6340		
540	235	MUS APPL	6350		
540	236	MUS APPL	6360		
540	237	MUS APPL	6370		
540	238	MUS APPL	6380		
540	239	MUS APPL	6390		
540	240	MUS APPL	6400		
540	241	MUS APPL	6410		
540	242	MUS APPL	6420		
540	243	MUS APPL	6430		
540	244	MUS APPL	6440		
540	245	MUS APPL	6450		
540	246	MUS APPL	6460		
540	247	MUS APPL	6470		
540	248	MUS APPL	6480		
540	249	MUS APPL	6490		
540	250	MUS APPL	6500		
540	251	MUS APPL	6510		
540	252	MUS APPL	6520		
540	253	MUS APPL	6530		
540	254	MUS APPL	6540		
540	255	MUS APPL	6550		
540	256	MUS APPL	6560		
540	257	MUS APPL	6570		
540	258	MUS APPL	6580		
540	288	MUS APPL	6880		
540	Nxx	MUS APPL	1xx5		
540	P46	MUS APPL	1467		
560	010	MUS TECH	1100		
560	017	MUS TECH	1170		
560	018	MUS TECH	1180		
560	021	MUS TECH	1210		
560	022	MUS TECH	1220		
560	030	MUS TECH	1300		
560	031	MUS TECH	1310		
560	032	MUS TECH	1320		
560	033	MUS TECH	1330		
560	045	MUS TECH	1450		
560	052	MUS TECH	1520		
560	060	MUS TECH	1600		
560	110g	MUS TECH	3100	5100	
560	111	MUS TECH	3110		
560	112	MUS TECH	3120		
560	113	MUS TECH	4130		
560	121g	MUS TECH	3210	5210	
560	122g	MUS TECH	3220	5220	
560	135g	MUS TECH	3350	5350	
560	145g	MUS TECH	3450	5450	
560	152g	MUS TECH	3520	5520	

560	161g	MUS TECH	3610	5610	
560	223	MUS TECH	6230		
560	250	MUS TECH	6500		
560	252	MUS TECH	6520		
560	299	MUS TECH	6299		
570	010	MUS ED	1100		
570	050	MUS ED	1500		
570	075	MUS ED	1750		
570	101	MUS ED	3010		
570	102	MUS ED	3020		
570	103	MUS ED	3030		
570	130g	MUS ED	3300	5300	
570	138g	MUS ED	3380	5380	
570	141	MUS ED	3410		
570	145g	MUS ED	3450	5450	
570	148g	MUS ED	3480	5480	
570	149g	MUS ED	3490	5490	
570	161	MUS ED	3610		
570	162	MUS ED	3620		
570	163	MUS ED	3630		
570	164	MUS ED	3640		
570	165	MUS ED	3650		
570	175g	MUS ED	3750	5750	
570	197g	MUS ED	3970	5970	
570	221	MUS ED	6210		
570	230	MUS ED	6300		
570	250	MUS ED	6500		
570	252	MUS ED	6520		
570	255	MUS ED	6550		
570	257	MUS ED	6570		
570	258	MUS ED	6580		
570	260	MUS ED	6600		
570	282	MUS ED	6820		
570	285	MUS ED	6285		
570	287	MUS ED	6870		
570	299	MUS ED	6299		
580	010	MUS THEO	1100		
580	011	MUS THEO	1110		
580	012	MUS THEO	1120		
580	013	MUS THEO	2130		
580	014	MUS THEO	2140		
580	015	MUS THEO	1150		
580	016	MUS THEO	1160		
580	017	MUS THEO	2170		
580	018	MUS THEO	2180		
580	025	MUS THEO	1250		
580	026	MUS THEO	1260		
580	027	MUS THEO	2270		
580	028	MUS THEO	2280		
580	030	MUS THEO	1300		
580	110	MUS THEO	3100		
580	122	MUS THEO	3220		
580	123	MUS THEO	3230		
580	125g	MUS THEO	3250	5250	
580	126g	MUS THEO	3260	5260	
580	127g	MUS THEO	3270	5270	
580	128g	MUS THEO	3280	5280	
580	132g	MUS THEO	3320	5320	
580	180g	MUS THEO	3800	5800	
580	190	MUS THEO	4900		
580	210	MUS THEO	6100		
580	211	MUS THEO	6110		
580	299	MUS THEO	6299		
590	001	MUS HIST	1010		

590	002	MUS HIST	1020		
590	003	MUS HIST	1030		
590	110g	MUS HIST	3100	5100	
590	111g	MUS HIST	3110	5110	
590	112g	MUS HIST	3120	5120	
590	114g	MUS HIST	3140	5140	
590	115g	MUS HIST	3150	5150	
590	130g	MUS HIST	3300	5300	
590	151g	MUS HIST	3510	5510	
590	160g	MUS HIST	3600	5600	
590	180g	MUS HIST	3800	5800	
590	222	MUS HIST	6220		
590	250	MUS HIST	6500		
590	285	MUS HIST	6285		
590	289	MUS HIST	6289		
590	299	MUS HIST	6299		
595	120g	MUS LIT	3200	5200	
595	131g	MUS LIT	3310	5310	
595	140g	MUS LIT	3400	5400	
595	142g	MUS LIT	3420	5420	
595	299	MUS LIT	6299		
600	002	ART	1002		
600	004	ARTHIST	1004		
600	018	ART	1011		
600	019	ART	1022		
600	025	ART	2030		
600	026	ART	1222		
600	027	ART	1333		
600	032	ART	2070		
600	033	ART	2081		
600	034	ART	2082		
600	035	ART	2083		
600	036	ART	2084		
600	037	ART	2090		
600	040	ARTHIST	1111		
600	041	ARTHIST	1222		
600	050	ART	2020		
600	060	ART	2060		
600	074	ART	2040		
600	080	ART	2050		
600	090	ARTED	1500		
600	091	ARTED	2500		
600	092	ARTED	3500		
600	111	ART	3011		
600	118	ART	3001		
600	119	ARTED	3505		
600	121	ARTED	4500		
600	124	ART	3040		
600	125	ART	3030		
600	126	ART	3031		
600	127	ART	3034		
600	128	ART	3032		
600	129	ART	3033		
600	130	ART	3070		
600	131	ART	3077		
600	132	ART	3078		
600	134	ART	3080		
600	136	ART	3082		
600	137	ART	3090		
600	138g	ARTHIST	4000	5000	
600	139g	ARTHIST	4002	5002	
600	140g	ARTHIST	4010	5010	
600	141g	ARTHIST	4020	5020	
600	142g	ARTHIST	4300	5300	

600	143g	ARTHIST	4030	5030	
600	144g	ARTHIST	4310	5310	
600	145g	ARTHIST	4040	5040	
600	146g	ARTHIST	4320	5320	
600	147g	ARTHIST	4600	5600	
600	148g	ARTHIST	4302	5302	
600	149g	ARTHIST	4602	5602	
600	150g	ARTHIST	4604	5604	
600	151g	ARTHIST	4350	5350	
600	152g	ARTHIST	4362	5362	
600	153g	ARTHIST	4322	5322	
600	154g	ARTHIST	4340	5340	
600	155g	ARTHIST	4900	5900	
600	156g	ARTHIST	4606	5606	
600	161	ART	3020		
600	162	ART	3050		
600	163	ART	3060		
600	170	ART	3044		
600	171g	ART	3023	5023	
600	172	ART	3022		
600	173g	ART	3066	5066	
600	174	ART	3088		
600	175	ART	4000		
600	177	ART	3099		
600	180	ART	3055		
600	181	ART	3036		
600	182	ART	3035		
600	183	ART	3037		
600	184	ART	3038		
600	189	ART	4400		
600	191g	ARTHIST	4999	5999	
600	192g	ART	4300	5300	
600	194g	ART	4010	5010	
600	196	ART	4111		
600	197	ART	4222		
600	198	ART	4198		
600	295	ARTED	6500		
600	297	ART	6297		
600	299	ART	6299		
620	002	ENGLISH	1002		
620	005	ENGLISH	1005		
620	015	ENGLISH	2015		
620	031	ENGLISH	1120		
620	034	ENGLISH	2120		
620	035	ENGLISH	2650		
620	040	ENGLISH	2520		
620	042	ENGLISH	2320		
620	043	ENGLISH	2340		
620	053	ENGLISH	2420		
620	070	ENGLISH	2715		
620	071	ENGLISH	2725		
620	077	ENGLISH	2770		
620	102g	ENGLISH	4765	5765	
620	103	ENGLISH	4710		
620	104g	ENGLISH	4770	5770	
620	105g	ENGLISH	4775	5775	
620	107g	ENGLISH	4780	5780	
620	108g	ENGLISH	4715	5715	
620	109g	ENGLISH	4725	5725	
620	110g	ENGLISH	4310	5310	
620	113g	ENGLISH	4315	5315	
620	115g	ENGLISH	4615	5615	
620	116g	ENGLISH	4320	5320	
620	117g	ENGLISH	4325	5325	

620	118g	ENGLISH	4330	5330	
620	119g	ENGLISH	4335	5335	
620	120g	ENGLISH	4345	5345	
620	121g	ENGLISH	4420	5420	
620	123g	ENGLISH	4425	5425	
620	124g	ENGLISH	4445	5445	
620	126g	ENGLISH	4688	5688	
620	128g	ENGLISH	4120	5120	
620	134g	ENGLISH	4602	5602	
620	139g	ENGLISH	4652	5652	
620	142g	ENGLISH	4660	5660	
620	144g	ENGLISH	4370	5370	
620	147g	ENGLISH	4380	5380	
620	148g	ENGLISH	4375	5375	
620	150g	ENGLISH	4188	5188	
620	151g	ENGLISH	4410	5410	
620	153g	ENGLISH	4430	5430	
620	156g	ENGLISH	4340	5340	
620	157g	ENGLISH	4540	5540	
620	158g	ENGLISH	4560	5560	
620	161g	ENGLISH	4140	5140	
620	163g	ENGLISH	4025	5025	
620	164g	ENGLISH	4040	5040	
620	165g	ENGLISH	4940	5940	
620	170g	ENGLISH	4672	5672	
620	172g	ENGLISH	4632	5632	
620	174g	ENGLISH	4740	5740	
620	175g	ENGLISH	4750	5750	
620	177g	ENGLISH	4785	5785	
620	182g	ENGLISH	4664	5664	
620	187	ENGLISH	4577		<i>Same as CAP:187 (CAP 3187)</i>
620	188g	ENGLISH	4190	5190	
620	190g	ENGLISH	4980	5980	
620	191g	ENGLISH	4985	5985	
620	193g	ENGLISH	4920	5920	
620	195g	ENGLISH	4990	5990	
620	197g	ENGLISH	4790	5790	
620	198	ENGLISH	4198		
620	201	ENGLISH	6100		
620	204	ENGLISH	6110		
620	206	ENGLISH	6120		
620	208	ENGLISH	6140		
620	220	ENGLISH	6310		
620	221	ENGLISH	6320		
620	223	ENGLISH	6330		
620	226	ENGLISH	6350		
620	231	ENGLISH	6420		
620	232	ENGLISH	6430		
620	234	ENGLISH	6450		
620	260	ENGLISH	6540		
620	270	ENGLISH	6720		
620	284	ENGLISH	6188		
620	291	ENGLISH	6980		
620	297	ENGLISH	6297		
620	299	ENGLISH	6299		
630	125g	TESOL	4120	5120	
630	130g	TESOL	4110	5110	
630	143g	TESOL	4140	5140	
630	154g	TESOL	4350	5350	
630	160g	TESOL	4540	5540	
630	163g	TESOL	4520	5520	
630	165g	TESOL	4510	5510	
630	190g	TESOL	4710	5710	
630	192g	TESOL	4340	5340	

630	193g	TESOL	4740	5740	
630	194g	TESOL	4760	5760	
630	195g	TESOL	4310	5310	
630	196g	TESOL	4720	5720	
630	198	TESOL	4198		
630	201	TESOL	6100		
630	240	TESOL	6740		
630	289	TESOL	6289		
630	292	TESOL	6510		
630	295	TESOL	6760		
630	297	TESOL	6297		
630	299	TESOL	6299		
640	024	RELS	1020		
640	030	RELS	1030		
640	040	RELS	1510		
640	110	RELS	3010		
640	113g	RELS	4110	5110	<i>Same as 650:113g (PHIL 4110/5110)</i>
640	115g	RELS	4120	5120	
640	117g	RELS	4230	5230	<i>Same as 961:145g (HISUS 4250/5250)</i>
640	126	RELS	3020		
640	130	RELS	3210		
640	132	RELS	3220		
640	134	RELS	3230		
640	136	RELS	3240		
640	138	RELS	3310		<i>Same as 680:138 (HUM 3138)</i>
640	140	RELS	3320		
640	141	RELS	2010		
640	142	RELS	2020		
640	152g	RELS	4320	5320	<i>Same as 650:152g (PHIL 4320/5320)</i>
640	154g	RELS	4140	5140	
640	158g	RELS	4130	5130	
640	161	RELS	3103		<i>Same as 990:161 (ANTH 3103)</i>
640	162g	RELS	4150	5150	
640	165g	RELS	4160	5160	
640	168g	RELS	4170	5170	
640	171	RELS	2510		
640	173	RELS	3510		<i>Same as 650:173 (PHIL 3510) and CAP:173 (CAP 3173)</i>
640	174g	RELS	3540	5540	<i>Same as 150:174g (MGMT 3974/5974) and 650:174g (PHIL 3540/5540)</i>
640	175g	RELS	3520	5520	<i>Same as 650:175g (PHIL 3530/5530)</i>
640	186g	RELS	4186	5186	
640	189g	RELS	3080	5080	
640	194	RELS	3110		<i>Same as 650:194 (PHIL 3110) and CAP:194 (CAP 3194)</i>
640	197	RELS	3550		<i>Same as 650:197 (PHIL 3550)</i>
640	250	RELS	6010		<i>Same as 650:250 (PHIL 6010)</i>
650	021	PHIL	1020		
650	045	PHIL	1030		
650	050	PHIL	2010		
650	100	PHIL	3210		
650	101	PHIL	3220		
650	103	PHIL	3230		
650	104	PHIL	3240		
650	105g	PHIL	4310	5310	
650	113g	PHIL	4110	5110	<i>Same as 640:113g (RELS 4110/5110)</i>
650	119	PHIL	3130		
650	142	PHIL	2510		
650	143	PHIL	3120		
650	150g	PHIL	4010	5010	
650	151	PHIL	3010		<i>Same as CAP:151 (CAP 3151)</i>
650	152g	PHIL	4320	5320	<i>Same as 640:152g (RELS 4320/5320)</i>
650	153g	PHIL	3310	5310	
650	160g	PHIL	4330	5330	
650	164g	PHIL	4410	5410	
650	166g	PHIL	4420	5420	
650	172	PHIL	3320		

650	173	PHIL	3510		<i>Same as 640:173 (RELS 3510) and CAP:173 (CAP 3173)</i>
650	174g	PHIL	3540	5540	<i>Same as 150:174g (MGMT 3974/5974) and 640:174g (RELS 3540/5540)</i>
650	175g	PHIL	3530	5530	<i>Same as 640:175g (RELS 3520/5520)</i>
650	186g	PHIL	4186	5186	
650	189g	PHIL	3080	5080	
650	194	PHIL	3110		<i>Same as 640:194 (RELS 3110) and CAP:194 (CAP 3194)</i>
650	197	PHIL	3550		<i>Same as 640:197 (RELS 3550)</i>
650	245	PHIL	6510		
650	250	PHIL	6010		<i>Same as 640:250 (RELS 6010)</i>
680	010	HUM	1010		
680	021	HUM	1021		
680	022	HUM	1022		
680	023	HUM	1023		
680	040	WGS	1040		
680	102g	HUM	3102	5102	<i>Same as 48C:121g (COMM 4311/5311)</i>
680	110g	HUM	3110	5110	
680	121	HUM	3121		
680	122	HUM	3122		
680	123	HUM	3123		
680	124	HUM	3124		
680	125	HUM	3125		
680	127	HUM	3127		
680	128	HUM	3128		
680	130	HUM	3130		
680	131	HUM	3131		
680	132	HUM	3132		<i>Same as 990:132 (ANTH 2410)</i>
680	137	HUM	3137		<i>Same as 990:137 (ANTH 2411)</i>
680	138	HUM	3138		<i>Same as 640:138 (RELS 3310)</i>
680	151g	HUM	3151	5151	
680	160g	HUM	3160	5160	
680	169	HUM	3169		
680	188	HUM	3188		
680	189g	HUM	3189	5189	
680	192	HUM	4192		
680	198	HUM	4198		
680	289	WGS	6289		
680	290	WGS	6290		
700	099	LANG	2003		
700	190g	LANG	4090	5090	
700	193g	LANG	4093	5093	
700	198	LANG	4198		
700	290	LANG	6090		
700	295	LANG	6095		
710	001	CHIN	1001		
710	002	CHIN	1002		
710	011	CHIN	1011		
720	001	FREN	1001		
720	002	FREN	1002		
720	003	FREN	1011		
720	004	FREN	1012		
720	011	FREN	2001		
720	012	FREN	2011		
720	031	FREN	1120		
720	051	FREN	2002		
720	061	FREN	2012		
720	100	FREN	3000		
720	101g	FREN	3001	5001	
720	102	FREN	3002		
720	103g	FREN	3003	5003	
720	104	FREN	3004		
720	105g	FREN	4005	5005	
720	107g	FREN	4007	5007	
720	108g	FREN	4008	5008	
720	111g	FREN	3011	5011	

720	114g	FREN	4014	5014	
720	121g	FREN	4021	5021	
720	122g	FREN	4022	5022	
720	124g	FREN	4024	5024	
720	125g	FREN	4025	5025	
720	126g	FREN	4026	5026	
720	128g	FREN	4028	5028	
720	144g	FREN	4044	5044	
720	160g	FREN	4060	5060	
720	161g	FREN	4061	5061	
720	181g	FREN	4081	5081	
720	185g	FREN	3085	5085	
720	191	FREN	4091		
720	201	FREN	6001		
720	203	FREN	6003		
720	207	FREN	6007		
720	225	FREN	6025		
720	226	FREN	6026		
720	270	FREN	6070		
720	271	FREN	6071		
720	289	FREN	6289		
740	001	GER	1001		
740	002	GER	1002		
740	003	GER	1011		
740	004	GER	1012		
740	011	GER	2001		
740	012	GER	2011		
740	013	GER	2002		
740	014	GER	2012		
740	031	GER	1120		
740	100	GER	3000		
740	101g	GER	3001	5001	
740	102g	GER	3002	5002	
740	103g	GER	3003	5003	
740	104g	GER	3004	5004	
740	105g	GER	3005	5005	
740	111	GER	2051		
740	116g	GER	3016	5016	
740	121g	GER	4021	5021	
740	122g	GER	4022	5022	
740	123g	GER	4023	5023	
740	130	GER	4030		
740	132	GER	3032		
740	134	GER	3034		
740	136	GER	3036		
740	148	GER	3048		Same as CAP:148 (CAP 3148)
740	150g	GER	4050	5050	
740	160g	GER	4060	5060	
740	185g	GER	4085	5085	
740	191	GER	4091		
740	201	GER	6001		
740	225	GER	6025		
740	250	GER	6050		
740	289	GER	6289		
770	001	SLAV	1001		
770	002	SLAV	1002		
770	003	SLAV	1011		
770	004	SLAV	1012		
770	011	SLAV	2001		
770	012	SLAV	2002		
770	013	SLAV	2011		
770	014	SLAV	2012		
770	031	SLAV	1120		
770	091	SLAV	3091		

770	101g	SLAV	3101	5101	
770	102g	SLAV	3111	5111	
770	103g	SLAV	3102	5102	
770	104g	SLAV	3112	5112	
770	121g	SLAV	3121	5121	
770	122g	SLAV	3131	5131	
770	132g	SLAV	3132	5132	
770	134g	SLAV	3134	5134	
770	141g	SLAV	4141	5141	
770	142g	SLAV	4142	5142	
770	191	SLAV	4091		
770	196	SLAV	4196		
780	001	SPAN	1001		
780	002	SPAN	1002		
780	011	SPAN	2001		
780	053	SPAN	2053		
780	055	SPAN	2002		
780	100	SPAN	3000		
780	101	SPAN	3001		
780	102g	SPAN	3002	5002	
780	103	SPAN	3003		
780	104	SPAN	3004		
780	105	SPAN	3005		
780	107	SPAN	3007		
780	108g	SPAN	3008	5008	
780	112	SPAN	3012		
780	118	SPAN	3018		
780	120	SPAN	3020		
780	123	SPAN	3023		
780	127	SPAN	3027		
780	131	SPAN	3031		
780	135	SPAN	3035		
780	141g	SPAN	4041	5041	
780	143g	SPAN	4043	5043	
780	145g	SPAN	4045	5045	
780	146g	SPAN	4046	5046	
780	147g	SPAN	4047	5047	
780	150g	SPAN	3050	5050	
780	151g	SPAN	3051	5051	
780	152g	SPAN	3052	5052	
780	162g	SPAN	4062	5062	
780	163g	SPAN	4063	5063	
780	164g	SPAN	4064	5064	
780	166g	SPAN	4066	5066	
780	184g	SPAN	3084	5084	
780	191	SPAN	4091		
780	201	SPAN	6001		
780	221	SPAN	6021		
780	231	SPAN	6031		
780	235	SPAN	6035		
780	240	SPAN	6040		
780	241	SPAN	6041		
780	245	SPAN	6045		
780	252	SPAN	6052		
780	260	SPAN	6060		
780	261	SPAN	6061		
780	262	SPAN	6062		
780	284	SPAN	6084		
780	289	SPAN	6289		
790	001	PORT	1001		
790	002	PORT	1002		
790	010	PORT	1010		
790	020	PORT	1020		
790	031	PORT	1031		

790	060	PORT	1060		
790	101g	PORT	3101	5101	
790	109	PORT	3109		
790	123g	PORT	3123	5123	
790	180g	PORT	3180	5180	
790	191	PORT	3191		
800	004	MATH	0100		
800	023	MATH	1100		
800	031	MATH	1201		
800	037	MATH	1210		
800	043	MATH	1110		
800	044	MATH	1130		
800	046	MATH	1140		
800	048	MATH	1150		
800	056	MATH	1120		
800	060	MATH	1420		
800	061	MATH	1421		
800	062	MATH	2422		
800	064	STAT	1774		
800	072	STAT	1772		
800	076	MATH	2500		
800	090	MATH	1900		
800	095	MATH	1300		
800	096	MATH	1310		
800	111g	MATH	3211	5211	
800	112g	MATH	3212	5212	
800	113g	MATH	3213	5213	
800	114g	MATH	3214	5214	
800	121g	STAT	3771	5771	
800	122g	STAT	4772	5772	
800	123g	STAT	4773	5773	
800	125g	MATH	4742	5742	
800	131	MATH	3202		
800	134	MATH	3203		
800	140g	MATH	4420	5420	
800	141g	MATH	4421	5421	
800	142g	MATH	3410	5410	
800	143g	MATH	3530	5530	
800	144g	MATH	4510	5510	
800	145g	ACT SCI	3780	5780	<i>Same as 800:145g (MATH 3780/5780)</i>
800	145g	MATH	3780	5780	<i>Same as 800:145g (ACT SCI 3780/5780)</i>
800	146	ACT SCI	3731		
800	149g	MATH	3425	5425	
800	150g	MATH	3430	5430	
800	152g	MATH	3752	5752	<i>Same as 800:152g (STAT 3752/5752)</i>
800	152g	STAT	3752	5752	<i>Same as 800:152g (MATH 3752/5752)</i>
800	153g	ACT SCI	4735	5735	
800	154g	MATH	4754	5754	<i>Same as 800:154g (STAT 4754/5754)</i>
800	154g	STAT	4754	5754	<i>Same as 800:154g (MATH 4754/5754)</i>
800	155g	MATH	3630	5630	
800	156g	MATH	4460	5460	
800	157g	STAT	4777	5777	
800	158g	ACT SCI	4739	5739	
800	160g	MATH	4500	5500	
800	162g	MATH	4501	5501	
800	165g	MATH	3610	5610	
800	166g	MATH	3600	5600	
800	167g	MATH	4641	5641	
800	170g	ACT SCI	4788	5788	
800	171g	STAT	3778	5778	<i>Same as 970:160g (GEOG 4340/5340)</i>
800	172g	STAT	3770	5770	
800	173	MATH	3751		<i>Same as 800:173 (STAT 3751)</i>
800	173	STAT	3751		<i>Same as 800:173 (MATH 3751)</i>
800	174g	STAT	3775	5775	

800	175g	STAT	3776	5776	
800	176g	MATH	3440	5440	
800	180g	MATH	3640	5640	
800	183	MATH	3305		
800	188	MATH	3303		
800	189g	MATH	4615	5615	
800	190	MATH	3304		
800	191g	MATH	3205	5205	
800	192	MATH	3215		
800	194	MATH	4900		
800	195	MATH	4990		
800	196g	STAT	4779	5779	
800	197g	ACT SCI	4785	5785	
800	198	MATH	4198		
800	201	MATH	6420		
800	202	MATH	6421		
800	203	MATH	6460		
800	204	MATH	6461		
800	210	MATH	6510		
800	211	MATH	6212		
800	213	MATH	6213		
800	214	MATH	6214		
800	215	MATH	6205		
800	220	MATH	6201		
800	221	MATH	6207		
800	222	MATH	6203		
800	236	MATH	6224		
800	237	MATH	6210		
800	238	MATH	6226		
800	240	MATH	6500		
800	241	MATH	6501		
800	243	MATH	6530		
800	246	MATH	6640		
800	250	MATH	6745		
800	251	MATH	6746		<i>Same as 800:251 (STAT 6746)</i>
800	251	STAT	6746		<i>Same as 800:251 (MATH 6746)</i>
800	252	MATH	6747		<i>Same as 800:252 (STAT 6747)</i>
800	252	STAT	6747		<i>Same as 800:252 (MATH 6747)</i>
800	253	MATH	6748		<i>Same as 800:253 (STAT 6748)</i>
800	253	STAT	6748		<i>Same as 800:253 (MATH 6748)</i>
800	263	MATH	6650		
800	267	MATH	6670		
800	270	MATH	6370		
800	271	MATH	6371		
800	272	STAT	6772		
800	273	MATH	6779		<i>Same as 800:273 (STAT 6779)</i>
800	273	STAT	6779		<i>Same as 800:273 (MATH 6779)</i>
800	275	MATH	6795		
800	280	MATH	6380		
800	281	MATH	6381		
800	291	MATH	6391		
800	293	MATH	6393		
800	299	MATH	6299		
810	017	CS	1100		
810	020	CS	1050		
810	021	CS	1000		
810	022	CS	1010		
810	023	CS	1020		
810	024	CS	1071		
810	025	CS	1025		
810	030	CS	1130		
810	036	CS	1160		
810	041	CS	1410		
810	051	CS	1510		

810	052	CS	1520		
810	053	CS	2530		
810	056	CS	1120		
810	071	CS	1072		
810	080	CS	1800		
810	088	CS	2880		
810	112g	CS	3120	5120	
810	114g	CS	3140	5140	
810	115g	CS	3150	5150	
810	134	CS	2134		
810	140g	CS	4400	5400	
810	141g	CS	4410	5410	
810	142	CS	2420		
810	143g	CS	3430	5430	
810	147g	CS	3470	5470	
810	151	CS	3510		
810	153	CS	3530		
810	154	CS	3540		
810	155g	CS	4550	5550	
810	161g	CS	3610	5610	
810	162g	CS	4620	5620	
810	165	CS	2650		
810	166g	CS	3650	5650	
810	172	CS	2720		
810	173g	CS	3730	5730	
810	174g	CS	4740	5740	
810	175g	CS	3750	5750	
810	179	CS	3179		
810	180	CS	4800		
810	181g	CS	3810	5810	
810	188g	CS	4880	5880	
810	214	CS	6140		
810	240	CS	6400		
810	270	CS	6500		
810	280	CS	6800		
820	031	SCI ED	1300		
820	032	SCI ED	1200		
820	033	SCI ED	1100		
820	095	SCI ED	1600		
820	113g	SCI ED	3500	5500	
820	130g	SCI ED	3100	5100	
820	181	SCI ED	2300		
820	189	SCI ED	3250		
820	190g	SCI ED	3300	5300	
820	193g	SCI ED	4700	5700	
820	196	SCI ED	3200		
820	198	SCI ED	4198		
820	200	SCI ED	6700		
820	209	PSM	6100		
820	213	SCI ED	6800		
820	215	PSM	6300		
820	270	SCI ED	6400		
820	289	PSM	6289		
820	290	SCI ED	6900		
820	294	SCI ED	6600		
820	295	PSM	6950		
820	299	SCI ED	6299		
830	165g	ENV SCI	4665	5665	Same as 410:165g (HPE 4665/5665)
830	166g	ENV SCI	4666	5666	Same as 410:166g (HPE 4666/5666)
830	195	ENV SCI	4195		
830	200	ENV SCI	6200		
830	235	ENV SCI	6235		
830	250	ENV SCI	6250		
830	285	ENV SCI	6285		

830	289	ENV SCI	6289		
830	299	ENV SCI	6299		
840	012	BIOL	1012		
840	013	BIOL	1013		
840	014	BIOL	1014		
840	015	BIOL	1015		
840	033	BIOL	1033		
840	051	BIOL	2051		
840	052	BIOL	2052		
840	060	BIOL	1060		
840	084	BIOL	3084		
840	089	BIOL	1089		
840	100	BIOL	3100		
840	101	BIOL	3101		
840	102	BIOL	3102		
840	103	BIOL	3103		
840	105g	BIOL	4105	5105	
840	106	BIOL	3106		
840	108	BIOL	3108		
840	110	BIOL	3110		<i>Same as CAP:110 (CAP 3110)</i>
840	112	BIOL	3112		
840	114g	BIOL	4114	5114	
840	115g	BIOL	4115	5115	
840	116g	BIOL	4116	5116	
840	119	BIOL	3119		
840	120	BIOL	3120		
840	121g	BIOL	4121	5121	
840	122g	BIOL	4122	5122	
840	127g	BIOL	4127	5127	
840	128g	BIOL	4128	5128	
840	129g	BIOL	4129	5129	
840	131g	BIOL	4131	5131	
840	137g	BIOL	4138	5138	
840	138g	BIOL	4137	5137	
840	140	BIOL	3140		
840	142g	BIOL	4142	5142	
840	143g	BIOL	4143	5143	
840	144g	BIOL	4144	5144	
840	146g	BIOL	4146	5146	
840	147	BIOL	3147		
840	150g	BIOL	4150	5150	
840	151	BIOL	3151		
840	152	BIOL	3152		
840	153g	BIOL	4153	5153	
840	154g	BIOL	4154	5154	
840	155g	BIOL	4155	5155	
840	157g	BIOL	4157	5157	
840	160	BIOL	3160		
840	164g	BIOL	4164	5164	
840	166g	BIOL	4166	5166	
840	167g	BIOL	4167	5167	
840	168g	BIOL	4168	5168	
840	170	BIOL	3170		
840	172g	BIOL	4172	5172	
840	174	BIOL	3174		
840	178g	BIOL	4178	5178	
840	179	BIOL	3179		
840	180g	BIOL	4180	5180	
840	181	BIOL	3181		
840	184g	BIOL	4184	5184	
840	185	BIOL	3185		
840	189	BIOL	3189		
840	190	BIOL	3190		
840	191	BIOL	3191		

840	193g	BIOL	4193	5193	
840	195	BIOL	3195		
840	196	BIOL	3196		
840	197	BIOL	3197		
840	198	BIOL	4198		
840	202	BIOL	6202		
840	230	BIOL	6230		
840	240	BIOL	6240		
840	250	BIOL	6250		
840	260	BIOL	6260		
840	270	BIOL	6270		
840	280	BIOL	6280		
840	289	BIOL	6289		
840	292	BIOL	6292		
840	297	BIOL	6297		
840	29R	BIOL	629R		
840	299	BIOL	6299		
860	010	CHEM	1010		
860	011	CHEM	1011		
860	020	CHEM	1020		
860	030	CHEM	1610		
860	044	CHEM	1110		
860	048	CHEM	1120		
860	061	CHEM	1030		
860	063	CHEM	1040		
860	070	CHEM	1130		
860	110	CHEM	2110		
860	120	CHEM	2210		
860	121	CHEM	2230		
860	123	CHEM	2220		
860	132	CHEM	2310		
860	137g	CHEM	4310	5310	
860	140g	CHEM	4420	5420	
860	141g	CHEM	4430	5430	
860	142g	CHEM	4410	5410	
860	143g	CHEM	4440	5440	
860	144g	CHEM	4200	5200	<i>Same as 880:144g (PHYSICS 4200/5200)</i>
860	145g	CHEM	4110	5110	
860	148g	CHEM	4210	5210	<i>Same as 880:148g (PHYSICS 4210/5210)</i>
860	149g	CHEM	4610	5610	
860	154g	BIOCHEM	4510	5510	
860	155g	BIOCHEM	4520	5520	
860	156g	BIOCHEM	4530	5530	
860	161g	CHEM	4220	5220	
860	180	CHEM	3600		
860	210	CHEM	6110		
860	211	CHEM	6610		
860	220	CHEM	6210		
860	240	CHEM	6620		
860	241	CHEM	6410		
860	242	CHEM	6310		
860	254	BIOCHEM	6510		
860	289	CHEM	6289		
860	29R	CHEM	629R		
860	292	CHEM	6630		
860	299	CHEM	6299		
870	010	EARTHSCI	1100		
870	011	EARTHSCI	1110		
870	021	EARTHSCI	1200		
870	022	EARTHSCI	1210		
870	031	EARTHSCI	1300		
870	035	EARTHSCI	1320		
870	037	EARTHSCI	1410		
870	109g	EARTHSCI	3100	5100	

870	111g	EARTHSCI	3200	5200	
870	113g	EARTHSCI	3400	5400	
870	115g	EARTHSCI	3305	5305	
870	117	EARTHSCI	2315		
870	121g	EARTHSCI	3210	5210	
870	122g	EARTHSCI	3220	5220	
870	123g	EARTHSCI	3230	5230	
870	124g	EARTHSCI	3240	5240	
870	125	EARTHSCI	2320		
870	128g	EARTHSCI	3300	5300	
870	129g	EARTHSCI	3310	5310	
870	130	EARTHSCI	2300		
870	131	EARTHSCI	2305		
870	135	EARTHSCI	3320		
870	136g	EARTHSCI	3325	5325	
870	137g	EARTHSCI	3410	5410	
870	141g	EARTHSCI	3330	5330	
870	142g	EARTHSCI	3335	5335	
870	151	EARTHSCI	2120		
870	152	EARTHSCI	2130		
870	153	EARTHSCI	2140		
870	154g	EARTHSCI	3110	5110	
870	165g	EARTHSCI	3340	5340	
870	171g	EARTHSCI	3345	5345	
870	173g	EARTHSCI	3350	5350	
870	175g	EARTHSCI	3355	5355	
870	177g	EARTHSCI	3250	5250	
870	180	EARTHSCI	4400		
870	181	EARTHSCI	2500		
870	189g	EARTHSCI	3420	5420	
870	195	EARTHSCI	3430		
870	292	EARTHSCI	6400		
870	297	EARTHSCI	6297		
870	299	EARTHSCI	6299		
880	011	PHYSICS	1400		
880	012	PHYSICS	1000		
880	054	PHYSICS	1511		
880	056	PHYSICS	1512		
880	080	PHYSICS	1800		
880	130	PHYSICS	1701		
880	131	PHYSICS	1702		
880	132	PHYSICS	2300		
880	136g	PHYSICS	4900	5900	
880	137g	PHYSICS	4100	5100	
880	138g	PHYSICS	4110	5110	
880	140g	PHYSICS	4050	5050	
880	144g	PHYSICS	4200	5200	Same as 860:144g (CHEM 4200/5200)
880	148g	PHYSICS	4210	5210	Same as 860:148g (CHEM 4210/5210)
880	150g	PHYSICS	4860	5860	
880	152g	PHYSICS	4300	5300	
880	154g	PHYSICS	4310	5310	
880	157g	PHYSICS	4000	5000	
880	166g	PHYSICS	4600	5600	
880	167g	PHYSICS	4700	5700	
880	172g	PHYSICS	4800	5800	
880	174g	PHYSICS	4750	5750	
880	179	PHYSICS	3179		
880	180	PHYSICS	3000		
880	184	PHYSICS	3500		
880	185g	PHYSICS	4450	5450	
880	187	PHYSICS	3700		
880	189g	PHYSICS	4950	5950	
880	205	PHYSICS	6100		
880	220	PHYSICS	6300		

880	250	PHYSICS	6500		
880	299	PHYSICS	6299		
890	010	IA LL	2010		
890	019	IA LL	2019		
890	030	IA LL	2030		
890	040	IA LL	2040		
890	043	IA LL	2043		
890	044	IA LL	2044		
890	050	IA LL	2045		
890	064	IA LL	2046		
890	100g	IA LL	3100	5100	
890	102g	IA LL	3102	5102	
890	103g	IA LL	3103	5103	
890	105g	IA LL	3105	5105	
890	109g	IA LL	3109	5109	
890	111g	IA LL	3111	5111	
890	119g	IA LL	3119	5119	
890	121g	IA LL	3121	5121	
890	122g	IA LL	3122	5122	
890	124g	IA LL	3124	5124	
890	126g	IA LL	3126	5126	
890	127g	IA LL	3127	5127	
890	128g	IA LL	3128	5128	
890	129g	IA LL	3129	5129	
890	132	IA LL	3132		
890	134g	IA LL	3134	5134	
890	135g	IA LL	3135	5135	
890	140g	IA LL	3140	5140	
890	142g	IA LL	3142	5142	
890	144g	IA LL	3144	5144	
890	155g	IA LL	3155	5155	
890	156g	IA LL	4156	5156	
890	160g	IA LL	3160	5160	
890	161g	IA LL	3161	5161	
890	163	IA LL	3163		
890	165g	IA LL	3165	5165	
890	166g	IA LL	3166	5166	
890	175g	IA LL	3175	5175	
890	178g	IA LL	4178	5178	
890	193	IA LL	4193		
890	198	IA LL	4198		
890	210	IA LL	6210		
890	215	IA LL	6215		
890	217	IA LL	6217		
890	225	IA LL	6225		
890	240	IA LL	6240		
890	286	IA LL	6286		
890	291	IA LL	6291		
890	299	IA LL	6299		
900	020	SOC SCI	1020		
900	023	SOC SCI	1023		
900	041	SOC SCI	1041		Same as 450:041 (SW 1041)
900	045	SOC SCI	1045		Same as 450:045 (SW 2045) and 980:045 (SOC 1045)
900	150	WGS	4150		
900	190	SOC SCI	4190		
900	191	SOC SCI	4191		
900	195	WGS	3195		
900	199g	SOC SCI	4199	5199	
900	297	SOC SCI	6297		
900	299	SOC SCI	6299		
920	020	ECON	1021		
920	024	ECON	1031		
920	053	ECON	1041		
920	054	ECON	1051		

920	070	ECON	1011		
920	103	ECON	2122		
920	104	ECON	2112		
920	113	ECON	2132		
920	116g	ECON	3217	5217	
920	117g	ECON	3221	5221	
920	123g	ECON	3225	5225	
920	125g	ECON	3229	5229	
920	128g	ECON	3231	5231	
920	131g	ECON	3237	5237	
920	135g	ECON	3241	5241	
920	136g	ECON	3245	5245	
920	143g	ECON	3249	5249	
920	148g	ECON	3253	5253	
920	160g	ECON	3425	5425	
920	168g	ECON	3269	5269	
920	169g	ECON	3373	5373	
920	170g	ECON	3257	5257	
920	175g	ECON	3261	5261	
920	177	ECON	3077		
920	179	ECON	3179		
920	181g	ECON	4380	5380	
920	260	ECON	6520		
920	285	ECON	6285		
920	299	ECON	6299		
940	010	POL GEN	2010		
940	020	POL GEN	1020		
940	111	POL GEN	3111		
940	181	POL GEN	3181		
940	184	POL GEN	3184		
940	188	POL GEN	3188		
940	189g	POL GEN	4189	5189	
940	198	POL GEN	4198		
940	285	POL GEN	6285		
940	299	POL GEN	6299		
941	050	POL THRY	1050		
941	122	POL THRY	3122		
941	129	POL THRY	3129		
941	160	POL THRY	3160		
941	161	POL THRY	3161		
942	014	POL AMER	1014		
942	048	POL AMER	1048		
942	112	POL AMER	3112		
942	130	POL AMER	3130		
942	131	POL AMER	2131		
942	132	POL AMER	3132		
942	134	POL AMER	3134		
942	141	POL AMER	3141		
942	142g	POL AMER	4142	5142	
942	143g	POL AMER	4143	5143	
942	144	POL AMER	3144		
942	146	POL AMER	3146		
942	147	POL AMER	3147		
942	150	POL AMER	3150		
942	151	POL AMER	3151		
942	153g	POL AMER	4153	5153	
942	166	POL AMER	3166		
942	172	POL AMER	3172		
942	173g	POL AMER	4173	5173	
942	174	POL AMER	3174		
942	176g	POL AMER	4176	5176	
942	177g	POL AMER	4177	5177	
942	188g	POL AMER	4188	5188	
943	024	POL INTL	1024		

943	119g	POL INTL	4119	5119	
943	120	POL INTL	3120		
943	125g	POL INTL	4125	5125	
943	126	POL INTL	3126		
943	127	POL INTL	3127		
943	129	POL INTL	3129		
943	143	POL INTL	3143		
943	145	POL INTL	3145		
944	040	POL COMP	1040		
944	121	POL COMP	3121		
944	123	POL COMP	3123		
944	125	POL COMP	3125		
944	135	POL COMP	3135		
944	162	POL COMP	3162		
944	164	POL COMP	3164		
944	165	POL COMP	3165		
944	167	POL COMP	3167		
950	205	PUB POL	6205		
950	208	PUB POL	6208		
950	220	PUB POL	6220		
950	260	PUB POL	6260		
950	275	PUB POL	6275		
950	281	PUB POL	6281		
950	285	PUB POL	6285		
960	010	HIST	1010		
960	011	HIST	1011		
960	106g	HIST	4010	5010	
960	125g	HIST	4020	5020	Same as 990:125g (ANTH 3440/5440)
960	132g	HIST	4030	5030	
960	189	HIST	3010		
960	192	HIST	3000		
960	198	HIST	4198		
960	225	HIST	6020		
960	280	HIST	6030		
960	285	HIST	6285		
960	289	HIST	6289		
960	290	HIST	6050		
960	297	HIST	6297		
960	299	HIST	6299		
961	014	HISUS	1110		
961	015	HISUS	1120		
961	102g	HISUS	4230	5230	
961	116g	HISUS	4180	5180	
961	120g	HISUS	4235	5235	
961	122g	HISUS	4245	5245	
961	124g	HISUS	4255	5255	
961	130g	HISUS	4200	5200	
961	131g	HISUS	4160	5160	
961	135g	HISUS	4270	5270	
961	136g	HISUS	4110	5110	
961	137g	HISUS	4130	5130	
961	139g	HISUS	4140	5140	
961	140g	HISUS	4220	5220	
961	141g	HISUS	4210	5210	
961	142g	HISUS	4275	5275	
961	143g	HISUS	4280	5280	
961	144g	HISUS	4240	5240	
961	145g	HISUS	4250	5250	Same as 640:117g (RELS 4230/5230)
961	146g	HISUS	4260	5260	
961	147g	HISUS	4150	5150	
961	150g	HISUS	4265	5265	
962	101g	HISEUA	4310	5310	
962	103g	HISEUA	4320	5320	
962	123g	HISEUA	4330	5330	

962	126g	HISEUA	4420	5420	
962	151g	HISEUA	4480	5480	
962	152g	HISEUA	4340	5340	
962	153g	HISEUA	4350	5350	
962	158g	HISEUA	4360	5360	
962	164g	HISEUA	4440	5440	
962	171g	HISEUA	4460	5460	
963	153g	HISEUB	4640	5640	
963	154g	HISEUB	4680	5680	
963	155g	HISEUB	4510	5510	
963	157g	HISEUB	4675	5675	
963	160g	HISEUB	4520	5520	
963	161g	HISEUB	4690	5690	
963	165g	HISEUB	4610	5610	
963	169g	HISEUB	4660	5660	
963	170g	HISEUB	4670	5670	
963	172g	HISEUB	4630	5630	
963	174g	HISEUB	4620	5620	
963	188g	HISEUB	4650	5650	
964	127g	HISNW	4870	5870	
964	128g	HISNW	4880	5880	
964	174g	HISNW	4730	5730	
964	175g	HISNW	4740	5740	
964	176g	HISNW	4710	5710	
964	178g	HISNW	4820	5820	
964	180g	HISNW	4720	5720	
964	181g	HISNW	4830	5830	
964	182g	HISNW	4840	5840	
964	183g	HISNW	4850	5850	
964	187g	HISNW	4860	5860	
970	010	GEOG	1120		
970	026	GEOG	1210		
970	028	GEOG	2210		
970	040	GEOG	1110		
970	061	GEOG	1310		
970	100	GEOG	2220		
970	101	GEOG	2110		
970	104	GEOG	2120		
970	111g	GEOG	4110	5110	
970	114g	GEOG	4130	5130	
970	116g	GEOG	4140	5140	
970	117g	GEOG	4190	5190	
970	119g	GEOG	4120	5120	
970	121g	GEOG	4180	5180	
970	126g	GEOG	4220	5220	
970	127g	GEOG	4210	5210	
970	129g	GEOG	4230	5230	
970	137	GEOG	3210		
970	141g	GEOG	4150	5150	
970	144	GEOG	2230		
970	151g	GEOG	4160	5160	
970	155g	GEOG	4240	5240	
970	160g	GEOG	4340	5340	Same as 800:171g (STAT 3778/5778)
970	163g	GEOG	4330	5330	
970	164	GEOG	2310		
970	165g	GEOG	4360	5360	
970	168g	GEOG	4170	5170	
970	170g	GEOG	4310	5310	
970	171g	GEOG	4520	5520	
970	173g	GEOG	4370	5370	
970	174g	GEOG	4320	5320	
970	175g	GEOG	4350	5350	
970	179	GEOG	3179		
970	180	GEOG	4550		

970	181	GEOG	4560		
970	185g	GEOG	4250	5250	
970	186	GEOG	3186		
970	189	GEOG	3580		
970	193	GEOG	3598		
970	202	GEOG	6000		
970	280	GEOG	6550		
970	285	GEOG	6285		
970	286	GEOG	6286		
970	294	GEOG	6010		
970	298	GEOG	6598		
970	299	GEOG	6299		
980	001	SOC	1000		
980	045	SOC	1045		<i>Same as 450:045 (SW 2045) and 900:045 (SOC SCI 1045)</i>
980	060	SOC	1060		
980	080	SOC	2020		
980	100g	SOC	3075	5075	
980	101	SOC	4050		
980	102	SOC	2090		<i>Same as 450:102 (SW 3102) and 990:102 (ANTH 2090)</i>
980	105g	SOC	3030	5030	
980	108	SOC	2010		
980	118g	SOC	3065	5065	
980	120g	SOC	3080	5080	<i>Same as 990:120g (ANTH 3080/5080)</i>
980	125g	SOC	3035	5035	
980	129g	SOC	3050	5050	
980	135g	SOC	3045	5045	
980	138g	SOC	3060	5060	
980	145g	SOC	3120	5120	
980	156g	SOC	3040	5040	
980	160g	SOC	4025	5025	
980	167g	SOC	3411	5411	<i>Same as 400:167g (PSYCH 4608/5608) and 990:167g (ANTH 3411/5411)</i>
980	168g	SOC	3102	5102	<i>Same as 990:168g (ANTH 3102/5102)</i>
980	170g	SOC	3070	5070	
980	171g	SOC	4071	5071	
980	172g	SOC	3085	5085	
980	177	SOC	3001		<i>Same as 400:177 (PSYCH 3602) and 990:177 (ANTH 3001)</i>
980	178g	SOC	4015	5015	<i>Same as 990:178g (ANTH 4015/5015)</i>
980	179	SOC	3179		
980	180g	SOC	3170	5170	
980	184g	SOC	3100	5100	
980	189g	SOC	3130	5130	
980	198	SOC	4198		
980	200	SOC	6070		
980	201	SOC	6020		
980	211	SOC	6000		
980	212	SOC	6005		
980	260	SOC	6026		
980	278	SOC	6035		
980	280	SOC	6170		
980	285	SOC	6285		
980	297	SOC	6297		
980	299	SOC	6299		
982	022	CRIM	2022		
982	025	CRIM	2025		
982	110g	CRIM	3110	5110	
982	111g	CRIM	4344	5344	
982	112	CRIM	2112		
982	113	CRIM	4314		
982	116g	CRIM	4216	5216	
982	117	CRIM	2217		
982	119g	CRIM	3319	5319	
982	122g	CRIM	4122	5122	
982	123g	CRIM	4323	5323	
982	124g	CRIM	4224	5224	

982	126g	CRIM	3226	5226	
982	127	CRIM	2127		
982	128g	CRIM	4228	5228	
982	131g	CRIM	4331	5331	
982	132	CRIM	3232		
982	137g	CRIM	4137	5137	
982	151	CRIM	3151		
982	152	CRIM	2152		
982	153g	CRIM	4253	5253	
982	162g	CRIM	4262	5262	<i>Same as 990:162g (ANTH 3441/5441)</i>
982	169g	CRIM	4369	5369	
982	175	CRIM	4575		
982	179	CRIM	3179		
982	181g	CRIM	4381	5381	
982	185	CRIM	4485		
982	198	CRIM	4198		
982	240	CRIM	6250		
982	250	CRIM	6251		
982	251	CRIM	6252		
982	253	CRIM	6253		
982	280	CRIM	6260		
982	285	CRIM	6285		
982	299	CRIM	6299		
990	010	ANTH	1001		
990	011	ANTH	1002		
990	102	ANTH	2090		<i>Same as 450:102 (SW 3102) and 980:102 (SOC 2090)</i>
990	120g	ANTH	3080	5080	<i>Same as 980:120g (SOC 3080/5080)</i>
990	125g	ANTH	3440	5440	<i>Same as 960:125g (HIST 4020/5020)</i>
990	132	ANTH	2410		<i>Same as 680:132 (HUM 3132)</i>
990	137	ANTH	2411		<i>Same as 680:137 (HUM 3137)</i>
990	141	ANTH	3301		
990	142	ANTH	3302		
990	143	ANTH	3303		
990	144	ANTH	3430		
990	145	ANTH	3501		
990	148g	ANTH	3410	5410	
990	151	ANTH	3201		
990	152g	ANTH	3202	5202	
990	153	ANTH	2420		
990	155	ANTH	3420		
990	157g	ANTH	3412	5412	
990	161	ANTH	3103		<i>Same as 640:161 (RELS 3103)</i>
990	162g	ANTH	3441	5441	<i>Same as 982:162g (CRIM 4262/5262)</i>
990	164g	ANTH	3101	5101	<i>Same as 400:164g (PSYCH 4607/5607)</i>
990	167g	ANTH	3411	5411	<i>Same as 400:167g (PSYCH 4608/5608) and 980:167g (SOC 3411/5411)</i>
990	168g	ANTH	3102	5102	<i>Same as 980:168g (SOC 3102/5102)</i>
990	171g	ANTH	3431	5431	
990	172	ANTH	1430		
990	176g	ANTH	4001	5001	
990	177	ANTH	3001		<i>Same as 400:177 (PSYCH 3602) and 980:177 (SOC 3001)</i>
990	178g	ANTH	4015	5015	<i>Same as 980:178g (SOC 4015/5015)</i>
990	180g	ANTH	4016	5016	
990	184	ANTH	3502		
990	189g	ANTH	3503	5503	
990	198	ANTH	4198		

COURSES AND COURSE DESCRIPTIONS PRINTED IN 2010-2012 CATALOG
(Sorted by Fall 2011 Alpha Subject Area Prefix)

2010 Dept Prefix	2010 Course #	Fall 2011 Subject Area Prefix	Fall 2011 Course #	Fall 2011 5000- level <i>shadow</i> number for 100g graduate registration	<i>Crosslisted/"Same as" Courses</i>
120	030	ACCT	2120		
120	031	ACCT	2130		
120	144	ACCT	3055		
120	169	ACCT	3090		
120	170g	ACCT	3092	5092	
120	185	ACCT	3094		
120	129	ACCT	3120		
120	130	ACCT	3122		
120	131	ACCT	3130		
120	136	ACCT	3140		
120	179	ACCT	3179		
120	135g	ACCT	4025	5025	
120	141g	ACCT	4032	5032	
120	142	ACCT	4052		
120	145g	ACCT	4065	5065	
120	139g	ACCT	4070	5070	
120	148	ACCT	4080		
120	149	ACCT	4082		
120	150	ACCT	4084		
120	132	ACCT	4150		
120	134	ACCT	4160		
120	262	ACCT	6030		
120	263	ACCT	6032		
120	242	ACCT	6052		
120	240	ACCT	6060		
120	269	ACCT	6090		
120	280	ACCT	6092		
120	229	ACCT	6120		
120	236	ACCT	6140		
120	201	ACCT	6170		
120	214	ACCT	6175		
120	285	ACCT	6285		
120	289	ACCT	6289		
120	299	ACCT	6299		
800	146	ACT SCI	3731		
800	145g	ACT SCI	3780	5780	<i>Same as 800:145g (MATH 3780/5780)</i>
800	153g	ACT SCI	4735	5735	
800	158g	ACT SCI	4739	5739	
800	197g	ACT SCI	4785	5785	
800	170g	ACT SCI	4788	5788	
990	010	ANTH	1001		
990	011	ANTH	1002		
990	172	ANTH	1430		
990	102	ANTH	2090		<i>Same as 450:102 (SW 3102) and 980:102 (SOC 2090)</i>
990	132	ANTH	2410		<i>Same as 680:132 (HUM 3132)</i>
990	137	ANTH	2411		<i>Same as 680:137 (HUM 3137)</i>
990	153	ANTH	2420		
990	177	ANTH	3001		<i>Same as 400:177 (PSYCH 3602) and 980:177 (SOC 3001)</i>
990	120g	ANTH	3080	5080	<i>Same as 980:120g (SOC 3080/5080)</i>
990	164g	ANTH	3101	5101	<i>Same as 400:164g (PSYCH 4607/5607)</i>
990	168g	ANTH	3102	5102	<i>Same as 980:168g (SOC 3102/5102)</i>
990	161	ANTH	3103		<i>Same as 640:161 (RELS 3103)</i>
990	151	ANTH	3201		
990	152g	ANTH	3202	5202	
990	141	ANTH	3301		
990	142	ANTH	3302		

990	143	ANTH	3303		
990	148g	ANTH	3410	5410	
990	167g	ANTH	3411	5411	<i>Same as 400:167g (PSYCH 4608/5608) and 980:167g (SOC 3411/5411)</i>
990	157g	ANTH	3412	5412	
990	155	ANTH	3420		
990	144	ANTH	3430		
990	171g	ANTH	3431	5431	
990	125g	ANTH	3440	5440	<i>Same as 960:125g (HIST 4020/5020)</i>
990	162g	ANTH	3441	5441	<i>Same as 982:162g (CRIM 4262/5262)</i>
990	145	ANTH	3501		
990	184	ANTH	3502		
990	189g	ANTH	3503	5503	
990	176g	ANTH	4001	5001	
990	178g	ANTH	4015	5015	<i>Same as 980:178g (SOC 4015/5015)</i>
990	180g	ANTH	4016	5016	
990	198	ANTH	4198		
600	002	ART	1002		
600	018	ART	1011		
600	019	ART	1022		
600	026	ART	1222		
600	027	ART	1333		
600	050	ART	2020		
600	025	ART	2030		
600	074	ART	2040		
600	080	ART	2050		
600	060	ART	2060		
600	032	ART	2070		
600	033	ART	2081		
600	034	ART	2082		
600	035	ART	2083		
600	036	ART	2084		
600	037	ART	2090		
600	118	ART	3001		
600	111	ART	3011		
600	161	ART	3020		
600	172	ART	3022		
600	171g	ART	3023	5023	
600	125	ART	3030		
600	126	ART	3031		
600	128	ART	3032		
600	129	ART	3033		
600	127	ART	3034		
600	182	ART	3035		
600	181	ART	3036		
600	183	ART	3037		
600	184	ART	3038		
600	124	ART	3040		
600	170	ART	3044		
600	162	ART	3050		
600	180	ART	3055		
600	163	ART	3060		
600	173g	ART	3066	5066	
600	130	ART	3070		
600	131	ART	3077		
600	132	ART	3078		
600	134	ART	3080		
600	136	ART	3082		
600	174	ART	3088		
600	137	ART	3090		
600	177	ART	3099		
600	175	ART	4000		
600	194g	ART	4010	5010	
600	196	ART	4111		
600	198	ART	4198		

600	197	ART	4222		
600	192g	ART	4300	5300	
600	189	ART	4400		
600	297	ART	6297		
600	299	ART	6299		
600	090	ARTED	1500		
600	091	ARTED	2500		
600	092	ARTED	3500		
600	119	ARTED	3505		
600	121	ARTED	4500		
600	295	ARTED	6500		
600	004	ARTHIST	1004		
600	040	ARTHIST	1111		
600	041	ARTHIST	1222		
600	138g	ARTHIST	4000	5000	
600	139g	ARTHIST	4002	5002	
600	140g	ARTHIST	4010	5010	
600	141g	ARTHIST	4020	5020	
600	143g	ARTHIST	4030	5030	
600	145g	ARTHIST	4040	5040	
600	142g	ARTHIST	4300	5300	
600	148g	ARTHIST	4302	5302	
600	144g	ARTHIST	4310	5310	
600	146g	ARTHIST	4320	5320	
600	153g	ARTHIST	4322	5322	
600	154g	ARTHIST	4340	5340	
600	151g	ARTHIST	4350	5350	
600	152g	ARTHIST	4362	5362	
600	147g	ARTHIST	4600	5600	
600	149g	ARTHIST	4602	5602	
600	150g	ARTHIST	4604	5604	
600	156g	ARTHIST	4606	5606	
600	155g	ARTHIST	4900	5900	
600	191g	ARTHIST	4999	5999	
42T	023	AT	1010		
42T	018	AT	1018		
42T	019	AT	1019		
42T	024	AT	2011		
42T	028	AT	2020		
42T	033	AT	2030		
42T	034	AT	2031		
42T	137	AT	2040		
42T	138	AT	2041		
42T	134	AT	2050		
42T	135	AT	2051		
42T	140	AT	3000		
42T	110	AT	3060		
42T	143	AT	3070		
42T	144	AT	3071		
42T	157	AT	3080		
42T	158	AT	3081		
42T	162	AT	3090		
42T	165	AT	3110		
42T	170	AT	3120		
42T	175	AT	3130		
42T	178	AT	4140		
42T	180	AT	4150		
42T	210	AT	6210		
42T	220	AT	6220		
42T	230	AT	6240		
42T	240	AT	6250		
42T	250	AT	6260		
42T	260	AT	6270		
42T	270	AT	6280		

42T	289	AT	6289		
42T	297	AT	6297		
42T	301	AT	7310		
42T	310	AT	7320		
860	154g	BIOCHEM	4510	5510	
860	155g	BIOCHEM	4520	5520	
860	156g	BIOCHEM	4530	5530	
860	254	BIOCHEM	6510		
840	012	BIOL	1012		
840	013	BIOL	1013		
840	014	BIOL	1014		
840	015	BIOL	1015		
840	033	BIOL	1033		
840	060	BIOL	1060		
840	089	BIOL	1089		
840	051	BIOL	2051		
840	052	BIOL	2052		
840	084	BIOL	3084		
840	100	BIOL	3100		
840	101	BIOL	3101		
840	102	BIOL	3102		
840	103	BIOL	3103		
840	106	BIOL	3106		
840	108	BIOL	3108		
840	110	BIOL	3110		<i>Same as CAP:110 (CAP 3110)</i>
840	112	BIOL	3112		
840	119	BIOL	3119		
840	120	BIOL	3120		
840	140	BIOL	3140		
840	147	BIOL	3147		
840	151	BIOL	3151		
840	152	BIOL	3152		
840	160	BIOL	3160		
840	170	BIOL	3170		
840	174	BIOL	3174		
840	179	BIOL	3179		
840	181	BIOL	3181		
840	185	BIOL	3185		
840	189	BIOL	3189		
840	190	BIOL	3190		
840	191	BIOL	3191		
840	195	BIOL	3195		
840	196	BIOL	3196		
840	197	BIOL	3197		
840	105g	BIOL	4105	5105	
840	114g	BIOL	4114	5114	
840	115g	BIOL	4115	5115	
840	116g	BIOL	4116	5116	
840	121g	BIOL	4121	5121	
840	122g	BIOL	4122	5122	
840	127g	BIOL	4127	5127	
840	128g	BIOL	4128	5128	
840	129g	BIOL	4129	5129	
840	131g	BIOL	4131	5131	
840	138g	BIOL	4137	5137	
840	137g	BIOL	4138	5138	
840	142g	BIOL	4142	5142	
840	143g	BIOL	4143	5143	
840	144g	BIOL	4144	5144	
840	146g	BIOL	4146	5146	
840	150g	BIOL	4150	5150	
840	153g	BIOL	4153	5153	
840	154g	BIOL	4154	5154	
840	155g	BIOL	4155	5155	

840	157g	BIOL	4157	5157	
840	164g	BIOL	4164	5164	
840	166g	BIOL	4166	5166	
840	167g	BIOL	4167	5167	
840	168g	BIOL	4168	5168	
840	172g	BIOL	4172	5172	
840	178g	BIOL	4178	5178	
840	180g	BIOL	4180	5180	
840	184g	BIOL	4184	5184	
840	193g	BIOL	4193	5193	
840	198	BIOL	4198		
840	202	BIOL	6202		
840	230	BIOL	6230		
840	240	BIOL	6240		
840	250	BIOL	6250		
840	260	BIOL	6260		
840	270	BIOL	6270		
840	280	BIOL	6280		
840	289	BIOL	6289		
840	292	BIOL	6292		
840	297	BIOL	6297		
840	299	BIOL	6299		
840	29R	BIOL	629R		
100	010	BUSINESS	1000		
100	040	BUSINESS	1010		
100	020	BUSINESS	2000		
100	110	BUSINESS	3000		
100	155	BUSINESS	3155		<i>Same as CAP:155 (CAP 3155)</i>
100	169	BUSINESS	3169		
100	120	BUSINESS	4000		
CAP	102	CAP	3102		<i>Same as 330:102 (TECH 3102)</i>
CAP	103	CAP	3103		
CAP	105	CAP	3105		
CAP	106	CAP	3106		<i>Same as 490:106 (THEATRE 3100)</i>
CAP	110	CAP	3110		<i>Same as 840:110 (BIOL 3110)</i>
CAP	121	CAP	3121		
CAP	122	CAP	3122		
CAP	123	CAP	3123		
CAP	124	CAP	3124		
CAP	125	CAP	3125		
CAP	128	CAP	3128		<i>Same as 48C:128 (COMM 4236)</i>
CAP	129	CAP	3129		
CAP	130	CAP	3130		
CAP	131	CAP	3131		
CAP	132	CAP	3132		
CAP	134	CAP	3134		
CAP	140	CAP	3140		
CAP	148	CAP	3148		<i>Same as 740:148 (GER 3048)</i>
CAP	151	CAP	3151		<i>Same as 650:151 (PHIL 3010)</i>
CAP	152	CAP	3152		<i>Same as 410:152 (HPE 3650)</i>
CAP	155	CAP	3155		<i>Same as 100:155 (BUSINESS 3155)</i>
CAP	158	CAP	3158		
CAP	160	CAP	3160		<i>Same as 410:160 (HPE 3160)</i>
CAP	173	CAP	3173		<i>Same as 640:173 (RELS 3510) and 650:173 (PHIL 3510)</i>
CAP	187	CAP	3187		<i>Same as 620:187 (ENGLISH 4577)</i>
CAP	194	CAP	3194		<i>Same as 640:194 (RELS 3110) and 650:194 (PHIL 3110)</i>
860	010	CHEM	1010		
860	011	CHEM	1011		
860	020	CHEM	1020		
860	061	CHEM	1030		
860	063	CHEM	1040		
860	044	CHEM	1110		
860	048	CHEM	1120		
860	070	CHEM	1130		

860	030	CHEM	1610		
860	110	CHEM	2110		
860	120	CHEM	2210		
860	123	CHEM	2220		
860	121	CHEM	2230		
860	132	CHEM	2310		
860	180	CHEM	3600		
860	145g	CHEM	4110	5110	
860	144g	CHEM	4200	5200	Same as 880:144g (PHYSICS 4200/5200)
860	148g	CHEM	4210	5210	Same as 880:148g (PHYSICS 4210/5210)
860	161g	CHEM	4220	5220	
860	137g	CHEM	4310	5310	
860	142g	CHEM	4410	5410	
860	140g	CHEM	4420	5420	
860	141g	CHEM	4430	5430	
860	143g	CHEM	4440	5440	
860	149g	CHEM	4610	5610	
860	210	CHEM	6110		
860	220	CHEM	6210		
860	289	CHEM	6289		
860	299	CHEM	6299		
860	29R	CHEM	629R		
860	242	CHEM	6310		
860	241	CHEM	6410		
860	211	CHEM	6610		
860	240	CHEM	6620		
860	292	CHEM	6630		
710	001	CHIN	1001		
710	002	CHIN	1002		
710	011	CHIN	1011		
48C	001	COMM	1000		
48C	031	COMM	1205		
48C	091	COMM	1940		
48C	093	COMM	1941		
48C	002	COMM	2011		
48C	132	COMM	2155		
48C	071	COMM	2255		
48C	011	COMM	2256		
48C	074	COMM	2257		
48C	004	COMM	2344		
48C	015	COMM	2455		
48C	024	COMM	2533		
48C	025	COMM	2555		
48C	166g	COMM	3000	5000	
48C	173	COMM	3155		
48C	179	COMM	3179		
48C	146	COMM	3455		
48C	197g	COMM	3900	5900	
48C	191	COMM	3940		
48C	193	COMM	3941		
48C	180g	COMM	4021	5021	
48C	183g	COMM	4022	5022	
48C	189g	COMM	4023	5023	
48C	131g	COMM	4111	5111	
48C	138g	COMM	4116	5116	
48C	134g	COMM	4134	5134	
48C	135g	COMM	4155	5155	
48C	123g	COMM	4211	5211	
48C	160g	COMM	4216	5216	
48C	176g	COMM	4217	5217	
48C	178	COMM	4218		
48C	128	COMM	4236		Same as CAP:128 (CAP 3128)
48C	121g	COMM	4311	5311	Same as 680:102g (HUM 3102/5102)
48C	136g	COMM	4316	5316	

48C	144g	COMM	4322	5322	
48C	148g	COMM	4333	5333	
48C	151g	COMM	4344	5344	
48C	153g	COMM	4346	5346	
48C	142g	COMM	4347	5347	
48C	141g	COMM	4355	5355	
48C	122g	COMM	4411	5411	
48C	155g	COMM	4444	5444	
48C	113g	COMM	4446	5446	
48C	108g	COMM	4447	5447	
48C	110g	COMM	4448	5448	
48C	117g	COMM	4490	5490	
48C	120g	COMM	4544	5544	
48C	168g	COMM	4555	5555	
48C	187g	COMM	4559	5559	
48C	119g	COMM	4909	5909	
48J	002	COMM COR	1010		
48C	080	COMM COR	2020		
48J	124g	COMM COR	3010	5010	
48C	124	COMM COR	4124		
48E	013	COMM EM	1013		
48E	021	COMM EM	1611		
48E	003	COMM EM	1655		
48E	071	COMM EM	1659		
48E	011	COMM EM	2656		
48E	091	COMM EM	2940		
48E	179	COMM EM	3179		
48E	136	COMM EM	3651		
48E	113	COMM EM	3655		
48E	112	COMM EM	3657		
48E	117	COMM EM	3658		
48E	197g	COMM EM	3900	5900	
48E	191	COMM EM	3940		
48E	166g	COMM EM	4600	5600	
48E	139g	COMM EM	4611	5611	
48E	141g	COMM EM	4616	5616	
48E	123g	COMM EM	4633	5633	
48E	132g	COMM EM	4636	5636	
48E	195	COMM EM	4644		
48E	121g	COMM EM	4646	5646	
48E	161g	COMM EM	4647	5647	
48E	131g	COMM EM	4655	5655	
48E	134g	COMM EM	4656	5656	
48J	007	COMM J	1755		
48J	071	COMM J	2755		
48J	179	COMM J	3179		
48J	174	COMM J	3755		
48J	172	COMM J	3756		
48J	197	COMM J	3900		
48J	121g	COMM J	4711	5711	
48J	178g	COMM J	4715	5715	
48J	171g	COMM J	4735	5735	
48J	132g	COMM J	4743	5743	
48J	151g	COMM J	4754	5754	
48J	176g	COMM J	4765	5765	
48P	005	COMM PR	1811		
48P	091	COMM PR	1840		
48P	173	COMM PR	2855		
48P	179	COMM PR	3179		
48P	184g	COMM PR	3844	5844	
48P	197g	COMM PR	3900	5900	
48P	191	COMM PR	3940		
48P	188g	COMM PR	4811	5811	
48P	170g	COMM PR	4822	5822	

48P	182g	COMM PR	4855	5855	
48C	201	COMMGRAD	6001		<i>Crosslisted with 48E:201 (COMMGRAD 6001) and 48P:201 (COMMGRAD 6001)</i>
48E	201	COMMGRAD	6001		<i>Crosslisted with 48C:201 (COMMGRAD 6001) and 48P:201 (COMMGRAD 6001)</i>
48P	201	COMMGRAD	6001		<i>Crosslisted with 48C:201 (COMMGRAD 6001) and 48E:201 (COMMGRAD 6001)</i>
48C	224	COMMGRAD	6011		
48C	251	COMMGRAD	6014		
48E	224	COMMGRAD	6016		
48P	224	COMMGRAD	6018		
48C	236	COMMGRAD	6022		
48P	282	COMMGRAD	6027		
48C	232	COMMGRAD	6041		
48C	222	COMMGRAD	6042		
48C	244	COMMGRAD	6043		
48C	212	COMMGRAD	6044		
48C	282	COMMGRAD	6045		
48E	222	COMMGRAD	6046		
48P	222	COMMGRAD	6048		
48C	299	COMMGRAD	6299		
48E	299	COMMGRAD	6299		
48P	299	COMMGRAD	6299		
48C	292	COMMGRAD	6900		<i>Crosslisted with 48E:292 (COMMGRAD 6900) and 48P:292 (COMMGRAD 6900)</i>
48E	292	COMMGRAD	6900		<i>Crosslisted with 48C:292 (COMMGRAD 6900) and 48P:292 (COMMGRAD 6900)</i>
48P	292	COMMGRAD	6900		<i>Crosslisted with 48C:292 (COMMGRAD 6900) and 48E:292 (COMMGRAD 6900)</i>
48C	291	COMMGRAD	6955		<i>Crosslisted with 48E:291 (COMMGRAD 6955)</i>
48E	291	COMMGRAD	6955		<i>Crosslisted with 48C:291 (COMMGRAD 6955)</i>
290	103g	COUN	4103	5103	
290	105g	COUN	4105	5105	
290	198	COUN	4198		
290	205	COUN	6205		
290	210	COUN	6210		
290	220	COUN	6220		
290	225	COUN	6225		
290	226	COUN	6226		
290	227	COUN	6227		
290	228	COUN	6228		
290	241	COUN	6241		
290	250	COUN	6250		
290	254	COUN	6254		
290	256	COUN	6256		
290	262	COUN	6262		
290	285	COUN	6285		
290	289	COUN	6289		
290	290	COUN	6290		
290	291	COUN	6291		
290	299	COUN	6299		
982	022	CRIM	2022		
982	025	CRIM	2025		
982	112	CRIM	2112		
982	127	CRIM	2127		
982	152	CRIM	2152		
982	117	CRIM	2217		
982	110g	CRIM	3110	5110	
982	151	CRIM	3151		
982	179	CRIM	3179		
982	126g	CRIM	3226	5226	
982	132	CRIM	3232		
982	119g	CRIM	3319	5319	
982	122g	CRIM	4122	5122	
982	137g	CRIM	4137	5137	
982	198	CRIM	4198		
982	116g	CRIM	4216	5216	
982	124g	CRIM	4224	5224	
982	128g	CRIM	4228	5228	
982	153g	CRIM	4253	5253	

982	162g	CRIM	4262	5262	Same as 990:162g (ANTH 3441/5441)
982	113	CRIM	4314		
982	123g	CRIM	4323	5323	
982	131g	CRIM	4331	5331	
982	111g	CRIM	4344	5344	
982	169g	CRIM	4369	5369	
982	181g	CRIM	4381	5381	
982	185	CRIM	4485		
982	175	CRIM	4575		
982	240	CRIM	6250		
982	250	CRIM	6251		
982	251	CRIM	6252		
982	253	CRIM	6253		
982	280	CRIM	6260		
982	285	CRIM	6285		
982	299	CRIM	6299		
810	021	CS	1000		
810	022	CS	1010		
810	023	CS	1020		
810	025	CS	1025		
810	020	CS	1050		
810	024	CS	1071		
810	071	CS	1072		
810	017	CS	1100		
810	056	CS	1120		
810	030	CS	1130		
810	036	CS	1160		
810	041	CS	1410		
810	051	CS	1510		
810	052	CS	1520		
810	080	CS	1800		
810	134	CS	2134		
810	142	CS	2420		
810	053	CS	2530		
810	165	CS	2650		
810	172	CS	2720		
810	088	CS	2880		
810	112g	CS	3120	5120	
810	114g	CS	3140	5140	
810	115g	CS	3150	5150	
810	179	CS	3179		
810	143g	CS	3430	5430	
810	147g	CS	3470	5470	
810	151	CS	3510		
810	153	CS	3530		
810	154	CS	3540		
810	161g	CS	3610	5610	
810	166g	CS	3650	5650	
810	173g	CS	3730	5730	
810	175g	CS	3750	5750	
810	181g	CS	3810	5810	
810	140g	CS	4400	5400	
810	141g	CS	4410	5410	
810	155g	CS	4550	5550	
810	162g	CS	4620	5620	
810	174g	CS	4740	5740	
810	180	CS	4800		
810	188g	CS	4880	5880	
810	214	CS	6140		
810	240	CS	6400		
810	270	CS	6500		
810	280	CS	6800		
51C	006	CSD	1000		
51C	106	CSD	2100		

51C	107	CSD	2101		
51C	111	CSD	2120		
51C	114	CSD	2130		
51C	151	CSD	2500		
51C	170	CSD	2800		
51C	164g	CSD	3130	5130	
51C	127g	CSD	3200	5200	
51C	125	CSD	3220		
51C	162g	CSD	3250	5250	
51C	175g	CSD	3260	5260	
51C	177g	CSD	3270	5270	
51C	152	CSD	3500		
51C	129	CSD	3550		
51C	168g	CSD	3700	5700	
51C	166g	CSD	3750	5750	
51C	173	CSD	3800		
51C	180g	CSD	3900	5900	
51C	197g	CSD	4000	5000	
51C	160g	CSD	4100	5100	
51C	190g	CSD	4200	5200	
51C	155	CSD	4500		
51C	200	CSD	6000		
51C	282	CSD	6100		
51S	220	CSD	6200		
51C	285	CSD	6285		
51S	289	CSD	6289		
51C	299	CSD	6299		
51S	222	CSD	6300		
51S	226	CSD	6400		
51S	230	CSD	6450		
51S	255	CSD	6500		
51S	250	CSD	6550		
51C	257	CSD	6580		
51S	229	CSD	6600		
51S	228	CSD	6650		
51S	232	CSD	6700		
870	010	EARTHSCI	1100		
870	011	EARTHSCI	1110		
870	021	EARTHSCI	1200		
870	022	EARTHSCI	1210		
870	031	EARTHSCI	1300		
870	035	EARTHSCI	1320		
870	037	EARTHSCI	1410		
870	151	EARTHSCI	2120		
870	152	EARTHSCI	2130		
870	153	EARTHSCI	2140		
870	130	EARTHSCI	2300		
870	131	EARTHSCI	2305		
870	117	EARTHSCI	2315		
870	125	EARTHSCI	2320		
870	181	EARTHSCI	2500		
870	109g	EARTHSCI	3100	5100	
870	154g	EARTHSCI	3110	5110	
870	111g	EARTHSCI	3200	5200	
870	121g	EARTHSCI	3210	5210	
870	122g	EARTHSCI	3220	5220	
870	123g	EARTHSCI	3230	5230	
870	124g	EARTHSCI	3240	5240	
870	177g	EARTHSCI	3250	5250	
870	128g	EARTHSCI	3300	5300	
870	115g	EARTHSCI	3305	5305	
870	129g	EARTHSCI	3310	5310	
870	135	EARTHSCI	3320		
870	136g	EARTHSCI	3325	5325	

870	141g	EARTHSCI	3330	5330	
870	142g	EARTHSCI	3335	5335	
870	165g	EARTHSCI	3340	5340	
870	171g	EARTHSCI	3345	5345	
870	173g	EARTHSCI	3350	5350	
870	175g	EARTHSCI	3355	5355	
870	113g	EARTHSCI	3400	5400	
870	137g	EARTHSCI	3410	5410	
870	189g	EARTHSCI	3420	5420	
870	195	EARTHSCI	3430		
870	180	EARTHSCI	4400		
870	297	EARTHSCI	6297		
870	299	EARTHSCI	6299		
870	292	EARTHSCI	6400		
920	070	ECON	1011		
920	020	ECON	1021		
920	024	ECON	1031		
920	053	ECON	1041		
920	054	ECON	1051		
920	104	ECON	2112		
920	103	ECON	2122		
920	113	ECON	2132		
920	177	ECON	3077		
920	179	ECON	3179		
920	116g	ECON	3217	5217	
920	117g	ECON	3221	5221	
920	123g	ECON	3225	5225	
920	125g	ECON	3229	5229	
920	128g	ECON	3231	5231	
920	131g	ECON	3237	5237	
920	135g	ECON	3241	5241	
920	136g	ECON	3245	5245	
920	143g	ECON	3249	5249	
920	148g	ECON	3253	5253	
920	170g	ECON	3257	5257	
920	175g	ECON	3261	5261	
920	168g	ECON	3269	5269	
920	169g	ECON	3373	5373	
920	160g	ECON	3425	5425	
920	181g	ECON	4380	5380	
920	285	ECON	6285		
920	299	ECON	6299		
920	260	ECON	6520		
270	198	EDLEAD	4198		
270	206	EDLEAD	6206		
270	224	EDLEAD	6224		
270	232	EDLEAD	6232		
270	245	EDLEAD	6245		
270	247	EDLEAD	6247		
270	249	EDLEAD	6249		
270	282	EDLEAD	6282		
270	284	EDLEAD	6284		
270	285	EDLEAD	6285		
270	289	EDLEAD	6289		
270	290	EDLEAD	6290		
270	291	EDLEAD	6291		
270	292	EDLEAD	6292		
270	299	EDLEAD	6299		
270	310	EDLEAD	7310		
270	311	EDLEAD	7311		Same as 170:311 (POSTSEC 7311)
270	315	EDLEAD	7315		
270	318	EDLEAD	7318		
270	319	EDLEAD	7319		
270	325	EDLEAD	7325		

270	340	EDLEAD	7340		
270	346	EDLEAD	7346		
270	354	EDLEAD	7354		
270	385	EDLEAD	7385		
270	389	EDLEAD	7389		
270	391	EDLEAD	7391		
270	397	EDLEAD	7397		
200	017	EDPSYCH	2017		
200	030	EDPSYCH	2030		
200	128	EDPSYCH	3128		
200	148	EDPSYCH	3148		
200	109g	EDPSYCH	4109	5109	
200	116g	EDPSYCH	4116	5116	
200	118g	EDPSYCH	4118	5118	
200	139g	EDPSYCH	4139	5139	
200	140g	EDPSYCH	4140	5140	
200	151g	EDPSYCH	4151	5151	
200	152g	EDPSYCH	4152	5152	
200	170g	EDPSYCH	4170	5170	
200	173g	EDPSYCH	4173	5173	
200	176g	EDPSYCH	4176	5176	
200	180g	EDPSYCH	4180	5180	
200	188g	EDPSYCH	4188	5188	
200	198	EDPSYCH	4198		
200	214	EDPSYCH	6214		
200	224	EDPSYCH	6224		
200	232	EDPSYCH	6232		
200	235	EDPSYCH	6235		
200	240	EDPSYCH	6240		
200	280	EDPSYCH	6280		
200	285	EDPSYCH	6285		
200	289	EDPSYCH	6289		
200	290	EDPSYCH	6290		
200	291	EDPSYCH	6291		
200	299	EDPSYCH	6299		
210	120	ELEMECML	3120		
210	122	ELEMECML	3122		
210	161	ELEMECML	3161		
210	164	ELEMECML	3164		
210	121g	ELEMECML	4121	5121	
210	123g	ELEMECML	4123	5123	
210	130g	ELEMECML	4130	5130	
210	135g	ELEMECML	4135	5135	
210	141g	ELEMECML	4141	5141	
210	142g	ELEMECML	4142	5142	
210	143g	ELEMECML	4143	5143	
210	149g	ELEMECML	4149	5149	
210	152g	ELEMECML	4150	5150	
210	151g	ELEMECML	4151	5151	
210	150g	ELEMECML	4152	5152	
210	155g	ELEMECML	4155	5155	
210	192g	ELEMECML	4192	5192	
210	201	ELEMECML	6201		
210	204	ELEMECML	6204		
210	214	ELEMECML	6214		
210	220	ELEMECML	6220		
210	221	ELEMECML	6221		
210	225	ELEMECML	6225		
210	228	ELEMECML	6228		
210	230	ELEMECML	6230		
210	242	ELEMECML	6242		
210	243	ELEMECML	6243		
210	254	ELEMECML	6254		
210	255	ELEMECML	6255		

210	257	ELEMECML	6257		
210	270	ELEMECML	6270		
210	285	ELEMECML	6285		
210	289	ELEMECML	6289		
210	297	ELEMECML	6297		
210	299	ELEMECML	6299		
210	352	ELEMECML	7352		
210	354	ELEMECML	7354		
210	389	ELEMECML	7389		
210	397	ELEMECML	7397		
620	002	ENGLISH	1002		
620	005	ENGLISH	1005		
620	031	ENGLISH	1120		
620	015	ENGLISH	2015		
620	034	ENGLISH	2120		
620	042	ENGLISH	2320		
620	043	ENGLISH	2340		
620	053	ENGLISH	2420		
620	040	ENGLISH	2520		
620	035	ENGLISH	2650		
620	070	ENGLISH	2715		
620	071	ENGLISH	2725		
620	077	ENGLISH	2770		
620	163g	ENGLISH	4025	5025	
620	164g	ENGLISH	4040	5040	
620	128g	ENGLISH	4120	5120	
620	161g	ENGLISH	4140	5140	
620	150g	ENGLISH	4188	5188	
620	188g	ENGLISH	4190	5190	
620	198	ENGLISH	4198		
620	110g	ENGLISH	4310	5310	
620	113g	ENGLISH	4315	5315	
620	116g	ENGLISH	4320	5320	
620	117g	ENGLISH	4325	5325	
620	118g	ENGLISH	4330	5330	
620	119g	ENGLISH	4335	5335	
620	156g	ENGLISH	4340	5340	
620	120g	ENGLISH	4345	5345	
620	144g	ENGLISH	4370	5370	
620	148g	ENGLISH	4375	5375	
620	147g	ENGLISH	4380	5380	
620	151g	ENGLISH	4410	5410	
620	121g	ENGLISH	4420	5420	
620	123g	ENGLISH	4425	5425	
620	153g	ENGLISH	4430	5430	
620	124g	ENGLISH	4445	5445	
620	157g	ENGLISH	4540	5540	
620	158g	ENGLISH	4560	5560	
620	187	ENGLISH	4577		Same as CAP:187 (CAP 3187)
620	134g	ENGLISH	4602	5602	
620	115g	ENGLISH	4615	5615	
620	172g	ENGLISH	4632	5632	
620	139g	ENGLISH	4652	5652	
620	142g	ENGLISH	4660	5660	
620	182g	ENGLISH	4664	5664	
620	170g	ENGLISH	4672	5672	
620	126g	ENGLISH	4688	5688	
620	103	ENGLISH	4710		
620	108g	ENGLISH	4715	5715	
620	109g	ENGLISH	4725	5725	
620	174g	ENGLISH	4740	5740	
620	175g	ENGLISH	4750	5750	
620	102g	ENGLISH	4765	5765	
620	104g	ENGLISH	4770	5770	

620	105g	ENGLISH	4775	5775	
620	107g	ENGLISH	4780	5780	
620	177g	ENGLISH	4785	5785	
620	197g	ENGLISH	4790	5790	
620	193g	ENGLISH	4920	5920	
620	165g	ENGLISH	4940	5940	
620	190g	ENGLISH	4980	5980	
620	191g	ENGLISH	4985	5985	
620	195g	ENGLISH	4990	5990	
620	201	ENGLISH	6100		
620	204	ENGLISH	6110		
620	206	ENGLISH	6120		
620	208	ENGLISH	6140		
620	284	ENGLISH	6188		
620	297	ENGLISH	6297		
620	299	ENGLISH	6299		
620	220	ENGLISH	6310		
620	221	ENGLISH	6320		
620	223	ENGLISH	6330		
620	226	ENGLISH	6350		
620	231	ENGLISH	6420		
620	232	ENGLISH	6430		
620	234	ENGLISH	6450		
620	260	ENGLISH	6540		
620	270	ENGLISH	6720		
620	291	ENGLISH	6980		
830	195	ENV SCI	4195		
830	165g	ENV SCI	4665	5665	<i>Same as 410:165g (HPE 4665/5665)</i>
830	166g	ENV SCI	4666	5666	<i>Same as 410:166g (HPE 4666/5666)</i>
830	200	ENV SCI	6200		
830	235	ENV SCI	6235		
830	250	ENV SCI	6250		
830	285	ENV SCI	6285		
830	289	ENV SCI	6289		
830	299	ENV SCI	6299		
31F	010	FAM SERV	1010		
31F	020	FAM SERV	1020		
31F	030	FAM SERV	1030		
31F	055	FAM SERV	1055		
31F	057	FAM SERV	1057		
31F	054	FAM SERV	2054		
31F	060	FAM SERV	2060		
31F	077	FAM SERV	2077		
31F	145g	FAM SERV	3145	5145	
31F	150g	FAM SERV	3150	5150	
31F	155g	FAM SERV	3155	5155	
31F	160g	FAM SERV	3160	5160	
31F	162g	FAM SERV	3162	5162	
31F	177g	FAM SERV	3176	5176	
31F	180g	FAM SERV	3180	5180	
31F	182g	FAM SERV	3182	5182	
31F	153g	FAM SERV	4153	5153	
31F	157g	FAM SERV	4157	5157	
31F	178	FAM SERV	4178		
31F	184g	FAM SERV	4184	5184	
31F	190	FAM SERV	4190		
31F	195	FAM SERV	4195		
31F	198	FAM SERV	4198		
160	055	FIN	1040		
160	158g	FIN	3032	5032	
160	154	FIN	3034		
160	162	FIN	3050		
160	163	FIN	3055		
160	157g	FIN	3065	5065	

160	170	FIN	3080		
160	140	FIN	3110		
160	143	FIN	3115		
160	142	FIN	3120		
160	141	FIN	3125		
160	151g	FIN	3130	5130	
160	161	FIN	3135		
160	152g	FIN	3160	5160	
160	153g	FIN	3170	5170	
160	179	FIN	3179		
160	156g	FIN	4140	5140	
160	171	FIN	4145		
160	266	FIN	6266		
160	280	FIN	6280		
160	285	FIN	6285		
160	297	FIN	6297		
160	299	FIN	6299		
720	001	FREN	1001		
720	002	FREN	1002		
720	003	FREN	1011		
720	004	FREN	1012		
720	031	FREN	1120		
720	011	FREN	2001		
720	051	FREN	2002		
720	012	FREN	2011		
720	061	FREN	2012		
720	100	FREN	3000		
720	101g	FREN	3001	5001	
720	102	FREN	3002		
720	103g	FREN	3003	5003	
720	104	FREN	3004		
720	111g	FREN	3011	5011	
720	185g	FREN	3085	5085	
720	105g	FREN	4005	5005	
720	107g	FREN	4007	5007	
720	108g	FREN	4008	5008	
720	114g	FREN	4014	5014	
720	121g	FREN	4021	5021	
720	122g	FREN	4022	5022	
720	124g	FREN	4024	5024	
720	125g	FREN	4025	5025	
720	126g	FREN	4026	5026	
720	128g	FREN	4028	5028	
720	144g	FREN	4044	5044	
720	160g	FREN	4060	5060	
720	161g	FREN	4061	5061	
720	181g	FREN	4081	5081	
720	191	FREN	4091		
720	201	FREN	6001		
720	203	FREN	6003		
720	207	FREN	6007		
720	225	FREN	6025		
720	226	FREN	6026		
720	270	FREN	6070		
720	271	FREN	6071		
720	289	FREN	6289		
970	040	GEOG	1110		
970	010	GEOG	1120		
970	026	GEOG	1210		
970	061	GEOG	1310		
970	101	GEOG	2110		
970	104	GEOG	2120		
970	028	GEOG	2210		
970	100	GEOG	2220		

970	144	GEOG	2230		
970	164	GEOG	2310		
970	179	GEOG	3179		
970	186	GEOG	3186		
970	137	GEOG	3210		
970	189	GEOG	3580		
970	193	GEOG	3598		
970	111g	GEOG	4110	5110	
970	119g	GEOG	4120	5120	
970	114g	GEOG	4130	5130	
970	116g	GEOG	4140	5140	
970	141g	GEOG	4150	5150	
970	151g	GEOG	4160	5160	
970	168g	GEOG	4170	5170	
970	121g	GEOG	4180	5180	
970	117g	GEOG	4190	5190	
970	127g	GEOG	4210	5210	
970	126g	GEOG	4220	5220	
970	129g	GEOG	4230	5230	
970	155g	GEOG	4240	5240	
970	185g	GEOG	4250	5250	
970	170g	GEOG	4310	5310	
970	174g	GEOG	4320	5320	
970	163g	GEOG	4330	5330	
970	160g	GEOG	4340	5340	<i>Same as 800:171g (STAT 3778/5778)</i>
970	175g	GEOG	4350	5350	
970	165g	GEOG	4360	5360	
970	173g	GEOG	4370	5370	
970	171g	GEOG	4520	5520	
970	180	GEOG	4550		
970	181	GEOG	4560		
970	202	GEOG	6000		
970	294	GEOG	6010		
970	285	GEOG	6285		
970	286	GEOG	6286		
970	299	GEOG	6299		
970	280	GEOG	6550		
970	298	GEOG	6598		
740	001	GER	1001		
740	002	GER	1002		
740	003	GER	1011		
740	004	GER	1012		
740	031	GER	1120		
740	011	GER	2001		
740	013	GER	2002		
740	012	GER	2011		
740	014	GER	2012		
740	111	GER	2051		
740	100	GER	3000		
740	101g	GER	3001	5001	
740	102g	GER	3002	5002	
740	103g	GER	3003	5003	
740	104g	GER	3004	5004	
740	105g	GER	3005	5005	
740	116g	GER	3016	5016	
740	132	GER	3032		
740	134	GER	3034		
740	136	GER	3036		
740	148	GER	3048		<i>Same as CAP:148 (CAP 3148)</i>
740	121g	GER	4021	5021	
740	122g	GER	4022	5022	
740	123g	GER	4023	5023	
740	130	GER	4030		
740	150g	GER	4050	5050	

740	160g	GER	4060	5060	
740	185g	GER	4085	5085	
740	191	GER	4091		
740	201	GER	6001		
740	225	GER	6025		
740	250	GER	6050		
740	289	GER	6289		
31G	192g	GERO	3192	5192	
31G	194g	GERO	3194	5194	
31G	170g	GERO	4170	5170	
31G	184g	GERO	4184	5184	
31G	193	GERO	4193		Same as 410:193 (HPE 3693)
31G	195	GERO	4195		
31G	198	GERO	4198		
962	101g	HISEUA	4310	5310	
962	103g	HISEUA	4320	5320	
962	123g	HISEUA	4330	5330	
962	152g	HISEUA	4340	5340	
962	153g	HISEUA	4350	5350	
962	158g	HISEUA	4360	5360	
962	126g	HISEUA	4420	5420	
962	164g	HISEUA	4440	5440	
962	171g	HISEUA	4460	5460	
962	151g	HISEUA	4480	5480	
963	155g	HISEUB	4510	5510	
963	160g	HISEUB	4520	5520	
963	165g	HISEUB	4610	5610	
963	174g	HISEUB	4620	5620	
963	172g	HISEUB	4630	5630	
963	153g	HISEUB	4640	5640	
963	188g	HISEUB	4650	5650	
963	169g	HISEUB	4660	5660	
963	170g	HISEUB	4670	5670	
963	157g	HISEUB	4675	5675	
963	154g	HISEUB	4680	5680	
963	161g	HISEUB	4690	5690	
964	176g	HISNW	4710	5710	
964	180g	HISNW	4720	5720	
964	174g	HISNW	4730	5730	
964	175g	HISNW	4740	5740	
964	178g	HISNW	4820	5820	
964	181g	HISNW	4830	5830	
964	182g	HISNW	4840	5840	
964	183g	HISNW	4850	5850	
964	187g	HISNW	4860	5860	
964	127g	HISNW	4870	5870	
964	128g	HISNW	4880	5880	
960	010	HIST	1010		
960	011	HIST	1011		
960	192	HIST	3000		
960	189	HIST	3010		
960	106g	HIST	4010	5010	
960	125g	HIST	4020	5020	Same as 990:125g (ANTH 3440/5440)
960	132g	HIST	4030	5030	
960	198	HIST	4198		
960	225	HIST	6020		
960	280	HIST	6030		
960	290	HIST	6050		
960	285	HIST	6285		
960	289	HIST	6289		
960	297	HIST	6297		
960	299	HIST	6299		
961	014	HISUS	1110		
961	015	HISUS	1120		

961	136g	HISUS	4110	5110	
961	137g	HISUS	4130	5130	
961	139g	HISUS	4140	5140	
961	147g	HISUS	4150	5150	
961	131g	HISUS	4160	5160	
961	116g	HISUS	4180	5180	
961	130g	HISUS	4200	5200	
961	141g	HISUS	4210	5210	
961	140g	HISUS	4220	5220	
961	102g	HISUS	4230	5230	
961	120g	HISUS	4235	5235	
961	144g	HISUS	4240	5240	
961	122g	HISUS	4245	5245	
961	145g	HISUS	4250	5250	<i>Same as 640:117g (RELS 4230/5230)</i>
961	124g	HISUS	4255	5255	
961	146g	HISUS	4260	5260	
961	150g	HISUS	4265	5265	
961	135g	HISUS	4270	5270	
961	142g	HISUS	4275	5275	
961	143g	HISUS	4280	5280	
410	005	HPE	1101		
410	020	HPE	2120		
410	060	HPE	2160		
410	110	HPE	3110		
410	112	HPE	3112		
410	118	HPE	3118		
410	135	HPE	3135		
410	160	HPE	3160		<i>Same as CAP:160 (CAP 3160)</i>
410	140	HPE	3240		
410	144	HPE	3344		
410	152	HPE	3650		<i>Same as CAP:152 (CAP 3152)</i>
410	185	HPE	3686		
410	189	HPE	3689		
410	193	HPE	3693		<i>Same as 31G:193 (GERO 4193)</i>
410	125g	HPE	4125	5125	
410	155g	HPE	4155	5155	
410	161g	HPE	4161	5161	
410	162g	HPE	4162	5162	
410	164g	HPE	4164	5164	
410	167g	HPE	4167	5167	
410	147g	HPE	4247	5247	
410	156g	HPE	4256	5256	
410	197g	HPE	4297	5297	
410	128g	HPE	4328	5328	
410	153g	HPE	4353	5353	
410	176g	HPE	4376	5376	
410	178g	HPE	4378	5378	
410	131g	HPE	4431	5431	
410	138g	HPE	4438	5438	
410	145g	HPE	4485	5485	
410	151g	HPE	4551	5551	
410	180g	HPE	4580	5580	
410	163g	HPE	4663	5663	
410	165g	HPE	4665	5665	<i>Same as 830:165g (ENV SCI 4665/5665)</i>
410	166g	HPE	4666	5666	<i>Same as 830:166g (ENV SCI 4666/5666)</i>
410	168	HPE	4768		
410	220	HPE	6220		
410	295	HPE	6245		
410	271	HPE	6271		<i>Same as 420:271 (PEMES 6271)</i>
410	285	HPE	6285		
410	289	HPE	6289		
410	297	HPE	6297		
410	299	HPE	6299		
410	290	HPE	6390		

410	293	HPE	6393		
410	319	HPE	7214		
410	320	HPE	7320		
410	389	HPE	7389		
440	010	HPELS	1010		
440	045	HPELS	2045		
440	120	HPELS	2120		
440	210	HPELS	6210		
440	215	HPELS	6215		
440	290	HPELS	6290		
680	010	HUM	1010		
680	021	HUM	1021		
680	022	HUM	1022		
680	023	HUM	1023		
680	102g	HUM	3102	5102	<i>Same as 48C:121g (COMM 4311/5311)</i>
680	110g	HUM	3110	5110	
680	121	HUM	3121		
680	122	HUM	3122		
680	123	HUM	3123		
680	124	HUM	3124		
680	125	HUM	3125		
680	127	HUM	3127		
680	128	HUM	3128		
680	130	HUM	3130		
680	131	HUM	3131		
680	132	HUM	3132		<i>Same as 990:132 (ANTH 2410)</i>
680	137	HUM	3137		<i>Same as 990:137 (ANTH 2411)</i>
680	138	HUM	3138		<i>Same as 640:138 (RELS 3310)</i>
680	151g	HUM	3151	5151	
680	160g	HUM	3160	5160	
680	169	HUM	3169		
680	188	HUM	3188		
680	189g	HUM	3189	5189	
680	192	HUM	4192		
680	198	HUM	4198		
890	010	IA LL	2010		
890	019	IA LL	2019		
890	030	IA LL	2030		
890	040	IA LL	2040		
890	043	IA LL	2043		
890	044	IA LL	2044		
890	050	IA LL	2045		
890	064	IA LL	2046		
890	100g	IA LL	3100	5100	
890	102g	IA LL	3102	5102	
890	103g	IA LL	3103	5103	
890	105g	IA LL	3105	5105	
890	109g	IA LL	3109	5109	
890	111g	IA LL	3111	5111	
890	119g	IA LL	3119	5119	
890	121g	IA LL	3121	5121	
890	122g	IA LL	3122	5122	
890	124g	IA LL	3124	5124	
890	126g	IA LL	3126	5126	
890	127g	IA LL	3127	5127	
890	128g	IA LL	3128	5128	
890	129g	IA LL	3129	5129	
890	132	IA LL	3132		
890	134g	IA LL	3134	5134	
890	135g	IA LL	3135	5135	
890	140g	IA LL	3140	5140	
890	142g	IA LL	3142	5142	
890	144g	IA LL	3144	5144	
890	155g	IA LL	3155	5155	

890	160g	IA LL	3160	5160	
890	161g	IA LL	3161	5161	
890	163	IA LL	3163		
890	165g	IA LL	3165	5165	
890	166g	IA LL	3166	5166	
890	175g	IA LL	3175	5175	
890	156g	IA LL	4156	5156	
890	178g	IA LL	4178	5178	
890	193	IA LL	4193		
890	198	IA LL	4198		
890	210	IA LL	6210		
890	215	IA LL	6215		
890	217	IA LL	6217		
890	225	IA LL	6225		
890	240	IA LL	6240		
890	286	IA LL	6286		
890	291	IA LL	6291		
890	299	IA LL	6299		
240	020	INSTTECH	1020		
240	030	INSTTECH	1030		
240	031	INSTTECH	1031		
240	186	INSTTECH	3186		
240	131g	INSTTECH	4131	5131	
240	138g	INSTTECH	4138	5138	
240	139g	INSTTECH	4139	5139	
240	140g	INSTTECH	4140	5140	
240	147g	INSTTECH	4147	5147	
240	150g	INSTTECH	4150	5150	
240	153g	INSTTECH	4153	5153	
240	160	INSTTECH	4160		
240	170g	INSTTECH	4170	5170	
240	189	INSTTECH	4189		
240	205	INSTTECH	6205		
240	210	INSTTECH	6210		
240	230	INSTTECH	6230		
240	232	INSTTECH	6232		
240	235	INSTTECH	6235		
240	237	INSTTECH	6237		
240	240	INSTTECH	6240		
240	245	INSTTECH	6245		
240	260	INSTTECH	6260		
240	285	INSTTECH	6285		
240	286	INSTTECH	6286		
240	289	INSTTECH	6289		
240	297	INSTTECH	6297		
240	299	INSTTECH	6299		
240	340	INSTTECH	7340		
190	301	INTDEPED	7301		
190	303	INTDEPED	7303		
190	305	INTDEPED	7305		
190	307	INTDEPED	7307		
190	389	INTDEPED	7389		
190	399	INTDEPED	7399		
311	065	INTDSGN	1001		
311	061	INTDSGN	1061		
311	063	INTDSGN	1063		
311	067	INTDSGN	1067		
311	066	INTDSGN	2024		
311	064	INTDSGN	2063		
311	068	INTDSGN	2067		
311	125	INTDSGN	2125		
311	075	INTDSGN	3065		
311	126	INTDSGN	3126		
311	127	INTDSGN	3127		

311	128	INTDSGN	3128		
311	129	INTDSGN	3129		
311	164	INTDSGN	3164		
311	184g	INTDSGN	4184	5184	
311	192g	INTDSGN	4192	5192	
311	194g	INTDSGN	4194	5194	
311	195	INTDSGN	4195		
311	198	INTDSGN	4198		
700	099	LANG	2003		
700	190g	LANG	4090	5090	
700	193g	LANG	4093	5093	
700	198	LANG	4198		
700	290	LANG	6090		
700	295	LANG	6095		
230	044	LITED	1044		
230	115	LITED	2115		
230	140	LITED	2140		
230	116	LITED	3116		
230	119	LITED	3119		
230	121	LITED	3121		
230	147	LITED	3147		
230	192	LITED	3192		
230	117g	LITED	4117	5117	
230	155g	LITED	4155	5155	
230	193g	LITED	4193	5193	
230	212	LITED	6212		
230	238	LITED	6238		
230	239	LITED	6239		
230	240	LITED	6240		
230	245	LITED	6245		
230	247	LITED	6247		
230	260	LITED	6260		
230	289	LITED	6289		
230	290	LITED	6290		
230	292	LITED	6292		
230	299	LITED	6299		
230	302	LITED	7302		
230	303	LITED	7303		
230	304	LITED	7304		
230	305	LITED	7305		
230	306	LITED	7306		
230	307	LITED	7307		
230	354	LITED	7354		
230	389	LITED	7389		
230	397	LITED	7397		
430	010	LYHS	2010		
430	020	LYHS	2020		
430	121	LYHS	2040		
430	183	LYHS	2119		
430	060	LYHS	2335		
430	157	LYHS	2336		
430	050	LYHS	2551		
430	070	LYHS	2770		
430	030	LYHS	3030		
430	114	LYHS	3050		
430	110	LYHS	3060		
430	185	LYHS	3290		
430	154	LYHS	3337		
430	155	LYHS	3338		
430	075	LYHS	3772		
430	173	LYHS	3774		
430	123	LYHS	3991		
430	151	LYHS	4055		
430	169g	LYHS	4070	5070	

430	189	LYHS	4080		
430	184	LYHS	4090		
430	187	LYHS	4095		
430	168g	LYHS	4115	5115	
430	172g	LYHS	4116	5116	
430	165g	LYHS	4265	5265	
430	188g	LYHS	4339	5339	
430	130g	LYHS	4552	5552	
430	143g	LYHS	4553	5553	
430	146g	LYHS	4554	5554	
430	140g	LYHS	4621	5621	
430	141g	LYHS	4623	5623	
430	144g	LYHS	4625	5625	
430	170g	LYHS	4776	5776	
430	171g	LYHS	4778	5778	
430	138g	LYHS	4779	5779	
430	160g	LYHS	4995	5995	
430	167g	LYHS	4996	5996	
430	163g	LYHS	4997	5997	
430	240	LYHS	6200		
430	201	LYHS	6201		
430	202	LYHS	6202		
430	248	LYHS	6203		
430	285	LYHS	6285		
430	291	LYHS	6295		
430	299	LYHS	6299		
430	260	LYHS	6402		
430	254	LYHS	6404		
430	253	LYHS	6406		
430	251	LYHS	6408		
430	220	LYHS	6410		
430	250	LYHS	6412		
430	241	LYHS	6414		
430	244	LYHS	6416		
430	256	LYHS	6418		
430	249	LYHS	6420		
430	310	LYHS	7410		
430	312	LYHS	7412		
430	329	LYHS	7999		
800	004	MATH	0100		
800	023	MATH	1100		
800	043	MATH	1110		
800	056	MATH	1120		
800	044	MATH	1130		
800	046	MATH	1140		
800	048	MATH	1150		
800	031	MATH	1201		
800	037	MATH	1210		
800	095	MATH	1300		
800	096	MATH	1310		
800	060	MATH	1420		
800	061	MATH	1421		
800	090	MATH	1900		
800	062	MATH	2422		
800	076	MATH	2500		
800	111g	MATH	3211	5211	
800	112g	MATH	3212	5212	
800	113g	MATH	3213	5213	
800	114g	MATH	3214	5214	
800	173	MATH	3751		Same as 800:173 (STAT 3751)
800	152g	MATH	3752	5752	Same as 800:152g (STAT 3752/5752)
800	145g	MATH	3780	5780	Same as 800:145g (ACT SCI 3780/5780)
800	198	MATH	4198		
800	154g	MATH	4754	5754	Same as 800:154g (STAT 4754/5754)

800	299	MATH	6299		
800	280	MATH	6380		
800	281	MATH	6381		
800	291	MATH	6391		
800	293	MATH	6393		
800	251	MATH	6746		<i>Same as 800:251 (STAT 6746)</i>
800	252	MATH	6747		<i>Same as 800:252 (STAT 6747)</i>
800	253	MATH	6748		<i>Same as 800:253 (STAT 6748)</i>
800	273	MATH	6779		<i>Same as 800:273 (STAT 6779)</i>
800	275	MATH	6795		
800	131	MATH	3202		
800	134	MATH	3203		
800	191g	MATH	3205	5205	
800	192	MATH	3215		
800	188	MATH	3303		
800	190	MATH	3304		
800	183	MATH	3305		
800	142g	MATH	3410	5410	
800	149g	MATH	3425	5425	
800	150g	MATH	3430	5430	
800	176g	MATH	3440	5440	
800	143g	MATH	3530	5530	
800	166g	MATH	3600	5600	
800	165g	MATH	3610	5610	
800	155g	MATH	3630	5630	
800	180g	MATH	3640	5640	
800	140g	MATH	4420	5420	
800	141g	MATH	4421	5421	
800	156g	MATH	4460	5460	
800	160g	MATH	4500	5500	
800	162g	MATH	4501	5501	
800	144g	MATH	4510	5510	
800	189g	MATH	4615	5615	
800	167g	MATH	4641	5641	
800	125g	MATH	4742	5742	
800	194	MATH	4900		
800	195	MATH	4990		
800	220	MATH	6201		
800	222	MATH	6203		
800	215	MATH	6205		
800	221	MATH	6207		
800	237	MATH	6210		
800	211	MATH	6212		
800	213	MATH	6213		
800	214	MATH	6214		
800	236	MATH	6224		
800	238	MATH	6226		
800	270	MATH	6370		
800	271	MATH	6371		
800	201	MATH	6420		
800	202	MATH	6421		
800	203	MATH	6460		
800	204	MATH	6461		
800	240	MATH	6500		
800	241	MATH	6501		
800	210	MATH	6510		
800	243	MATH	6530		
800	246	MATH	6640		
800	263	MATH	6650		
800	267	MATH	6670		
800	250	MATH	6745		
250	150	MEASRES	3150		
250	180g	MEASRES	4180	5180	
250	181g	MEASRES	4181	5181	

250	205	MEASRES	6205		
250	270	MEASRES	6270		
250	281	MEASRES	6281		
250	282	MEASRES	6282		
250	283	MEASRES	6283		
250	284	MEASRES	6284		
250	285	MEASRES	6285		
250	289	MEASRES	6289		
250	299	MEASRES	6299		
250	300	MEASRES	7300		
250	301	MEASRES	7301		
250	310	MEASRES	7310		
150	032	MGMT	2032		
150	034	MGMT	2034		
150	080	MGMT	2080		
150	091	MGMT	2091		
150	100	MGMT	3100		
150	101	MGMT	3101		
150	102	MGMT	3102		
150	112	MGMT	3112		
150	113	MGMT	3113		
150	117	MGMT	3117		
150	120	MGMT	3120		
150	125	MGMT	3125		
150	127	MGMT	3127		
150	128	MGMT	3128		
150	140	MGMT	3140		
150	145	MGMT	3145		
150	153	MGMT	3153		
150	154	MGMT	3154		
150	161	MGMT	3161		
150	163	MGMT	3163		
150	164	MGMT	3164		
150	170	MGMT	3170		
150	179	MGMT	3179		
150	187	MGMT	3187		
150	189	MGMT	3189		
150	191	MGMT	3191		
150	105g	MGMT	3905	5905	
150	114g	MGMT	3914	5914	
150	116g	MGMT	3916	5916	
150	119g	MGMT	3919	5919	
150	130g	MGMT	3930	5930	
150	165g	MGMT	3965	5965	
150	166g	MGMT	3966	5966	
150	168g	MGMT	3968	5968	
150	169g	MGMT	3969	5969	
150	174g	MGMT	3974	5974	Same as 640:174g (RELS 3540/5540) and 650:174g (PHIL 3540/5540)
150	175	MGMT	4175		
150	167g	MGMT	4967	5967	
150	249	MGMT	6249		
150	250	MGMT	6250		
150	262	MGMT	6260		
150	272	MGMT	6262		
150	274	MGMT	6272		
150	276	MGMT	6276		
150	280	MGMT	6280		
150	285	MGMT	6285		
150	297	MGMT	6297		
150	299	MGMT	6299		
080	091	MIL SCI	1091		
080	092	MIL SCI	1092		
080	094	MIL SCI	1093		
080	093	MIL SCI	1094		

080	095	MIL SCI	1095		
080	098	MIL SCI	1098		
080	116	MIL SCI	3116		
080	117	MIL SCI	3117		
080	118	MIL SCI	3118		
080	119	MIL SCI	3119		
080	189	MIL SCI	3189		
080	192	MIL SCI	3192		
130	101	MKTG	2110		
130	106g	MKTG	3113	5113	
130	108g	MKTG	3116	5116	
130	150	MKTG	3143		
130	160	MKTG	3146		
130	153	MKTG	3153		
130	178	MKTG	3156		
130	161	MKTG	3163		
130	166	MKTG	3166		
130	131	MKTG	3173		
130	177g	MKTG	3176	5176	
130	179	MKTG	3179		
130	170g	MKTG	3583	5583	
130	175g	MKTG	3586	5586	
130	197g	MKTG	3589	5589	
130	142	MKTG	3595		
130	191g	MKTG	4170	5170	
130	198	MKTG	4198		
130	169	MKTG	4595		
130	263	MKTG	6170		
130	285	MKTG	6285		
130	297	MKTG	6297		
130	299	MKTG	6299		
130	280	MKTG	6595		
540	Nxx	MUS APPL	1xx5		
540	029	MUS APPL	1290		
540	030	MUS APPL	1300		
540	031	MUS APPL	1310		
540	032	MUS APPL	1320		
540	034	MUS APPL	1340		
540	035	MUS APPL	1350		
540	036	MUS APPL	1360		
540	037	MUS APPL	1370		
540	038	MUS APPL	1380		
540	039	MUS APPL	1390		
540	040	MUS APPL	1400		
540	041	MUS APPL	1410		
540	042	MUS APPL	1420		
540	043	MUS APPL	1430		
540	044	MUS APPL	1440		
540	045	MUS APPL	1450		
540	046	MUS APPL	1460		
540	P46	MUS APPL	1467		
540	047	MUS APPL	1470		
540	048	MUS APPL	1480		
540	049	MUS APPL	1490		
540	050	MUS APPL	1500		
540	051	MUS APPL	1510		
540	052	MUS APPL	1520		
540	053	MUS APPL	1530		
540	054	MUS APPL	1540		
540	055	MUS APPL	1550		
540	056	MUS APPL	1560		
540	057	MUS APPL	1570		
540	058	MUS APPL	1580		
540	060	MUS APPL	2600		

540	129g	MUS APPL	3290	5290	
540	130g	MUS APPL	3300	5300	
540	131g	MUS APPL	3310	5310	
540	132g	MUS APPL	3320	5320	
540	134g	MUS APPL	3340	5340	
540	135g	MUS APPL	3350	5350	
540	136g	MUS APPL	3360	5360	
540	137g	MUS APPL	3370	5370	
540	138g	MUS APPL	3380	5380	
540	139g	MUS APPL	3390	5390	
540	140g	MUS APPL	3400	5400	
540	141g	MUS APPL	3410	5410	
540	142g	MUS APPL	3420	5420	
540	143g	MUS APPL	3430	5430	
540	144g	MUS APPL	3440	5440	
540	145g	MUS APPL	3450	5450	
540	146g	MUS APPL	3460	5460	
540	147g	MUS APPL	3470	5470	
540	148g	MUS APPL	3480	5480	
540	149g	MUS APPL	3490	5490	
540	150g	MUS APPL	3500	5500	
540	151g	MUS APPL	3510	5510	
540	152g	MUS APPL	3520	5520	
540	153g	MUS APPL	3530	5530	
540	154g	MUS APPL	3540	5540	
540	155g	MUS APPL	3550	5550	
540	156g	MUS APPL	3560	5560	
540	157g	MUS APPL	3570	5570	
540	158g	MUS APPL	3580	5580	
540	178	MUS APPL	3780		
540	189	MUS APPL	4890		
540	221	MUS APPL	6210		
540	222	MUS APPL	6220		
540	229	MUS APPL	6290		
540	230	MUS APPL	6300		
540	231	MUS APPL	6310		
540	232	MUS APPL	6320		
540	234	MUS APPL	6340		
540	235	MUS APPL	6350		
540	236	MUS APPL	6360		
540	237	MUS APPL	6370		
540	238	MUS APPL	6380		
540	239	MUS APPL	6390		
540	240	MUS APPL	6400		
540	241	MUS APPL	6410		
540	242	MUS APPL	6420		
540	243	MUS APPL	6430		
540	244	MUS APPL	6440		
540	245	MUS APPL	6450		
540	246	MUS APPL	6460		
540	247	MUS APPL	6470		
540	248	MUS APPL	6480		
540	249	MUS APPL	6490		
540	250	MUS APPL	6500		
540	251	MUS APPL	6510		
540	252	MUS APPL	6520		
540	253	MUS APPL	6530		
540	254	MUS APPL	6540		
540	255	MUS APPL	6550		
540	256	MUS APPL	6560		
540	257	MUS APPL	6570		
540	258	MUS APPL	6580		
540	288	MUS APPL	6880		
570	010	MUS ED	1100		

570	050	MUS ED	1500		
570	075	MUS ED	1750		
570	101	MUS ED	3010		
570	102	MUS ED	3020		
570	103	MUS ED	3030		
570	130g	MUS ED	3300	5300	
570	138g	MUS ED	3380	5380	
570	141	MUS ED	3410		
570	145g	MUS ED	3450	5450	
570	148g	MUS ED	3480	5480	
570	149g	MUS ED	3490	5490	
570	161	MUS ED	3610		
570	162	MUS ED	3620		
570	163	MUS ED	3630		
570	164	MUS ED	3640		
570	165	MUS ED	3650		
570	175g	MUS ED	3750	5750	
570	197g	MUS ED	3970	5970	
570	221	MUS ED	6210		
570	285	MUS ED	6285		
570	299	MUS ED	6299		
570	230	MUS ED	6300		
570	250	MUS ED	6500		
570	252	MUS ED	6520		
570	255	MUS ED	6550		
570	257	MUS ED	6570		
570	258	MUS ED	6580		
570	260	MUS ED	6600		
570	282	MUS ED	6820		
570	287	MUS ED	6870		
530	010	MUS ENS	1100		
530	012	MUS ENS	1120		
530	015	MUS ENS	1150		
530	016	MUS ENS	1160		
530	017	MUS ENS	1170		
530	018	MUS ENS	1180		
530	019	MUS ENS	1190		
530	110g	MUS ENS	3100	5100	
530	112g	MUS ENS	3120	5120	
530	115g	MUS ENS	3150	5150	
530	116g	MUS ENS	3160	5160	
530	117g	MUS ENS	3170	5170	
530	118g	MUS ENS	3180	5180	
530	119g	MUS ENS	3190	5190	
590	001	MUS HIST	1010		
590	002	MUS HIST	1020		
590	003	MUS HIST	1030		
590	110g	MUS HIST	3100	5100	
590	111g	MUS HIST	3110	5110	
590	112g	MUS HIST	3120	5120	
590	114g	MUS HIST	3140	5140	
590	115g	MUS HIST	3150	5150	
590	130g	MUS HIST	3300	5300	
590	151g	MUS HIST	3510	5510	
590	160g	MUS HIST	3600	5600	
590	180g	MUS HIST	3800	5800	
590	222	MUS HIST	6220		
590	285	MUS HIST	6285		
590	289	MUS HIST	6289		
590	299	MUS HIST	6299		
590	250	MUS HIST	6500		
595	120g	MUS LIT	3200	5200	
595	131g	MUS LIT	3310	5310	
595	140g	MUS LIT	3400	5400	

595	142g	MUS LIT	3420	5420	
595	299	MUS LIT	6299		
560	010	MUS TECH	1100		
560	017	MUS TECH	1170		
560	018	MUS TECH	1180		
560	021	MUS TECH	1210		
560	022	MUS TECH	1220		
560	030	MUS TECH	1300		
560	031	MUS TECH	1310		
560	032	MUS TECH	1320		
560	033	MUS TECH	1330		
560	045	MUS TECH	1450		
560	052	MUS TECH	1520		
560	060	MUS TECH	1600		
560	110g	MUS TECH	3100	5100	
560	111	MUS TECH	3110		
560	112	MUS TECH	3120		
560	121g	MUS TECH	3210	5210	
560	122g	MUS TECH	3220	5220	
560	135g	MUS TECH	3350	5350	
560	145g	MUS TECH	3450	5450	
560	152g	MUS TECH	3520	5520	
560	161g	MUS TECH	3610	5610	
560	113	MUS TECH	4130		
560	223	MUS TECH	6230		
560	299	MUS TECH	6299		
560	250	MUS TECH	6500		
560	252	MUS TECH	6520		
580	010	MUS THEO	1100		
580	011	MUS THEO	1110		
580	012	MUS THEO	1120		
580	015	MUS THEO	1150		
580	016	MUS THEO	1160		
580	025	MUS THEO	1250		
580	026	MUS THEO	1260		
580	030	MUS THEO	1300		
580	013	MUS THEO	2130		
580	014	MUS THEO	2140		
580	017	MUS THEO	2170		
580	018	MUS THEO	2180		
580	027	MUS THEO	2270		
580	028	MUS THEO	2280		
580	110	MUS THEO	3100		
580	122	MUS THEO	3220		
580	123	MUS THEO	3230		
580	125g	MUS THEO	3250	5250	
580	126g	MUS THEO	3260	5260	
580	127g	MUS THEO	3270	5270	
580	128g	MUS THEO	3280	5280	
580	132g	MUS THEO	3320	5320	
580	180g	MUS THEO	3800	5800	
580	190	MUS THEO	4900		
580	210	MUS THEO	6100		
580	211	MUS THEO	6110		
580	299	MUS THEO	6299		
520	010	MUSIC	1100		
520	102g	MUSIC	3020	5020	
520	299	MUSIC	6299		
310	030	NUTR	1030		
310	031	NUTR	1031		
420	001	PEMES	2001		
420	011	PEMES	2011		
420	013	PEMES	2013		
420	015	PEMES	2015		

420	016	PEMES	2016		
420	017	PEMES	2017		
420	021	PEMES	2021		
420	024	PEMES	2024		
420	025	PEMES	2025		
420	034	PEMES	2034		
420	036	PEMES	2036		
420	037	PEMES	2037		
420	045	PEMES	2045		
420	050	PEMES	2050		
420	053	PEMES	2053		
420	056	PEMES	2056		
420	060	PEMES	2060		
420	061	PEMES	2061		
420	101	PEMES	3101		
420	102	PEMES	3102		
420	104	PEMES	3104		
420	107	PEMES	3107		
420	108	PEMES	3108		
420	111	PEMES	3111		
420	112	PEMES	3112		
420	113	PEMES	3113		
420	118	PEMES	3118		
420	120	PEMES	3120		
420	121	PEMES	3121		
420	122	PEMES	3122		
420	123	PEMES	3123		
420	131	PEMES	3131		
420	132	PEMES	3132		
420	135	PEMES	3135		
420	140	PEMES	3140		
420	151	PEMES	3151		
420	153	PEMES	3153		
420	154	PEMES	3154		
420	155g	PEMES	3155	5155	
420	156	PEMES	3156		
420	157	PEMES	3157		
420	162	PEMES	3162		
420	168	PEMES	3168		
420	173	PEMES	3173		
420	174	PEMES	3174		
420	176	PEMES	3176		
420	185	PEMES	3185		
420	191	PEMES	3191		
420	193	PEMES	3193		
420	197	PEMES	3197		
420	152g	PEMES	4152	5152	
420	194	PEMES	4194		
420	198	PEMES	4198		
420	127g	PEMES	4217	5217	
420	200	PEMES	6200		
420	222	PEMES	6222		
420	230	PEMES	6230		
420	231	PEMES	6231		
420	251	PEMES	6251		
420	253	PEMES	6253		
420	255	PEMES	6255		
420	260	PEMES	6260		
420	271	PEMES	6271		Same as 410:271 (HPE 6271)
420	273	PEMES	6273		
420	285	PEMES	6285		
420	289	PEMES	6289		
420	293	PEMES	6293		
420	295	PEMES	6295		

420	297	PEMES	6297		
420	299	PEMES	6299		
650	021	PHIL	1020		
650	045	PHIL	1030		
650	050	PHIL	2010		
650	142	PHIL	2510		
650	151	PHIL	3010		<i>Same as CAP:151 (CAP 3151)</i>
650	189g	PHIL	3080	5080	
650	194	PHIL	3110		<i>Same as 640:194 (RELS 3110) and CAP:194 (CAP 3194)</i>
650	143	PHIL	3120		
650	119	PHIL	3130		
650	100	PHIL	3210		
650	101	PHIL	3220		
650	103	PHIL	3230		
650	104	PHIL	3240		
650	153g	PHIL	3310	5310	
650	172	PHIL	3320		
650	173	PHIL	3510		<i>Same as 640:173 (RELS 3510) and CAP:173 (CAP 3173)</i>
650	175g	PHIL	3530	5530	<i>Same as 640:175g (RELS 3520/5520)</i>
650	174g	PHIL	3540	5540	<i>Same as 150:174g (MGMT 3974/5974) and 640:174g (RELS 3540/5540)</i>
650	197	PHIL	3550		<i>Same as 640:197 (RELS 3550)</i>
650	150g	PHIL	4010	5010	
650	113g	PHIL	4110	5110	<i>Same as 640:113g (RELS 4110/5110)</i>
650	186g	PHIL	4186	5186	
650	105g	PHIL	4310	5310	
650	152g	PHIL	4320	5320	<i>Same as 640:152g (RELS 4320/5320)</i>
650	160g	PHIL	4330	5330	
650	164g	PHIL	4410	5410	
650	166g	PHIL	4420	5420	
650	250	PHIL	6010		<i>Same as 640:250 (RELS 6010)</i>
650	245	PHIL	6510		
880	012	PHYSICS	1000		
880	011	PHYSICS	1400		
880	054	PHYSICS	1511		
880	056	PHYSICS	1512		
880	130	PHYSICS	1701		
880	131	PHYSICS	1702		
880	080	PHYSICS	1800		
880	132	PHYSICS	2300		
880	180	PHYSICS	3000		
880	179	PHYSICS	3179		
880	184	PHYSICS	3500		
880	187	PHYSICS	3700		
880	157g	PHYSICS	4000	5000	
880	140g	PHYSICS	4050	5050	
880	137g	PHYSICS	4100	5100	
880	138g	PHYSICS	4110	5110	
880	144g	PHYSICS	4200	5200	<i>Same as 860:144g (CHEM 4200/5200)</i>
880	148g	PHYSICS	4210	5210	<i>Same as 860:148g (CHEM 4210/5210)</i>
880	152g	PHYSICS	4300	5300	
880	154g	PHYSICS	4310	5310	
880	185g	PHYSICS	4450	5450	
880	166g	PHYSICS	4600	5600	
880	167g	PHYSICS	4700	5700	
880	174g	PHYSICS	4750	5750	
880	172g	PHYSICS	4800	5800	
880	150g	PHYSICS	4860	5860	
880	136g	PHYSICS	4900	5900	
880	189g	PHYSICS	4950	5950	
880	205	PHYSICS	6100		
880	299	PHYSICS	6299		
880	220	PHYSICS	6300		
880	250	PHYSICS	6500		
942	014	POL AMER	1014		

942	048	POL AMER	1048		
942	131	POL AMER	2131		
942	112	POL AMER	3112		
942	130	POL AMER	3130		
942	132	POL AMER	3132		
942	134	POL AMER	3134		
942	141	POL AMER	3141		
942	144	POL AMER	3144		
942	146	POL AMER	3146		
942	147	POL AMER	3147		
942	150	POL AMER	3150		
942	151	POL AMER	3151		
942	166	POL AMER	3166		
942	172	POL AMER	3172		
942	174	POL AMER	3174		
942	142g	POL AMER	4142	5142	
942	143g	POL AMER	4143	5143	
942	153g	POL AMER	4153	5153	
942	173g	POL AMER	4173	5173	
942	176g	POL AMER	4176	5176	
942	177g	POL AMER	4177	5177	
942	188g	POL AMER	4188	5188	
944	040	POL COMP	1040		
944	121	POL COMP	3121		
944	123	POL COMP	3123		
944	125	POL COMP	3125		
944	135	POL COMP	3135		
944	162	POL COMP	3162		
944	164	POL COMP	3164		
944	165	POL COMP	3165		
944	167	POL COMP	3167		
940	020	POL GEN	1020		
940	010	POL GEN	2010		
940	111	POL GEN	3111		
940	181	POL GEN	3181		
940	184	POL GEN	3184		
940	188	POL GEN	3188		
940	189g	POL GEN	4189	5189	
940	198	POL GEN	4198		
940	285	POL GEN	6285		
940	299	POL GEN	6299		
943	024	POL INTL	1024		
943	120	POL INTL	3120		
943	126	POL INTL	3126		
943	127	POL INTL	3127		
943	129	POL INTL	3129		
943	143	POL INTL	3143		
943	145	POL INTL	3145		
943	119g	POL INTL	4119	5119	
943	125g	POL INTL	4125	5125	
941	050	POL THRY	1050		
941	122	POL THRY	3122		
941	129	POL THRY	3129		
941	160	POL THRY	3160		
941	161	POL THRY	3161		
790	001	PORT	1001		
790	002	PORT	1002		
790	010	PORT	1010		
790	020	PORT	1020		
790	031	PORT	1031		
790	060	PORT	1060		
790	101g	PORT	3101	5101	
790	109	PORT	3109		
790	123g	PORT	3123	5123	

790	180g	PORT	3180	5180	
790	191	PORT	3191		
170	050	POSTSEC	1050		
170	055	POSTSEC	1055		
170	218	POSTSEC	6218		
170	222	POSTSEC	6222		
170	231	POSTSEC	6231		
170	250	POSTSEC	6250		
170	256	POSTSEC	6256		
170	260	POSTSEC	6260		
170	264	POSTSEC	6264		
170	266	POSTSEC	6266		
170	270	POSTSEC	6270		
170	285	POSTSEC	6285		
170	289	POSTSEC	6289		
170	290	POSTSEC	6290		
170	291	POSTSEC	6291		
170	299	POSTSEC	6299		
170	310	POSTSEC	7310		
170	311	POSTSEC	7311		<i>Same as 270:311 (EDLEAD 7311)</i>
170	389	POSTSEC	7389		
170	391	POSTSEC	7391		
170	397	POSTSEC	7397		
820	209	PSM	6100		
820	289	PSM	6289		
820	215	PSM	6300		
820	295	PSM	6950		
400	001	PSYCH	1001		
400	101	PSYCH	2002		
400	155	PSYCH	2101		
400	060	PSYCH	2201		
400	120	PSYCH	2202		
400	160	PSYCH	2203		
400	025	PSYCH	2301		
400	070	PSYCH	2302		
400	166	PSYCH	2401		
400	161	PSYCH	2402		
400	050	PSYCH	2501		
400	132	PSYCH	2601		
400	020	PSYCH	2701		
400	185	PSYCH	2703		
400	102	PSYCH	3003		
400	118g	PSYCH	3004	5004	
400	170g	PSYCH	3102	5102	
400	152g	PSYCH	3103	5103	
400	127g	PSYCH	3104	5104	
400	173g	PSYCH	3204	5204	
400	154g	PSYCH	3303	5303	
400	158g	PSYCH	3304	5304	
400	157g	PSYCH	3305	5305	
400	142g	PSYCH	3403	5403	
400	106g	PSYCH	3404	5404	
400	134g	PSYCH	3502	5502	
400	150g	PSYCH	3503	5503	
400	151g	PSYCH	3504	5504	
400	153g	PSYCH	3505	5505	
400	177	PSYCH	3602		<i>Same as 980:177 (SOC 3001) and 990:177 (ANTH 3001)</i>
400	125g	PSYCH	3603	5603	
400	163g	PSYCH	3605	5605	
400	162g	PSYCH	3606	5606	
400	198	PSYCH	4198		
400	149g	PSYCH	4604	5604	
400	164g	PSYCH	4607	5607	<i>Same as 990:164g (ANTH 3101/5101)</i>
400	167g	PSYCH	4608	5608	<i>Same as 980:167g (SOC 3411/5411) and 990:167g (ANTH 3411/5411)</i>

400	189g	PSYCH	4609	5609	
400	192g	PSYCH	4704	5704	
400	193g	PSYCH	4705	5705	
400	239	PSYCH	6001		
400	241	PSYCH	6002		
400	292	PSYCH	6003		
400	254	PSYCH	6005		
400	293	PSYCH	6006		
400	218	PSYCH	6201		
400	220	PSYCH	6202		
400	261	PSYCH	6203		
400	264	PSYCH	6204		
400	294	PSYCH	6205		
400	285	PSYCH	6285		
400	289	PSYCH	6289		
400	299	PSYCH	6299		
400	210	PSYCH	6301		
400	232	PSYCH	6302		
400	234	PSYCH	6303		
400	237	PSYCH	6304		
400	291	PSYCH	6305		
400	249	PSYCH	6401		
400	270	PSYCH	6402		
400	246	PSYCH	6403		
400	244	PSYCH	6404		
400	262	PSYCH	6405		
400	225	PSYCH	6406		
400	272	PSYCH	6407		
400	290	PSYCH	6408		
950	205	PUB POL	6205		
950	208	PUB POL	6208		
950	220	PUB POL	6220		
950	260	PUB POL	6260		
950	275	PUB POL	6275		
950	281	PUB POL	6281		
950	285	PUB POL	6285		
640	024	RELS	1020		
640	030	RELS	1030		
640	040	RELS	1510		
640	141	RELS	2010		
640	142	RELS	2020		
640	171	RELS	2510		
640	110	RELS	3010		
640	126	RELS	3020		
640	189g	RELS	3080	5080	
640	161	RELS	3103		<i>Same as 990:161 (ANTH 3103)</i>
640	194	RELS	3110		<i>Same as 650:194 (PHIL 3110) and CAP:194 (CAP 3194)</i>
640	130	RELS	3210		
640	132	RELS	3220		
640	134	RELS	3230		
640	136	RELS	3240		
640	138	RELS	3310		<i>Same as 680:138 (HUM 3138)</i>
640	140	RELS	3320		
640	173	RELS	3510		<i>Same as 650:173 (PHIL 3510) and CAP:173 (CAP 3173)</i>
640	175g	RELS	3520	5520	<i>Same as 650:175g (PHIL 3530/5530)</i>
640	174g	RELS	3540	5540	<i>Same as 150:174g (MGMT 3974/5974) and 650:174g (PHIL 3540/5540)</i>
640	197	RELS	3550		<i>Same as 650:197 (PHIL 3550)</i>
640	113g	RELS	4110	5110	<i>Same as 650:113g (PHIL 4110/5110)</i>
640	115g	RELS	4120	5120	
640	158g	RELS	4130	5130	
640	154g	RELS	4140	5140	
640	162g	RELS	4150	5150	
640	165g	RELS	4160	5160	
640	168g	RELS	4170	5170	

640	186g	RELS	4186	5186	
640	117g	RELS	4230	5230	Same as 961:145g (HISUS 4250/5250)
640	152g	RELS	4320	5320	Same as 650:152g (PHIL 4320/5320)
640	250	RELS	6010		Same as 650:250 (PHIL 6010)
300	130g	SAFETYED	4130	5130	
300	131g	SAFETYED	4131	5131	
300	132g	SAFETYED	4132	5132	
300	140g	SAFETYED	4140	5140	
300	192g	SAFETYED	4192	5192	
820	033	SCI ED	1100		
820	032	SCI ED	1200		
820	031	SCI ED	1300		
820	095	SCI ED	1600		
820	181	SCI ED	2300		
820	130g	SCI ED	3100	5100	
820	196	SCI ED	3200		
820	189	SCI ED	3250		
820	190g	SCI ED	3300	5300	
820	113g	SCI ED	3500	5500	
820	198	SCI ED	4198		
820	193g	SCI ED	4700	5700	
820	299	SCI ED	6299		
820	270	SCI ED	6400		
820	294	SCI ED	6600		
820	200	SCI ED	6700		
820	213	SCI ED	6800		
820	290	SCI ED	6900		
770	001	SLAV	1001		
770	002	SLAV	1002		
770	003	SLAV	1011		
770	004	SLAV	1012		
770	031	SLAV	1120		
770	011	SLAV	2001		
770	012	SLAV	2002		
770	013	SLAV	2011		
770	014	SLAV	2012		
770	091	SLAV	3091		
770	101g	SLAV	3101	5101	
770	103g	SLAV	3102	5102	
770	102g	SLAV	3111	5111	
770	104g	SLAV	3112	5112	
770	121g	SLAV	3121	5121	
770	122g	SLAV	3131	5131	
770	132g	SLAV	3132	5132	
770	134g	SLAV	3134	5134	
770	191	SLAV	4091		
770	141g	SLAV	4141	5141	
770	142g	SLAV	4142	5142	
770	196	SLAV	4196		
350	010	SLS	1010		
350	112	SLS	1112		
350	114g	SLS	4114	5114	
350	115g	SLS	4115	5115	
350	132g	SLS	4132	5132	
350	134g	SLS	4134	5134	
350	223	SLS	6223		
350	225	SLS	6225		
350	230	SLS	6230		
350	250	SLS	6250		
350	285	SLS	6285		
350	289	SLS	6289		
350	290	SLS	6290		
350	295	SLS	6295		
350	299	SLS	6299		

980	001	SOC	1000		
980	045	SOC	1045		Same as 450:045 (SW 2045) and 900:045 (SOC SCI 1045)
980	060	SOC	1060		
980	108	SOC	2010		
980	080	SOC	2020		
980	102	SOC	2090		Same as 450:102 (SW 3102) and 990:102 (ANTH 2090)
980	177	SOC	3001		Same as 400:177 (PSYCH 3602) and 990:177 (ANTH 3001)
980	105g	SOC	3030	5030	
980	125g	SOC	3035	5035	
980	156g	SOC	3040	5040	
980	135g	SOC	3045	5045	
980	129g	SOC	3050	5050	
980	138g	SOC	3060	5060	
980	118g	SOC	3065	5065	
980	170g	SOC	3070	5070	
980	100g	SOC	3075	5075	
980	120g	SOC	3080	5080	Same as 990:120g (ANTH 3080/5080)
980	172g	SOC	3085	5085	
980	184g	SOC	3100	5100	
980	168g	SOC	3102	5102	Same as 990:168g (ANTH 3102/5102)
980	145g	SOC	3120	5120	
980	189g	SOC	3130	5130	
980	180g	SOC	3170	5170	
980	179	SOC	3179		
980	167g	SOC	3411	5411	Same as 400:167g (PSYCH 4608/5608) and 990:167g (ANTH 3411/5411)
980	178g	SOC	4015	5015	Same as 990:178g (ANTH 4015/5015)
980	160g	SOC	4025	5025	
980	101	SOC	4050		
980	171g	SOC	4071	5071	
980	198	SOC	4198		
980	211	SOC	6000		
980	212	SOC	6005		
980	201	SOC	6020		
980	260	SOC	6026		
980	278	SOC	6035		
980	200	SOC	6070		
980	280	SOC	6170		
980	285	SOC	6285		
980	297	SOC	6297		
980	299	SOC	6299		
900	020	SOC SCI	1020		
900	023	SOC SCI	1023		
900	041	SOC SCI	1041		Same as 450:041 (SW 1041)
900	045	SOC SCI	1045		Same as 450:045 (SW 2045) and 980:045 (SOC 1045)
900	190	SOC SCI	4190		
900	191	SOC SCI	4191		
900	199g	SOC SCI	4199	5199	
900	297	SOC SCI	6297		
900	299	SOC SCI	6299		
260	119	SOCFOUND	3119		
260	134g	SOCFOUND	4134	5134	
260	234	SOCFOUND	6234		
260	299	SOCFOUND	6299		
780	001	SPAN	1001		
780	002	SPAN	1002		
780	011	SPAN	2001		
780	055	SPAN	2002		
780	053	SPAN	2053		
780	100	SPAN	3000		
780	101	SPAN	3001		
780	102g	SPAN	3002	5002	
780	103	SPAN	3003		
780	104	SPAN	3004		
780	105	SPAN	3005		

780	107	SPAN	3007		
780	108g	SPAN	3008	5008	
780	112	SPAN	3012		
780	118	SPAN	3018		
780	120	SPAN	3020		
780	123	SPAN	3023		
780	127	SPAN	3027		
780	131	SPAN	3031		
780	135	SPAN	3035		
780	150g	SPAN	3050	5050	
780	151g	SPAN	3051	5051	
780	152g	SPAN	3052	5052	
780	184g	SPAN	3084	5084	
780	141g	SPAN	4041	5041	
780	143g	SPAN	4043	5043	
780	145g	SPAN	4045	5045	
780	146g	SPAN	4046	5046	
780	147g	SPAN	4047	5047	
780	162g	SPAN	4062	5062	
780	163g	SPAN	4063	5063	
780	164g	SPAN	4064	5064	
780	166g	SPAN	4066	5066	
780	191	SPAN	4091		
780	201	SPAN	6001		
780	221	SPAN	6021		
780	231	SPAN	6031		
780	235	SPAN	6035		
780	240	SPAN	6040		
780	241	SPAN	6041		
780	245	SPAN	6045		
780	252	SPAN	6052		
780	260	SPAN	6060		
780	261	SPAN	6061		
780	262	SPAN	6062		
780	284	SPAN	6084		
780	289	SPAN	6289		
220	150	SPED	3150		
220	125g	SPED	4125	5125	
220	126g	SPED	4126	5126	
220	132g	SPED	4132	5132	
220	134g	SPED	4134	5134	
220	136g	SPED	4136	5136	
220	138g	SPED	4138	5138	
220	140g	SPED	4140	5140	
220	141g	SPED	4141	5141	
220	142g	SPED	4142	5142	
220	143g	SPED	4143	5143	
220	146g	SPED	4146	5146	
220	147g	SPED	4147	5147	
220	151g	SPED	4151	5151	
220	152g	SPED	4152	5152	
220	153g	SPED	4153	5153	
220	167g	SPED	4167	5167	
220	170g	SPED	4170	5170	
220	174g	SPED	4174	5174	
220	183g	SPED	4183	5183	
220	184g	SPED	4184	5184	
220	185g	SPED	4185	5185	
220	187g	SPED	4187	5187	
220	192g	SPED	4192	5192	
220	240	SPED	6240		
220	245	SPED	6245		
220	254	SPED	6254		
220	256	SPED	6256		

220	260	SPED	6260		
220	278	SPED	6278		
220	289	SPED	6289		
220	290	SPED	6290		
220	293	SPED	6293		
220	295	SPED	6295		
220	299	SPED	6299		
220	386	SPED	7386		
800	072	STAT	1772		
800	064	STAT	1774		
800	173	STAT	3751		<i>Same as 800:173 (MATH 3751)</i>
800	152g	STAT	3752	5752	<i>Same as 800:152g (MATH 3752/5752)</i>
800	172g	STAT	3770	5770	
800	121g	STAT	3771	5771	
800	174g	STAT	3775	5775	
800	175g	STAT	3776	5776	
800	171g	STAT	3778	5778	<i>Same as 970:160g (GEOG 4340/5340)</i>
800	154g	STAT	4754	5754	<i>Same as 800:154g (MATH 4754/5754)</i>
800	122g	STAT	4772	5772	
800	123g	STAT	4773	5773	
800	157g	STAT	4777	5777	
800	196g	STAT	4779	5779	
800	251	STAT	6746		<i>Same as 800:251 (MATH 6746)</i>
800	252	STAT	6747		<i>Same as 800:252 (MATH 6747)</i>
800	253	STAT	6748		<i>Same as 800:253 (MATH 6748)</i>
800	272	STAT	6772		
800	273	STAT	6779		<i>Same as 800:273 (MATH 6779)</i>
450	041	SW	1041		<i>Same as 900:041 (SOC SCI 1041)</i>
450	042	SW	2042		
450	045	SW	2045		<i>Same as 900:045 (SOC SCI 1045) and 980:045 (SOC 1045)</i>
450	080	SW	2080		
450	091	SW	2091		
450	102	SW	3102		<i>Same as 980:102 (SOC 2090) and 990:102 (ANTH 2090)</i>
450	184	SW	3184		
450	185	SW	3185		
450	189	SW	3189		
450	192	SW	3192		
450	121g	SW	4121	5121	
450	142g	SW	4142	5142	
450	143g	SW	4143	5143	
450	144g	SW	4144	5144	
450	163g	SW	4163	5163	
450	164g	SW	4164	5164	
450	171g	SW	4171	5171	
450	172g	SW	4172	5172	
450	173g	SW	4173	5173	
450	175g	SW	4175	5175	
450	190	SW	4190		
450	193g	SW	4193	5193	
450	194g	SW	4194	5194	
450	195g	SW	4195	5195	
450	196g	SW	4196	5196	
450	210	SW	6210		
450	211	SW	6211		
450	212	SW	6212		
450	213	SW	6213		
450	214	SW	6214		
450	215	SW	6215		
450	216	SW	6216		
450	218	SW	6218		
450	219	SW	6219		
450	230	SW	6230		
450	239	SW	6239		
450	240	SW	6240		

450	241	SW	6241		
450	242	SW	6242		
450	243	SW	6243		
450	244	SW	6244		
450	250	SW	6250		
450	255	SW	6255		
450	260	SW	6260		
450	261	SW	6261		
450	262	SW	6262		
450	263	SW	6263		
450	264	SW	6264		
450	280	SW	6280		
450	285	SW	6285		
450	289	SW	6289		
280	132	TEACHING	3132		
280	134	TEACHING	3134		
280	135	TEACHING	3135		
280	137	TEACHING	3137		
280	138	TEACHING	3138		
280	139	TEACHING	3139		
280	140	TEACHING	3140		
280	150	TEACHING	3150		
280	151	TEACHING	3151		
280	170g	TEACHING	4170	5170	
280	191g	TEACHING	4191	5191	
280	250	TEACHING	6250		
330	008	TECH	1008		
330	010	TECH	1010		
330	017	TECH	1017		
330	018	TECH	1018		
330	019	TECH	1019		
330	022	TECH	1022		
330	024	TECH	1024		
330	025	TECH	1025		
330	037	TECH	1037		
330	039	TECH	1039		
330	040	TECH	1040		
330	055	TECH	1055		
330	065	TECH	1065		
330	115	TECH	1115		
330	144	TECH	1144		
330	169	TECH	1169		
330	020	TECH	2020		
330	023	TECH	2024		
330	036	TECH	2036		
330	038	TECH	2038		
330	041	TECH	2041		
330	042	TECH	2042		
330	043	TECH	2043		
330	045	TECH	2045		
330	060	TECH	2060		
330	070	TECH	2070		
330	072	TECH	2072		
330	080	TECH	2080		
330	096	TECH	2096		
330	119	TECH	2119		
330	142	TECH	2142		
330	152	TECH	2152		
330	156	TECH	2156		
330	196	TECH	2196		
330	101g	TECH	3101	5101	
330	102	TECH	3102		Same as CAP:102 (CAP 3102)
330	113	TECH	3113		
330	114	TECH	3114		

330	120	TECH	3120		
330	121g	TECH	3121	5121	
330	122g	TECH	3122	5122	
330	124	TECH	3124		
330	125g	TECH	3125	5125	
330	126g	TECH	3126	5126	
330	127	TECH	3127		
330	128	TECH	3128		
330	129g	TECH	3129	5129	
330	131g	TECH	3131	5131	
330	132	TECH	3132		
330	134	TECH	3134		
330	135g	TECH	3135	5135	
330	145	TECH	3145		
330	147	TECH	3147		
330	148	TECH	3148		
330	149	TECH	3149		
330	150g	TECH	3150	5150	
330	157g	TECH	3157	5157	
330	160g	TECH	3160	5160	
330	163g	TECH	3163	5163	
330	164g	TECH	3164	5164	
330	166g	TECH	3166	5166	
330	168g	TECH	3168	5168	
330	177g	TECH	3177	5177	
330	181g	TECH	3181	5181	
330	182g	TECH	3182	5182	
330	183	TECH	3183		
330	188g	TECH	3188	5188	
330	190g	TECH	3190	5190	
330	191g	TECH	3191	5191	
330	192g	TECH	3192	5192	
330	193g	TECH	3193	5193	
330	180	TECH	4080		
330	100	TECH	4100		
330	103g	TECH	4103	5103	
330	104g	TECH	4104	5104	
330	112	TECH	4112		
330	136	TECH	4136		
330	137	TECH	4137		
330	153g	TECH	4153	5153	
330	154g	TECH	4154	5154	
330	155g	TECH	4155	5155	
330	158g	TECH	4158	5158	
330	161g	TECH	4161	5161	
330	165g	TECH	4165	5165	
330	167g	TECH	4167	5167	
330	173g	TECH	4173	5173	
330	174	TECH	4174		
330	175g	TECH	4175	5175	
330	176	TECH	4176		
330	178g	TECH	4178	5178	
330	185g	TECH	4185	5185	
330	187g	TECH	4187	5187	
330	194g	TECH	4194	5194	
330	195g	TECH	4195	5195	
330	197	TECH	4197		
330	198	TECH	4198		
330	200	TECH	6200		
330	225	TECH	6225		
330	231	TECH	6231		
330	234	TECH	6234		
330	235	TECH	6235		
330	242	TECH	6242		

330	244	TECH	6244		
330	248	TECH	6248		
330	250	TECH	6250		
330	258	TECH	6258		
330	262	TECH	6262		
330	265	TECH	6265		
330	273	TECH	6273		
330	275	TECH	6275		
330	282	TECH	6282		
330	283	TECH	6283		
330	284	TECH	6284		
330	288	TECH	6288		
330	290	TECH	6290		
330	291	TECH	6291		
330	292	TECH	6292		
330	294	TECH	6294		
330	295	TECH	6295		
330	296	TECH	6296		
330	299	TECH	6299		
330	300	TECH	7300		
330	375	TECH	7375		
330	376	TECH	7376		
330	377	TECH	7377		
330	378	TECH	7378		
330	388	TECH	7388		
330	399	TECH	7399		
630	130g	TESOL	4110	5110	
630	125g	TESOL	4120	5120	
630	143g	TESOL	4140	5140	
630	198	TESOL	4198		
630	195g	TESOL	4310	5310	
630	192g	TESOL	4340	5340	
630	154g	TESOL	4350	5350	
630	165g	TESOL	4510	5510	
630	163g	TESOL	4520	5520	
630	160g	TESOL	4540	5540	
630	190g	TESOL	4710	5710	
630	196g	TESOL	4720	5720	
630	193g	TESOL	4740	5740	
630	194g	TESOL	4760	5760	
630	201	TESOL	6100		
630	289	TESOL	6289		
630	297	TESOL	6297		
630	299	TESOL	6299		
630	292	TESOL	6510		
630	240	TESOL	6740		
630	295	TESOL	6760		
31T	020	TEXDSGN	1001		
31T	013	TEXDSGN	1002		
31T	012	TEXDSGN	1003		
31T	015	TEXDSGN	1017		
31T	116	TEXDSGN	2004		
31T	121	TEXDSGN	2005		
31T	011	TEXDSGN	2006		
31T	014	TEXDSGN	2007		
31T	100	TEXDSGN	3008		
31T	123	TEXDSGN	3009		
31T	124	TEXDSGN	3010		
31T	119	TEXDSGN	3011		
31T	122	TEXDSGN	3012		
31T	185	TEXDSGN	3013		
31T	114g	TEXDSGN	4015	5015	
31T	115g	TEXDSGN	4016	5016	
31T	184g	TEXDSGN	4184	5184	

31T	192g	TEXDSGN	4192	5192	
31T	194g	TEXDSGN	4194	5194	
31T	195	TEXDSGN	4195		
31T	198	TEXDSGN	4198		
490	002	THEATRE	1002		
490	010	THEATRE	1010		
490	011	THEATRE	1011		
490	015	THEATRE	1012		
490	016	THEATRE	1015		
490	020	THEATRE	1020		
490	024	THEATRE	1030		
490	101	THEATRE	1100		
490	138	THEATRE	2020		
490	027	THEATRE	2030		
490	040	THEATRE	2040		
490	050	THEATRE	2050		
490	056	THEATRE	2055		
490	121	THEATRE	2120		
490	122	THEATRE	2130		
490	140	THEATRE	2140		
490	151g	THEATRE	3050	5050	
490	135	THEATRE	3060		
490	136	THEATRE	3070		
490	137g	THEATRE	3080	5080	
490	106	THEATRE	3100		<i>Same as CAP:106 (CAP 3106)</i>
490	104g	THEATRE	3110	5110	
490	109	THEATRE	3115		
490	126g	THEATRE	3120	5120	
490	127g	THEATRE	3125	5125	
490	128	THEATRE	3130		
490	129g	THEATRE	3135	5135	
490	141	THEATRE	3140		
490	142	THEATRE	3145		
490	143	THEATRE	3150		
490	144g	THEATRE	3155	5155	
490	161	THEATRE	3160		
490	170	THEATRE	3170		
490	155g	THEATRE	3180	5180	
490	157g	THEATRE	3190	5190	
490	168g	THEATRE	3195	5195	
490	199	THEATRE	3199		
490	158g	THEATRE	3200	5200	
490	166g	THEATRE	4166	5166	
490	285	THEATRE	6285		
490	289	THEATRE	6289		
490	299	THEATRE	6299		
010	092	UNIV	1092		
010	196	UNIV	2196		
010	197	UNIV	4197		
XXX	19P	UNIV	119P		
680	040	WGS	1040		
900	195	WGS	3195		
900	150	WGS	4150		
680	289	WGS	6289		
680	290	WGS	6290		

2010-2012 UNI Catalog
010 University, Interdisciplinary (UNIV)

010:092. Presidential Scholars Seminar -- 1-3 hrs.

(UNIV 1092)

For Presidential Scholars only. Credit and topic listed in the Schedule of Classes. May be repeated in a different topic. (Variable)

010:196. Honors Seminar -- 3 hrs.

(UNIV 2196)

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)

010:197. Honors Thesis -- 1-3 hrs.

(UNIV 4197)

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)

2010-2012 UNI Catalog 080 Military Science (MIL SCI)

Basic Courses - 080:091 through 080:098

Advanced Courses - 080:116 through 080:192

080:091. Leadership and Personal Development -- 1 hr.

(MIL SCI 1091)

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. (Offered Fall)

080:092. Introduction to Tactical Leadership -- 1 hr.

(MIL SCI 1092)

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. (Offered Spring)

080:093. Foundations of Tactical Leadership -- 2 hrs.

(MIL SCI 1094)

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. (Offered Spring)

080:094. Innovative Team Leadership -- 2 hrs.

(MIL SCI 1093)

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. (Offered Fall)

080:095. Military Survival Skills -- 2 hrs.

(MIL SCI 1095)

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. (Offered Fall and Spring)

080:098. Military Science Leadership Practicum -- 4-6 hrs.

(MIL SCI 1098)

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. (Offered Summer)

080:116. Adaptive Tactical Leadership -- 3 hrs.

(MIL SCI 3116)

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. (Offered Fall)

080:117. Leadership in Changing Environments -- 3 hrs.

(MIL SCI 3117)

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. (Offered Spring)

080:118. Developing Adaptive Leaders -- 3 hrs.

(MIL SCI 3118)

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. (Offered Fall)

080:119. Leadership in a Complex World -- 3 hrs.

(MIL SCI 3119)

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. (Offered Spring)

080:189. Readings in Contemporary Military Issues -- 1-6 hrs.

(MIL SCI 3189)

Individualized list of selected readings in an area of emphasis. Prerequisite(s): departmental approval. (Offered Fall, Spring, and Summer)

080:192. Leadership Practicum -- 4-6 hrs.

(MIL SCI 3192)

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. (Offered Summer)

2010-2012 UNI Catalog**100 Business Administration, Interdepartmental (BUSINESS)****100:010. All About Business -- 0 hrs.**

(BUSINESS 1000)

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. (Offered Fall and Spring)

100:020. Business Professional in Training -- 0 hrs.

(BUSINESS 2000)

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. Prerequisite(s): 100:010 (BUSINESS 1000) or consent of CBA advisor; pre- or declared business majors only. (Offered Fall and Spring)

100:040. Financial Fundamentals for Entrepreneurs -- 3 hrs.

(BUSINESS 1010)

Essential accounting and finance preparation for entrepreneurial endeavors. Those with credit in 120:030 (ACCT 2120) and 160:151 (FIN 3130/FIN 5130) may have this course waived. Does not substitute for 120:030 (ACCT 2120) or 160:151 (FIN 3130/FIN 5130). Those with credit in 120:030 (ACCT 2120) may not earn credit for this course. Prerequisite(s): 920:024 (ECON 1031). (Offered Fall)

100:110. Intermediate Professional Skills -- 0 hrs.

(BUSINESS 3000)

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. Prerequisite(s): 100:010 (BUSINESS 1000); 100:020 (BUSINESS 2000) or consent of CBA advisor; may be repeated in subsequent semester; business majors only; junior standing. (Offered Fall and Spring)

100:120. Advanced Professional Skills -- 0 hrs.

(BUSINESS 4000)

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. Prerequisite(s): 100:010 (BUSINESS 1000); 100:020 (BUSINESS 2000); two semesters of 100:110 (BUSINESS 3000) or consent of CBA advisor; may be repeated in subsequent semesters; business majors only; senior standing. (Offered Fall and Spring)

100:155. Socio-Economic Reality of Central America -- 2 hrs.

(BUSINESS 3155)

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:155 (CAP 3155)*) (Offered Fall and Spring)

100:169. International Experience -- 0 hrs.

(BUSINESS 3169)

The successful completion of an approved study abroad experience, or a departmental internship or cooperative education experience that includes a significant international component. Prerequisite(s): consent of instructor. (Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog 120 Accounting (ACCT)

No upper level (100/3000-level and above) accounting courses may be taken on a credit/no credit basis without written consent of the department head or director of the MAcc, except 120:169, 120:170, 120:179, and 120:269.

120:030. Principles of Financial Accounting -- 3 hrs.

(ACCT 2120)

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 120:030 (ACCT 2120) nor 120:031 (ACCT 2130) may be repeated. Prerequisite(s): sophomore standing. (Offered Fall, Spring, and Summer)

120:031. Principles of Managerial Accounting -- 3 hrs.

(ACCT 2130)

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 120:030 (ACCT 2120) nor 120:031 (ACCT 2130) may be repeated. Prerequisite(s): C- or better in 120:030 (ACCT 2120); sophomore standing. (Offered Fall, Spring, and Summer)

120:129. Intermediate Accounting I -- 3 hrs.

(ACCT 3120)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); junior standing. (Offered Fall, Spring, and Summer)

120:130. Intermediate Accounting II -- 3 hrs.

(ACCT 3122)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 120:129 (ACCT 3120); junior standing. (Offered Fall, Spring, and Summer)

120:131. Cost Accounting -- 3 hrs.

(ACCT 3130)

Management use of accounting data to aid in product costing, performance measurement, budgeting, and other operating decisions. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); junior standing. (Offered Fall and Spring)

120:132. Income Tax -- 3 hrs.

(ACCT 4150)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 120:129 (ACCT 3120); junior standing. (Offered Fall and either Spring or Summer)

120:134. Auditing -- 3 hrs.

(ACCT 4160)

Principles, practices, and procedures used to determine reliability of financial records and statements. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 120:129 (ACCT 3120); 120:130 (ACCT 3122); junior standing. (Offered Fall and Spring)

120:135(g). Advanced Accounting -- 3 hrs.

(ACCT 4025/ACCT 5025)

Accounting for business combinations, foreign currency translation, consolidations, and derivatives and hedging. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 120:129 (ACCT 3120); 120:130 (ACCT 3122); junior standing. (Offered Fall and Spring)

120:136. Accounting Information Systems -- 3 hrs.

(ACCT 3140)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 120:129 (ACCT 3120); 150:080 (MGMT 2080); junior standing. (Offered Fall and Spring)

120:139(g). Government and Not-for-Profit Accounting -- 3 hrs.

(ACCT 4070/ACCT 5070)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 120:129 (ACCT 3120); 120:130 (ACCT 3122); junior standing. (Offered Fall and Spring)

120:141(g). Advanced Cost Accounting -- 3 hrs.

(ACCT 4032/ACCT 5032)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 120:131 (ACCT 3130); junior standing. (Variable)

120:142. Advanced Income Tax -- 3 hrs.

(ACCT 4052)

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): 120:132 (ACCT 4150); junior standing. (Offered Spring)

120:144. VITA: Individual Income Tax Preparation -- 2 hrs.

(ACCT 3055)

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): 120:132 (ACCT 4150). (Offered Spring)

120:145(g). Principles of Fraud Examination -- 3 hrs.

(ACCT 4065/ACCT 5065)

Examination of motivation, prevention, detection, investigation, and resolution of fraud. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 120:129 (ACCT 3120); 120:130 (ACCT 3122); 120:134 (ACCT 4160); 120:136 (ACCT 3140); 150:080 (MGMT 2080); junior standing. (Offered Fall and Spring)

120:148. C.P.A. Review -- 3 hrs.

(ACCT 4080)

Designed to aid candidates in developing approaches to solutions of problems and answers to questions in the CPA examinations. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 120:129 (ACCT 3120); 120:130 (ACCT 3122); 120:134 (ACCT 4160); junior standing. (Offered Spring)

120:149. Regulation Review -- 3 hrs.

(ACCT 4082)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 120:129 (ACCT 3120); 120:130 (ACCT 3122); 120:134 (ACCT 4160); 150:101 (MGMT 3101); 150:102 (MGMT 3102); 120:201 (ACCT 6170) may replace 150:101 (MGMT 3101) and 150:102 (MGMT 3102); junior standing or admission to the MAcc program. (Formerly 150:104) (Offered Spring)

120:150. Auditing Review -- 1 hr.

(ACCT 4084)

Intensive review of auditing concepts to prepare accounting students for the Auditing section of the CPA examination. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 120:129 (ACCT 3120); 120:130 (ACCT 3122); 120:134 (ACCT 4160); junior standing. (Offered Spring)

120:169. Internship -- Accounting -- 2-8 hrs.

(ACCT 3090)

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. (Offered Fall, Spring, and Summer)

120:170(g). Special Problems -- Accounting -- 1-3 hrs.

(ACCT 3092/ACCT 5092)

Directed readings, reports, and/or projects. Offered on credit/no credit basis only. Prerequisite(s): junior standing; consent of department head. (Offered Fall, Spring, and Summer)

120:179. Cooperative Education in Accounting -- 1-3 hrs.

(ACCT 3179)

Offered on credit/no credit basis only. May be repeated for maximum of 6 hours. (Offered Fall, Spring, and Summer)

120:185. Individual Readings -- 1-3 hrs.

(ACCT 3094)

Directed readings and reports. May be repeated for maximum of 6 hours. Prerequisite(s): consent of department head or MAcc coordinator. (Offered Fall, Spring, and Summer)

120:201. Business Law for the Professional Accountant -- 3 hrs.

(ACCT 6170)

Topics necessary for accounting professionals including contracts, UCC, commercial paper, secured transactions, and bankruptcy. Prerequisite(s): admission to MAcc program. (*Formerly 150:201*) (Offered Fall)

120:214. Applied Professional Research -- 3 hrs.

(ACCT 6175)

Study and application of research methods for accounting professionals in financial accounting, auditing, and tax with emphasis on communication and analytic skills. Prerequisite(s): 120:132 (ACCT 4150); 120:134 (ACCT 4160); admission to MAcc program. (Offered Fall)

120:229. Financial Accounting Theory and Analysis -- 3 hrs.

(ACCT 6120)

In-depth review and analysis of theoretical foundations of corporate financial reporting. Prerequisite(s): admission to MAcc program. (Offered Fall)

120:236. Advanced Accounting Systems -- 3 hrs.

(ACCT 6140)

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): 120:136 (ACCT 3140); 150:080 (MGMT 2080); admission to MAcc program. (Offered Fall)

120:240. Advanced Auditing -- 3 hrs.

(ACCT 6060)

Examination of selected professional issues that will be confronted in practice. Specific topical coverage will vary as contemporary issues emerge. Prerequisite(s): 120:134 (ACCT 4160); admission to MAcc program. (Variable)

120:242. Advanced Tax Topics -- 3 hrs.

(ACCT 6052)

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): 120:132 (ACCT 4150); admission to MAcc program. (Offered Spring)

120:262. Managerial Accounting -- 3 hrs.

(ACCT 6030)

Use of accounting data in managerial decision-making process and in the analysis and control of business operations. Prerequisite(s): 120:030 (ACCT 2120) or equivalent; consent of MBA Director or MAcc Director. (Offered Fall)

120:263. Cost Management -- 3 hrs.

(ACCT 6032)

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): 120:131 (ACCT 3130); admission to MAcc program. (Variable)

120:269. Graduate Internship in Accounting -- 1-6 hrs.

(ACCT 6090)

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. (Offered Fall, Spring, and Summer)

120:280. Topics in Accounting -- 1-3 hrs.

(ACCT 6092)

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)

120:285. Individual Readings -- 1-4 hrs.

(ACCT 6285)

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. (Offered Fall, Spring, and Summer)

120:289. Seminar in Contemporary Issues in Accounting -- 3 hrs.

(ACCT 6289)

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)

120:299. Research -- 1-6 hrs.

(ACCT 6299)

Prerequisite(s): consent of MBA Director and department head, or consent of MAcc Coordinator. (Offered Fall, Spring, and Summer)

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130 Marketing (MKTG)

130:101. Principles of Marketing -- 3 hrs.

(MKTG 2110)

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): 920:024 (ECON 1031) or 920:053 (ECON 1041). (Offered Fall, Spring, and Summer)

130:106(g). Consumer Behavior -- 3 hrs.

(MKTG 3113/MKTG 5113)

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): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Fall, Spring, and Summer)

130:108(g). Marketing Research -- 3 hrs.

(MKTG 3116/MKTG 5116)

Procedures used in defining a marketing problem and carrying out the research necessary for its proper solution. Prerequisite(s): 130:101 (MKTG 2110); 150:080 (MGMT 2080); 800:072 (STAT 1772) or equivalent; 920:020 (ECON 1021); 920:024 (ECON 1031) or 920:053 (ECON 1041); 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

130:131. New Product Management -- 3 hrs.

(MKTG 3173)

Study of the "Product" marketing mix element, with focus on new product development, from idea generation through commercialization. Prerequisite(s): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Fall)

130:142. Pricing -- 3 hrs.

(MKTG 3595)

Study of price as one of the major components of marketing, from economic, psychological, and sociological perspectives. Prerequisite(s): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Spring)

130:150. Advertising and Promotion -- 3 hrs.

(MKTG 3143)

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): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Fall and Spring)

130:153. Personal Selling and Sales Management -- 3 hrs.

(MKTG 3153)

Study of the trust-based sales process of identifying buyer needs; problem-solving systems selling approach; enhancement of long-term customer relationships; and management of personal selling activities. Prerequisite(s): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Fall and Spring)

130:160. Interactive Marketing -- 3 hrs.

(MKTG 3146)

Study of electronic marketing communications; utilizing search engines and utilizing and creating databases; customer relationship management. Prerequisite(s): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Fall)

130:161. Distribution and Logistics -- 3 hrs.

(MKTG 3163)

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): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Fall)

130:166. Retail Management -- 3 hrs.

(MKTG 3166)

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): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Spring)

130:169. Internship-Marketing -- 2-8 hrs.

(MKTG 4595)

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): 130:101 (MKTG 2110); 130:106 (MKTG 3113/MKTG 5113); 130:108 (MKTG 3116/MKTG 5116); 150:080 (MGMT 2080); 800:072 (STAT 1772) or equivalent; 920:020 (ECON 1021); 920:024 (ECON 1031) or 920:053 (ECON 1041); 920:070 (ECON 1011); UNI cumulative GPA of 2.50 or better; senior standing; consent of department head. (Offered Fall, Spring, and Summer)

130:170(g). Entrepreneurship -- 3 hrs.

(MKTG 3583/MKTG 5583)

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. Prerequisite(s): 100:040 (BUSINESS 1010) or 120:030 (ACCT 2120); 120:031 (ACCT 2130); prerequisite or corequisite 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent, and 920:070 (ECON 1011); 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041) and 920:054 (ECON 1051)); junior standing. (Offered Fall)

130:175(g). New Venture Development and Management -- 3 hrs.

(MKTG 3586/MKTG 5586)

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. Prerequisite(s): 100:040 (BUSINESS 1010) or 120:030 (ACCT 2120); 120:031 (ACCT 2130); prerequisite or corequisite 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent, and 920:070 (ECON 1011); 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041) and 920:054 (ECON 1051)); junior standing. (Offered Spring)

130:177(g). Global Marketing -- 3 hrs.

(MKTG 3176/MKTG 5176)

Marketing practices and trends in businesses serving foreign markets. Prerequisite(s): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Fall and Spring)

130:178. Services Marketing -- 3 hrs.

(MKTG 3156)

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): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing. (Offered Fall and Spring)

130:179. Cooperative Education in Marketing -- 1-6 hrs.

(MKTG 3179)

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): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); UNI cumulative GPA of 2.50 or better; consent of department head. (Offered Fall, Spring, and Summer)

130:191(g). Marketing Strategy -- 3 hrs.

(MKTG 4170/MKTG 5170)

Integration of major marketing functions from a managerial perspective. Emphasis on developing marketing strategies and applying strategic marketing decisions. Prerequisite(s): 130:101 (MKTG 2110); 130:106 (MKTG 3113/MKTG 5113); 130:108 (MKTG 3116/MKTG 5116); 150:080 (MGMT 2080); 800:072 (STAT 1772) or equivalent; 920:020 (ECON 1021); 920:024 (ECON 1031) or 920:053 (ECON 1041); 920:070 (ECON 1011); senior standing. (Offered Fall and Spring)

130:197(g). Experiential Learning in Entrepreneurship -- 3 hrs.

(MKTG 3589/MKTG 5589)

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): 100:040 (BUSINESS 1010); 130:101 (MKTG 2110); 130:170 (MKTG 3583/MKTG 5583); 920:024 (ECON 1031); junior standing. Requires approval of T. Wayne Davis Chair of Entrepreneurship or Marketing Department Head. (Variable)

130:198. Independent Study -- 1-6 hrs.

(MKTG 4198)

Not accepted for credit toward the Marketing major, but can be used as a university elective. Prerequisite(s): 130:101 (MKTG 2110); 920:024 (ECON 1031) or 920:053 (ECON 1041); junior standing; consent of department head. (Offered Fall, Spring, and Summer)

130:263. Marketing Management -- 3 hrs.

(MKTG 6170)

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. (Offered in MBA Module II - begins mid-November and ends mid-February)

130:280. Topics in Marketing -- 1-3 hrs.

(MKTG 6595)

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)

130:285. Individual Readings -- 1-3 hrs.

(MKTG 6285)

May be repeated for maximum of 4 hours. Prerequisite(s): consent of department head and MBA Director. (Offered Fall, Spring, and Summer)

130:297. Practicum -- 1-3 hrs.

(MKTG 6297)

Prerequisite(s): consent of department head and MBA Director. (Offered Fall, Spring, and Summer)

130:299. Research -- 1-6 hrs.

(MKTG 6299)

Prerequisite(s): consent of department head and MBA Director. (Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog 150 Management (MGMT)

150:032. Business Application Development I -- 3 hrs.

(MGMT 2032)

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): 150:080 (MGMT 2080). (Offered Fall and Spring)

150:034. Business Application Development II -- 3 hrs.

(MGMT 2034)

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): 150:032 (MGMT 2032); 150:080 (MGMT 2080). (Offered Fall and Spring)

150:080. Introduction to Information Systems -- 3 hrs.

(MGMT 2080)

Introduction to management information systems. Includes introduction to hardware and data communication technology, software and data management, and business applications of the technology. (Offered Fall, Spring, and Summer)

150:091. Introduction to Curriculum and Methods for Business Education -- 1 hr.

(MGMT 2091)

Introduction to secondary level business curriculum. (Offered Fall and Spring)

150:100. Legal and Social Environment of Business -- 3 hrs.

(MGMT 3100)

Introduction to law. Contracts, torts, business ethics, government regulation of business; includes administrative, antitrust, discrimination, international, and product liability law. Prerequisite(s): junior standing. (Offered Fall, Spring, and Summer)

150:101. Business Law I -- 3 hrs.

(MGMT 3101)

Study of the common law of contracts and Article II of the Uniform Commercial Code. Prerequisite(s): junior standing. (Offered Fall and Spring)

150:102. Business Law II -- 2 hrs.

(MGMT 3102)

Commercial paper, secured transactions, bankruptcy, partnerships, and corporations. Prerequisite(s): junior standing. (Offered Fall and Spring)

150:105(g). Employment and Labor Law -- 3 hrs.

(MGMT 3905/MGMT 5905)

Legal and practical examination of employee selection, dismissal, discrimination, health and safety, labor relations and associated human resource management issues. Prerequisite(s): 150:100 (MGMT 3100) or 150:101 (MGMT 3101) or equivalent; junior standing. (Offered Fall)

150:112. Systems Analysis and Design -- 3 hrs.

(MGMT 3112)

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): 150:032 (MGMT 2032); junior standing. (Offered Spring)

150:113. Business Communication -- 3 hrs.

(MGMT 3113)

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): 620:005 (ENGLISH 1005) or 620:015 (ENGLISH 2015); junior standing. (Offered Fall and Spring)

150:114(g). Communication Management -- 3 hrs.

(MGMT 3914/MGMT 5914)

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): 620:005 (ENGLISH 1005) or 620:015 (ENGLISH 2015); junior standing. (Variable)

150:116(g). Human Resource Development -- 3 hrs.

(MGMT 3916/MGMT 5916)

Focus on strategic, administrative aspects of human resource development (HRD). Use of HRD processes and programs, including skills and technical programs, to provide an applied perspective. Prerequisite(s): junior standing. (Offered Fall)

150:117. Field Experience in Business Teaching -- 1 hr.

(MGMT 3117)

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): 200:017 (EDPSYCH 2017); 200:030 (EDPSYCH 2030); 200:128 (EDPSYCH 3128); 200:148 (EDPSYCH 3148); 250:150 (MEASRES 3150) (Level II of Professional Education Sequence); junior standing. Corequisite(s): 150:191 (MGMT 3191). (Offered Spring)

150:119(g). Leadership and Human Relations -- 3 hrs.

(MGMT 3919/MGMT 5919)

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. (Offered Fall and Spring)

150:120. Database Management and Theory -- 3 hrs.

(MGMT 3120)

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): 150:032 (MGMT 2032); 150:034 (MGMT 2034); 150:080 (MGMT 2080); junior standing. Prerequisite(s) or corequisite(s): 150:112 (MGMT 3112). (Offered Fall)

150:125. Information Systems Development Projects -- 3 hrs.

(MGMT 3125)

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): 150:032 (MGMT 2032); 150:034 (MGMT 2034); 150:080 (MGMT 2080); 150:112 (MGMT 3112); 150:120 (MGMT 3120); junior standing. (Offered Spring)

150:127. Decision Support Systems -- 3 hrs.

(MGMT 3127)

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): 150:032 (MGMT 2032); 150:034 (MGMT 2034); 150:080 (MGMT 2080); 150:112 (MGMT 3112); 150:153 (MGMT 3153); junior standing. (Offered Fall)

150:128. Business Application Development III -- 3 hrs.

(MGMT 3128)

Study of advanced development tools and concepts, including markup languages, scripting languages, and/or Object Oriented Programming. Completion of projects. Prerequisite(s): [150:032](#) (MGMT 2032); [150:034](#) (MGMT 2034); [150:080](#) (MGMT 2080); junior standing. (Offered Spring)

150:130(g). Training: Design and Delivery -- 3 hrs.

(MGMT 3930/MGMT 5930)

Focus on tactical design and delivery aspects of human resource development programs using skills and technical training programs to provide an applied perspective. Prerequisite(s): junior standing. (Offered Spring)

150:140. Information Systems Management -- 3 hrs.

(MGMT 3140)

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): [150:032](#) (MGMT 2032); [150:034](#) (MGMT 2034); [150:080](#) (MGMT 2080); [150:112](#) (MGMT 3112); junior standing. Prerequisite(s) or corequisite(s): [150:120](#) (MGMT 3120). (Offered Fall)

150:145. Information Systems Applications -- 3 hrs.

(MGMT 3145)

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): [150:080](#) (MGMT 2080) or equivalent; junior standing. (Offered Fall and Spring)

150:153. Organizational Management -- 3 hrs.

(MGMT 3153)

Study of contemporary organizational concepts and issues and their practical implications for managerial behavior. Prerequisite(s): 2.20 cumulative UNI GPA or higher, or the equivalent; junior standing. (Offered Fall, Spring, and Summer)

150:154. Operations Management -- 3 hrs.

(MGMT 3154)

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): [120:030](#) (ACCT 2120); [120:031](#) (ACCT 2130); [150:080](#) (MGMT 2080); [800:072](#) (STAT 1772) or equivalent; [920:020](#) (ECON 1021); [920:070](#) (ECON 1011); junior standing. (Offered Fall, Spring, and Summer)

150:161. Supply Chain and Purchasing -- 3 hrs.

(MGMT 3161)

Examination of the integrative management process of purchasing, producing, supplying, and distributing goods and services. Prerequisite(s): [120:030](#) (ACCT 2120); [120:031](#) (ACCT 2130); [150:080](#) (MGMT 2080); [150:153](#) (MGMT 3153); [150:154](#) (MGMT 3154); [800:072](#) (STAT 1772) or equivalent; [920:020](#) (ECON 1021); [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); [920:070](#) (ECON 1011); junior standing. (Offered Fall and Spring)

150:163. Managerial Problem Solving -- 3 hrs.

(MGMT 3163)

Effective thinking about organizational problems. Topics include critical thinking; problem identification, definition, and analysis; alternative generation and evaluation; negotiation; and design. Prerequisite(s): [150:153](#) (MGMT 3153); junior standing. (Offered Fall and Spring)

150:164. Quality and Process Improvement -- 3 hrs.

(MGMT 3164)

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): [120:030](#) (ACCT 2120); [120:031](#) (ACCT

2130); 150:080 (MGMT 2080); 150:153 (MGMT 3153); 150:154 (MGMT 3154); 800:072 (STAT 1772) or equivalent; 920:020 (ECON 1021); 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

150:165(g). Organizational Behavior -- 3 hrs.

(MGMT 3965/MGMT 5965)

Examination of micro and macro issues found within an organization including people, technology, environment, and structure. Prerequisite(s): 150:153 (MGMT 3153); 800:072 (STAT 1772) or equivalent; 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

150:166(g). Staffing -- 3 hrs.

(MGMT 3966/MGMT 5966)

Study and application of basic staffing practices and the processes of acquiring, orienting, evaluating, and terminating employees. Prerequisite(s): 150:153 (MGMT 3153); junior standing. (Offered Fall)

150:167(g). Strategic Supply Management -- 3 hrs.

(MGMT 4967/MGMT 5967)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 130:101 (MKTG 2110); 150:080 (MGMT 2080); 150:153 (MGMT 3153); 150:154 (MGMT 3154); 800:072 (STAT 1772) or equivalent; 920:020 (ECON 1021); 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. Prerequisite(s) or corequisite(s): 130:161 (MKTG 3163); 150:161 (MGMT 3161); 150:164 (MGMT 3164). (Offered Spring)

150:168(g). Compensation and Benefits -- 3 hrs.

(MGMT 3968/MGMT 5968)

Examination of the total compensation system including wage determination, salary structures, group rewards, and benefits. Prerequisite(s): 150:153 (MGMT 3153); 150:166 (MGMT 3966/MGMT 5966); junior standing. (Offered Spring)

150:169(g). Management Internship -- 1-3 hrs.

(MGMT 3969/MGMT 5969)

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. (Offered Fall, Spring, and Summer)

150:170. Special Problems -- 1-3 hrs.

(MGMT 3170)

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. (Offered Fall, Spring, and Summer)

150:174(g). Ethics in Business -- 3 hrs.

(MGMT 3974/MGMT 5974)

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 640:174g (RELS 3540/5540) and 650:174g (PHIL 3540/5540)) (Offered Fall and Spring)

150:175. Business Policy and Strategy -- 3 hrs.

(MGMT 4175)

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"; [120:030](#) (ACCT 2120); [120:031](#) (ACCT 2130); [130:101](#) (MKTG 2110); [150:080](#) (MGMT 2080); [150:100](#) (MGMT 3100); [150:153](#) (MGMT 3153); [150:154](#) (MGMT 3154); [160:151](#) (FIN 3130/FIN 5130); [800:072](#) (STAT 1772) or equivalent; [920:020](#) (ECON 1021); [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); [920:070](#) (ECON 1011); senior standing. (Offered Fall, Spring, and Summer)

150:179. Cooperative Education -- 1-3 hrs.

(MGMT 3179)

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. (Offered Fall, Spring, and Summer)

150:187. Organizational Design and Development -- 3 hrs.

(MGMT 3187)

Application of concepts presented in [150:153](#) (MGMT 3153) (MGMT 3153) and [150:165](#) (MGMT 3965/MGMT 5965) (MGMT 3965/MGMT 5965). Seminar and field-based experience in designing solutions to organizational design and development problems. Prerequisite(s): [150:153](#) (MGMT 3153); [800:072](#) (STAT 1772) or equivalent; [920:070](#) (ECON 1011); junior standing. Prerequisite(s) or corequisite(s): [150:165](#) (MGMT 3965/MGMT 5965) (Variable)

150:189. Seminar in International Business -- 3 hrs.

(MGMT 3189)

Problems of organizing, financing, and operating multinational enterprises, and impact of multinational business upon a world economy. Prerequisite(s): [130:101](#) (MKTG 2110); [150:153](#) (MGMT 3153); [920:024](#) (ECON 1031) or [920:053](#) (ECON 1041); junior standing. (Offered Fall and Spring)

150:191. Advanced Curriculum and Methods for Business Education -- 2 hrs.

(MGMT 3191)

Curriculum development, motivation, specific presentation methods, and evaluation as applied to business programs. Prerequisite(s): [200:017](#) (EDPSYCH 2017); [200:030](#) (EDPSYCH 2030); [200:128](#) (EDPSYCH 3128); [200:148](#) (EDPSYCH 3148); [250:150](#) (MEASRES 3150) (Level II of the Professional Education Sequence); junior standing. Corequisite(s): [150:117](#) (MGMT 3117). Prerequisite(s) or corequisite(s): [150:091](#) (MGMT 2091). (Offered Spring)

150:249. Management Information Systems Concepts -- 3 hrs.

(MGMT 6249)

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. (Offered MBA Module II - begins mid-November and ends mid-February)

150:250. Strategic Planning and Organization Analysis -- 3 hrs.

(MGMT 6250)

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. (Offered MBA Module I - begins late August and ends mid-November)

150:262. Strategic Management of Human Resources -- 3 hrs.

(MGMT 6260)

Principles of organizational behavior applied to managerial practices; strategic management of human resources to accomplish work and maximize organizational effectiveness. Prerequisite(s): [150:153](#) (MGMT 3153) or equivalent; consent of MBA Director. (Offered MBA Module III - begins mid-February and ends early May)

150:272. Cross-Functional Operations -- 3 hrs.

(MGMT 6262)

Analysis and design of business operational decisions in complex production and service environments.

Prerequisite(s): consent of MBA Director. (Offered MBA Module III - begins mid-February and ends early May)

150:274. Research and Analysis for Management Decisions -- 3 hrs.

(MGMT 6272)

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. (Offered MBA Module I - begins late August and ends mid-November)

150:276. Business Capstone Experience -- 1 hr.

(MGMT 6276)

Analyze, solve, and present a solution to a complex, interdisciplinary business problem. Prerequisite(s): consent of MBA Director. (Offered MBA Module III - begins mid-February and ends early May)

150:280. Topics in Management -- 1-3 hrs.

(MGMT 6280)

Selected topics in management. May be repeated for maximum of 6 hours. Anticipated typical credit of 1 hour.

Prerequisite(s): consent of MBA Director. (Offered MBA Modules I, II, and III)

150:285. Individual Readings -- 1-3 hrs.

(MGMT 6285)

Directed readings and reports. May be repeated for maximum of 4 hours. Prerequisite(s): consent of MBA Director. (Offered MBA Modules I, II, and III)

150:297. Practicum -- 2 hrs.

(MGMT 6297)

Prerequisite(s): consent of MBA Director. (Offered MBA Modules I, II, and III)

150:299. Research -- 1-6 hrs.

(MGMT 6299)

Prerequisite(s): consent of MBA Director. (Offered MBA Modules I, II, and III)

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160 Finance (FIN)

160:055. Personal Financial Planning and Asset Management -- 3 hrs.

(FIN 1040)

Overview of fundamentals of financial planning and asset allocations with emphasis on diversification of risk. (Offered Fall and Spring)

160:140. Principles of Real Estate -- 3 hrs.

(FIN 3110)

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. (Offered Fall and Spring)

160:141. Real Estate Finance -- 3 hrs.

(FIN 3125)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

160:142. Real Estate Appraisal and Investment -- 3 hrs.

(FIN 3120)

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): 160:140 (FIN 3110); junior standing. (Offered Fall and Spring)

160:143. Real Estate Law and Brokerage -- 3 hrs.

(FIN 3115)

Study of the law affecting real estate value, financing, conveyance, contractual obligations, and brokerage, including agency relationships. Prerequisite(s): 160:140 (FIN 3110); junior standing. (Offered Fall and Spring)

160:151(g). Corporation Finance -- 3 hrs.

(FIN 3130/FIN 5130)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. Mathematics majors who have successfully completed 800:060 (MATH 1420) and 800:061 (MATH 1421) may enroll with the consent of department head. (Offered Fall, Spring, and Summer)

160:152(g). Principles of Investments -- 3 hrs.

(FIN 3160/FIN 5160)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Offered Fall, Spring, and Summer)

160:153(g). Commercial Bank Management -- 3 hrs.

(FIN 3170/FIN 5170)

Study of major decisions and policies involved in management of commercial banks in the context of asset/liability management. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

160:154. Financial Information Systems and Analysis -- 3 hrs.

(FIN 3034)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Variable)

160:156(g). Topics in Financial Management -- 3 hrs.

(FIN 4140/FIN 5140)

Examination of various aspects of financial management through discussions of specific topics. May be repeated only in different section. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing; plus the following prerequisites for the particular section:

Sec. 1: Advanced Cases. Prerequisite(s): C- or better in 160:151 (FIN 3130/FIN 5130); 160:171 (FIN 4145).

Sec. 2: Security Analysis. Prerequisite(s): C- or better in 160:151 (FIN 3130/FIN 5130); 160:152 (FIN 3160/FIN 5160).

Sec. 3: Options/Futures. Prerequisite(s): C- or better in 160:151 (FIN 3130/FIN 5130); 160:152 (FIN 3160/FIN 5160).

Sec. 4: Working Capital. Prerequisite(s): C- or better in 160:151 (FIN 3130/FIN 5130); 160:171 (FIN 4145). (Section 2 offered Spring; section 3 offered Fall; sections 1 and 4 variable)

160:157(g). Fixed Income Analysis -- 3 hrs.

(FIN 3065/FIN 5065)

Principles and tools used to value fixed income securities and manage the risk of bond portfolios. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 160:152 (FIN 3160/FIN 5160); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

160:158(g). International Financial Management -- 3 hrs.

(FIN 3032/FIN 5032)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

160:161. Intermediate Financial Management -- 3 hrs.

(FIN 3135)

Examination of the tools, concepts, and theories of financial management. Topics include working capital management, capital budgeting, financial theory, and financial modeling. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

160:162. Risk Management and Insurance -- 3 hrs.

(FIN 3050)

Fundamentals of risk and insurance as they apply to financial management. Prerequisite(s): junior standing. (Variable)

160:163. Insurance Company Operations -- 3 hrs.

(FIN 3055)

In-depth study of management issues unique to insurance operations and companies from a functional perspective. Prerequisite(s): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Variable)

160:170. Special Problems -- 1-3 hrs.

(FIN 3080)

Credit determined at registration. Prerequisite(s): junior standing; consent of department head. (Variable)

160:171. Advanced Financial Management -- 3 hrs.

(FIN 4145)

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): 120:030 (ACCT 2120); 120:031 (ACCT 2130); C- or better in 160:151 (FIN 3130/FIN 5130); 160:161 (FIN 3135); 800:072 (STAT 1772) or equivalent; 920:053 (ECON 1041); 920:054 (ECON 1051); 920:070 (ECON 1011); junior standing. (Offered Fall and Spring)

160:179. Cooperative Education in Finance -- 1-3 hrs.

(FIN 3179)

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. (Offered Fall, Spring, and Summer)

160:266. Financial Management and Markets -- 3 hrs.

(FIN 6266)

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): 160:151 (FIN 3130/FIN 5130) or equivalent; consent of MBA Director. (Offered Spring)

160:280. Topics in Finance -- 1-3 hrs.

(FIN 6280)

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)

160:285. Individual Readings -- 1-3 hrs.

(FIN 6285)

Directed readings and reports. Prerequisite(s): consent of MBA Director. (Variable)

160:297. Practicum -- 2 hrs.

(FIN 6297)

Prerequisite(s): consent of MBA Director. (Variable)

160:299. Research -- 1-6 hrs.

(FIN 6299)

Prerequisite(s): consent of MBA Director. (Variable)

2010-2012 UNI Catalog
170 Postsecondary Education: Student Affairs (POSTSEC)

170:050. Career Decision Making -- 2 hrs.

(POSTSEC 1050)

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. (Offered Fall and Spring)

170:055. Strategies for Academic Success -- 2 hrs.

(POSTSEC 1055)

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. (Offered Fall and Spring)

170:218. Organization and Governance of Postsecondary Education -- 3 hrs.

(POSTSEC 6218)

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. (Offered Fall)

170:222. Communication and Leadership in Postsecondary Education -- 3 hrs.

(POSTSEC 6222)

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. (Offered Fall)

170:231. Assessment in Postsecondary Education -- 3 hrs.

(POSTSEC 6231)

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): [250:205](#) (MEASRES 6205). (Offered Spring)

170:250. Teaching in College -- 3 hrs.

(POSTSEC 6250)

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. (Offered Fall and Spring)

170:256. The Two-Year College -- 3 hrs.

(POSTSEC 6256)

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. (Offered Spring and Summer)

170:260. History and Philosophy of Higher Education -- 3 hrs.

(POSTSEC 6260)

Overview of the historical development, issues, philosophies, and cultural backgrounds of higher education in America. (Offered Fall)

170:264. Introduction to Student Affairs -- 3 hrs.

(POSTSEC 6264)

Introduction to the field of college/university student services with applications of theory to practice. (Offered Fall)

170:266. Administration of Student Affairs -- 3 hrs.

(POSTSEC 6266)

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): 170:218 (POSTSEC 6218); 170:264 (POSTSEC 6264). (Offered Fall)

170:270. College Student Development -- 3 hrs.

(POSTSEC 6270)

Addresses student development theories (moral, ethical, intellectual, and psychosocial), and their application in student affairs settings. (Offered Spring)

170:285. Readings in Postsecondary Education.

(POSTSEC 6285)

(Variable)

170:289. Seminar in Postsecondary Education.

(POSTSEC 6289)

(Variable)

170:290. Practicum in Postsecondary Education -- 3 hrs.

(POSTSEC 6290)

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)

170:291. Internship in Postsecondary Education -- 3-6 hrs.

(POSTSEC 6291)

Supervised substantive experience in a postsecondary setting. (Variable)

170:299. Research.

(POSTSEC 6299)

(Variable)

170:310. Organizational Processes and Communication -- 3 hrs.

(POSTSEC 7310)

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)

170:311. Educational Leadership and Systems Change -- 3 hrs.

(POSTSEC 7311)

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 270:311 (EDLEAD 7311)) (Variable)

170:389. Seminar in Postsecondary Education.

(POSTSEC 7389)

Special topics as indicated in the schedule of classes. Prerequisite(s): consent of instructor. (Variable)

170:391. Internship in Postsecondary Education -- 1-3 hrs.

(POSTSEC 7391)

Supervised advanced experience in a postsecondary setting. Prerequisite(s): consent of instructor. (Variable)

170:397. Practicum: Postsecondary Education -- 1-3 hrs.

(POSTSEC 7397)

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)

2010-2012 UNI Catalog
190 Education, Interdepartmental (INTDEPED)

190:301. Context of Contemporary Education -- 3 hrs.

(INTDEPED 7301)

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)

190:303. Inquiry -- 3 hrs.

(INTDEPED 7303)

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)

190:305. Qualitative Methods in Educational Research -- 3 hrs.

(INTDEPED 7305)

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): 190:303 (INTDEPED 7303). (Variable)

190:307. Quantitative Methods in Educational Research -- 3 hrs.

(INTDEPED 7307)

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): 190:303 (INTDEPED 7303); 250:205 (MEASRES 6205); an upper-division course in statistical methods; doctoral status or consent of college. (Variable)

190:389. Doctoral Seminar.

(INTDEPED 7389)

Credit/no credit only. (Offered Fall and Spring)

190:399. Dissertation Research.

(INTDEPED 7399)

Credit/no credit only. Initial enrollment requires attendance at doctoral research seminar. (Offered Fall and Spring)

2010-2012 UNI Catalog
200 Educational Psychology (EDPSYCH)

200:017. Field Experience: Exploring Teaching -- 1 hr.

(EDPSYCH 2017)

Direct and indirect experiences in the ways schools function, roles and responsibilities of teachers, and student behavior. Offered on credit/no credit basis only. Corequisite(s): 200:030 (EDPSYCH 2030). (Offered Fall, Spring, and Summer)

200:030. Dynamics of Human Development -- 3 hrs.

(EDPSYCH 2030)

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. (Offered Fall, Spring, and Summer)

200:109(g). Development and Assessment of Young Children -- 3 hrs.

(EDPSYCH 4109/EDPSYCH 5109)

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): 200:030 (EDPSYCH 2030) or equivalent or consent of instructor; junior standing. (Offered Fall, Spring, and Summer)

200:116(g). Psychology of Adolescence -- 2 hrs.

(EDPSYCH 4116/EDPSYCH 5116)

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): 200:030 (EDPSYCH 2030) or equivalent; junior standing. (Offered Fall, Spring, and Summer)

200:118(g). Mental Health in the Classroom -- 3 hrs.

(EDPSYCH 4118/EDPSYCH 5118)

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): 200:030 (EDPSYCH 2030) or equivalent; junior standing. (Variable)

200:128. Field Experience: Teacher as Change Agent -- 1 hr.

(EDPSYCH 3128)

Direct experiences to increase understanding of learning process and apply skills for facilitating the process; may include motivation, classroom management, and teaching strategies. Offered on credit/no credit basis only.

Prerequisite(s): 200:017 (EDPSYCH 2017); 200:030 (EDPSYCH 2030); or equivalents. Corequisite(s): 200:148 (EDPSYCH 3148); 250:150 (MEASRES 3150). (Offered Fall, Spring, and Summer)

200:139(g). Psychology of Personality, Education -- 3 hrs.

(EDPSYCH 4139/EDPSYCH 5139)

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. (Offered Fall and Spring)

200:140(g). Social Psychology, Education -- 3 hrs.

(EDPSYCH 4140/EDPSYCH 5140)

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. (Offered Spring)

200:148. Learning and Instruction in Classroom Contexts -- 3 hrs.

(EDPSYCH 3148)

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): 200:017 (EDPSYCH 2017); 200:030 (EDPSYCH 2030); or equivalents. Corequisite(s): 200:128 (EDPSYCH 3128). Prerequisite(s) or corequisite(s): 250:150 (MEASRES 3150). (Offered Fall, Spring, and Summer)

200:151(g). Current Approaches to Classroom Discipline -- 3 hrs.

(EDPSYCH 4151/EDPSYCH 5151)

Strategies and processes designed to improve and maintain classroom control which also preserve and enhance atmospheres leading to increased student academic and personal development. Prerequisite(s): 200:030

(EDPSYCH 2030); 200:148 (EDPSYCH 3148); or equivalents; junior standing. (Offered Fall and Spring)

200:152(g). Development of the Middle School Aged Child -- 3 hrs.

(EDPSYCH 4152/EDPSYCH 5152)

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)

200:170(g). Psychology of Learning Disabilities -- 3 hrs.

(EDPSYCH 4170/EDPSYCH 5170)

Current theories and practices in learning disabilities with emphasis on the foundations of the field, assessment practices, and specific learning disorders. Prerequisite(s): 200:148 (EDPSYCH 3148) and 250:150 (MEASRES 3150) or equivalent; junior standing. (Variable)

200:173(g). Behavior Disorders in Children -- 3 hrs.

(EDPSYCH 4173/EDPSYCH 5173)

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.

(Offered Fall, Spring, and Summer)

200:176(g). Learning and Behavioral Problems in Education -- 3 hrs.

(EDPSYCH 4176/EDPSYCH 5176)

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. (Offered Fall and Spring)

200:180(g). Community Service: Academic Skills Achievement Center -- 2-4 hrs.

(EDPSYCH 4180/EDPSYCH 5180)

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. (Offered Fall and Spring)

200:188(g). Current Approaches to Multicultural Education -- 3 hrs.

(EDPSYCH 4188/EDPSYCH 5188)

Comparison of alternative models of multicultural education and study of their application in school settings.

Prerequisite(s): junior standing. (Offered Fall)

200:198. Independent Study.

(EDPSYCH 4198)

(Variable)

200:214. Foundations of Instructional Psychology -- 3 hrs.

(EDPSYCH 6214)

Study of factors involved in designing and implementing effective instructional environments. (Offered Fall, Spring, and Summer)

200:224. Adult Development and Learning -- 3 hrs.

(EDPSYCH 6224)

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)

200:232. Risk and Resilience: Child, Family, School and Community Factors -- 3 hrs.

(EDPSYCH 6232)

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. (Offered Summer)

200:235. Theories of Human Development -- 3 hrs.

(EDPSYCH 6235)

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): 200:109 (EDPSYCH 4109/EDPSYCH 5109) or 200:116 (EDPSYCH 4116/EDPSYCH 5116). (Variable)

200:240. Introduction to School Psychology -- 3 hrs.

(EDPSYCH 6240)

Psychological services in schools; roles and functions of school psychologists; review of professional, legal and ethical standards and implications for practice. (Variable)

200:280. Psychological Consultation in Schools -- 3 hrs.

(EDPSYCH 6280)

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. (Offered Fall)

200:285. Readings.

(EDPSYCH 6285)

(Offered Fall and Spring)

200:289. Seminar in Education and Psychology -- 1-6 hrs.

(EDPSYCH 6289)

Prerequisite(s): consent of instructor. (Variable)

200:290. Practicum in Education and Psychology -- 1-6 hrs.

(EDPSYCH 6290)

Prerequisite(s): consent of instructor. (Offered Fall and Spring)

200:291. Internship in School Psychology -- 1-6 hrs.

(EDPSYCH 6291)

Supervised off-campus field experience. (Offered Fall and Spring)

200:299. Research.

(EDPSYCH 6299)

(Offered Fall and Spring)

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210 Elementary, Early Childhood and Middle Level Education (ELEMECML)

210:120. Elementary Classroom Management -- 3 hrs.

(ELEMECML 3120)

Focus on skills needed to plan, organize, manage, implement, and evaluate appropriate instruction in the elementary classroom. Prerequisite(s): 210:150 (ELEMECML 4152/ELEMECML 5152) or 210:152 (ELEMECML 4150/ELEMECML 5150). Corequisite(s): 210:161 (ELEMECML 3161); 210:164 (ELEMECML 3164); 230:116 (LITED 3116); 800:134 (MATH 3203). (Offered Fall, Spring, and Summer)

210:121(g). Infant and Toddler Care and Education -- 3 hrs.

(ELEMECML 4121/ELEMECML 5121)

Study of care and education of the very young child. Examination of important strategies and techniques for working with infants and toddlers. Prerequisite(s): 200:109 (EDPSYCH 4109/EDPSYCH 5109); junior standing. (Offered Fall and Spring)

210:122. Middle Level Classroom Management -- 3 hrs.

(ELEMECML 3122)

Middle level/junior high school classroom organization and behavior management compatible with the developmental characteristics of young adolescents. Prerequisite(s): 210:150 (ELEMECML 4152/ELEMECML 5152) or 210:152 (ELEMECML 4150/ELEMECML 5150). Corequisite(s): for Elementary/Middle Level Education Dual Majors: 210:161 (ELEMECML 3161); 210:164 (ELEMECML 3164); 230:116 (LITED 3116); 800:134 (MATH 3203). (Offered Fall and Spring)

210:123(g). Expressive Arts in the Elementary School -- 3 hrs.

(ELEMECML 4123/ELEMECML 5123)

Integration of the creative arts: art, music, drama, and media as utilized for strengthening and enriching content across the curriculum of the elementary classroom. Prerequisite(s): junior standing. (Offered Fall, Spring, and Summer)

210:130(g). Guidance and Instruction in Early Childhood Education -- 3 hrs.

(ELEMECML 4130/ELEMECML 5130)

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): 210:151 (ELEMECML 4151/ELEMECML 5151); junior standing. Corequisite(s): 210:192 (ELEMECML 4192/ELEMECML 5192). (Offered Fall and Spring)

210:135(g). Middle Level Socialization and Instructional Strategies -- 3 hrs.

(ELEMECML 4135/ELEMECML 5135)

Instructional strategies and resources for addressing the social, emotional, physical, and intellectual needs of young adolescents in the middle level/junior high school classroom. Prerequisite(s): 200:148 (EDPSYCH 3148); 200:152 (EDPSYCH 4152/EDPSYCH 5152); junior standing. Prerequisite(s) or corequisite(s): 210:150 (ELEMECML 4152/ELEMECML 5152) or equivalent. (Offered Fall and Spring)

210:141(g). Integrated Activities in Elementary School Science and Mathematics -- 3 hrs.

(ELEMECML 4141/ELEMECML 5141)

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): 800:134 (MATH 3203) or equivalent; junior standing. (Offered Spring)

210:142(g). Applications in Elementary Science Teaching -- 3 hrs.

(ELEMECML 4142/ELEMECML 5142)

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. (Variable)

210:143(g). Applications in Elementary Social Studies Teaching -- 3 hrs.

(ELEMECML 4143/ELEMECML 5143)

Applying knowledge of current trends, resources, and content as a means of developing, enriching, and expanding the social studies curriculum. Prerequisite(s): 210:164 (ELEMECML 3164); junior standing. (Offered Fall)

210:149(g). Child, Family, School and Community Relationships -- 3 hrs.

(ELEMECML 4149/ELEMECML 5149)

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. (Offered Fall and Spring)

210:150(g). Middle Level Curriculum -- 2 hrs.

(ELEMECML 4152/ELEMECML 5152)

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. (Note: Description changed and hours changed from 3 hours to 2 hours effective Fall 2011 semester.) Prerequisite(s): completion of Level I of the Professional Education Requirements; junior standing. Prerequisite(s) or corequisite(s): 200:152 (EDPSYCH 4152/EDPSYCH 5152); Level II of the Professional Education Requirements. Registration requires full admission to the teacher education program. (Offered Fall and Spring)

210:151(g). Early Childhood Curriculum Development and Organization -- 3 hrs.

(ELEMECML 4151/ELEMECML 5151)

Current trends in curriculum for preschool and primary children. Prerequisite(s): 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. (Offered Fall and Spring)

210:152(g). Elementary Curriculum -- 3 hrs.

(ELEMECML 4150/ELEMECML 5150)

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. (Offered Fall and Spring)

210:155(g). Constructivist Early Education -- 3 hrs.

(ELEMECML 4155/ELEMECML 5155)

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)

210:161. Teaching Elementary School Science -- 3 hrs.

(ELEMECML 3161)

Investigation of current textbook series, trends, teaching materials, and appropriate instructional strategies for contemporary elementary school science programs. Prerequisite(s): 210:150 (ELEMECML 4152/ELEMECML 5152) or 210:151 (ELEMECML 4151/ELEMECML 5151) or 210:152 (ELEMECML 4150/ELEMECML 5150). Corequisite(s): 210:120 (ELEMECML 3120) or 210:122 (ELEMECML 3122); 210:164 (ELEMECML 3164); 230:116 (LITED 3116); 800:134 (MATH 3203). (Offered Fall, Spring, and Summer)

210:164. Teaching Elementary School Social Studies -- 3 hrs.

(ELEMECML 3164)

Basic methods and materials for teaching the knowledge, skills, attitudes and values in social studies. Prerequisite(s): 210:150 (ELEMECML 4152/ELEMECML 5152) or 210:151 (ELEMECML 4151/ELEMECML 5151) or 210:152 (ELEMECML 4150/ELEMECML 5150). Corequisite(s): 210:120 (ELEMECML 3120) or 210:122 (ELEMECML 3122); 210:161 (ELEMECML 3161); 230:116 (LITED 3116); 800:134 (MATH 3203). (Offered Fall, Spring, and Summer)

210:192(g). Experience -- 2-4 hrs.

(ELEMECML 4192/ELEMECML 5192)

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 200:017 (EDPSYCH 2017) and 200:128 (EDPSYCH 3128); junior standing. Corequisite(s): 210:130 (ELEMECML 4130/ELEMECML 5130). (Offered Fall and Spring)

210:201. Issues and Trends in Curriculum -- 3 hrs.

(ELEMECML 6201)

Current ideas influencing the planning and implementation of curriculum. Prerequisite(s): consent of department. (Variable)

210:204. Curriculum Construction -- 3 hrs.

(ELEMECML 6204)

Role of the classroom teacher in curriculum development projects, focusing on educational change process, procedures, and product evaluation. Prerequisite(s): 210:201 (ELEMECML 6201) or consent of the head of the Department of Curriculum and Instruction. (Variable)

210:214. Recent Research in Early Childhood Education -- 3 hrs.

(ELEMECML 6214)

Review of implications of research to gain techniques for improving instruction and programs for young children. Prerequisite(s): 210:151 (ELEMECML 4151/ELEMECML 5151) or equivalent. (Variable)

210:220. Administration and Supervision of Programs for Young Children -- 3 hrs.

(ELEMECML 6220)

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)

210:221. Analysis and Design of Curriculum for Young Children -- 3 hrs.

(ELEMECML 6221)

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)

210:225. Advanced Constructivist Education -- 3 hrs.

(ELEMECML 6225)

Study of theory, research, and curriculum in constructivist education. Selected theoretical topics. Prerequisite(s): 210:155 (ELEMECML 4155/ELEMECML 5155); 210:221 (ELEMECML 6221). (Variable)

210:228. Comparative Early Childhood Curricula -- 2 hrs.

(ELEMECML 6228)

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): 210:155 (ELEMECML 4155/ELEMECML 5155); 210:221 (ELEMECML 6221). (Variable)

210:230. Advanced Techniques in Instructional Management -- 3 hrs.

(ELEMECML 6230)

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): 210:201 (ELEMECML 6201) or consent of the head of the Department of Curriculum and Instruction. (Variable)

210:242. Analysis and Improvement of Science Instruction in the Elementary School -- 3 hrs.

(ELEMECML 6242)

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): 210:142 (ELEMECML 4142/ELEMECML 5142) or 210:152 (ELEMECML 4150/ELEMECML 5150) or consent of department. (Variable)

210:243. Analysis and Improvement of Social Studies Instruction in the Elementary School -- 3 hrs.
(ELEMECML 6243)

Assists teacher in exploring historical and current practices in social studies to create new approaches by using available resources and ideas. Prerequisite(s): 210:143 (ELEMECML 4143/ELEMECML 5143) or 210:152 (ELEMECML 4150/ELEMECML 5150) or consent of department. (Variable)

210:254. The Gifted and Talented -- 3 hrs.
(ELEMECML 6254)

Educational needs of gifted and talented children and youth. Emphasis on characteristics, identification/assessment, special populations, counseling, parenting, and program intervention. (Variable)

210:255. Educational Strategies for Gifted and Talented -- 3 hrs.
(ELEMECML 6255)

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): 210:254 (ELEMECML 6254) or consent of instructor. (Variable)

210:257. Coordinating Programs for the Gifted and Talented -- 3 hrs.
(ELEMECML 6257)

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): 210:254 (ELEMECML 6254); 210:255 (ELEMECML 6255); or consent of instructor. (Variable)

210:270. Recent Developments in Middle Level Curriculum -- 3 hrs.
(ELEMECML 6270)

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)

210:285. Readings in Education -- 1-3 hrs.
(ELEMECML 6285)

(Offered Fall, Spring, and Summer)

210:289. Seminar in Education -- 2 hrs.
(ELEMECML 6289)

Special topics listed in Schedule of Classes. (Offered Fall, Spring, and Summer)

210:297. Practicum -- 2-3 hrs.
(ELEMECML 6297)

(Offered Fall, Spring, and Summer)

210:299. Research -- 1-6 hrs.
(ELEMECML 6299)

(Offered Fall, Spring, and Summer)

210:352. Curriculum Theory and Development -- 3 hrs.
(ELEMECML 7352)

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)

210:354. Curriculum Implementation and Evaluation -- 3 hrs.

(ELEMECML 7354)

Exploration of systems for program evaluation and revision and the dynamics of change processes. (Variable)

210:389. Seminar in Curriculum and Instruction -- 3 hrs.

(ELEMECML 7389)

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)

210:397. Practicum in Curriculum and Instruction -- 2-4 hrs.

(ELEMECML 7397)

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): 210:352 (ELEMECML 7352); and consent of instructor. (Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog 220 Special Education (SPED)

220:125(g). Current Issues in Visual Impairments -- 2 hrs.

(SPED 4125/SPED 5125)

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)

220:126. Braille Learning and Tactile Communication I -- 3 hrs.

(SPED 4126/SPED 5126)

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)

220:132(g). Introduction to Visual Impairments -- 3 hrs.

(SPED 4132/SPED 5132)

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)

220:134(g). Foundations of Orientation and Mobility -- 3 hrs.

(SPED 4134/SPED 5134)

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)

220:136(g). Methods of Teaching Students with Visual Impairments -- 3 hrs.

(SPED 4136/SPED 5136)

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): [220:132](#) (SPED 4132/SPED 5132); junior standing. (Variable)

220:138(g). Anatomy of the Eye and Educational Implications of Low Vision -- 3 hrs.

(SPED 4138/SPED 5138)

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): [220:132](#) (SPED 4132/SPED 5132); junior standing. (Variable)

220:140(g). Services to Families with Infants and Toddlers with Disabilities -- 3 hrs.

(SPED 4140/SPED 5140)

Working with families of infants and toddlers with disabilities. Prerequisite(s): [220:150](#) (SPED 3150); junior standing. Corequisite(s): [220:192](#) (SPED 4192/SPED 5192). (Offered Fall)

220:141(g). Including Young Children with Special Needs Into the General Education Programs -- 3 hrs.

(SPED 4141/SPED 5141)

Advanced best practices for educating young children with diverse learning needs in the general education classroom. Prerequisite(s): [220:150](#) (SPED 3150); [220:192](#) (SPED 4192/SPED 5192) (tutorial); junior standing. Corequisite(s): [220:192](#) (SPED 4192/SPED 5192). (Offered Fall and Spring)

220:142(g). Classroom Instructional Management for Students with Disabilities (K-8) -- 3 hrs.

(SPED 4142/SPED 5142)

Designed to develop the instructional and behavioral management competencies required to teach K-8 students with disabilities. Prerequisite(s): 220:150 (SPED 3150); junior standing. Corequisite(s): 220:192 (SPED 4192/SPED 5192). (Offered Fall and Spring)

220:143(g). Classroom Instructional Management for Students with Disabilities (5-12) -- 3 hrs.

(SPED 4143/SPED 5143)

Designed to develop the instructional and behavioral management competencies required to teach students in grades 5-12 with disabilities. Prerequisite(s): 220:150 (SPED 3150); junior standing. Corequisite(s): 220:192 (SPED 4192/SPED 5192). (Offered Spring)

220:146(g). Methodology and Assessment for Students with Mild/Moderate Disabilities (K-8) -- 3 hrs.

(SPED 4146/SPED 5146)

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): 220:174 (SPED 4174/SPED 5174); junior standing. Corequisite(s): 220:192 (SPED 4192/SPED 5192). (Offered Fall and Spring)

220:147(g). Methodology and Assessment for Students with Mild/Moderate Disabilities (5-12) -- 3 hrs.

(SPED 4147/SPED 5147)

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): 220:174 (SPED 4174/SPED 5174); junior standing. Corequisite(s): 220:192 (SPED 4192/SPED 5192). (Offered Fall)

220:150. Meeting the Needs of Diverse Learners in Classrooms -- 2 hrs.

(SPED 3150)

Introduction to pedagogical, curricular, and social considerations involved in educating diverse learners in the general education classroom. Prerequisite(s): 200:030 (EDPSYCH 2030). (Offered Fall and Spring)

220:151(g). Vocational and Transition Programming for Individuals with Disabilities -- 3 hrs.

(SPED 4151/SPED 5151)

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): 220:174 (SPED 4174/SPED 5174); junior standing. (Offered Fall)

220:152(g). Community Resources for Special Education -- 3 hrs.

(SPED 4152/SPED 5152)

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): 220:150 (SPED 3150); junior standing; consent of instructor. (Variable)

220:153(g). Introduction to Assistive Technology for Instruction -- 3 hrs.

(SPED 4153/SPED 5153)

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): 220:150 (SPED 3150); junior standing. (Offered Spring)

220:167(g). Current Issues in the Education of Students with Severe Disabilities -- 2 hrs.

(SPED 4167/SPED 5167)

Current issues in the education of students with severe disabilities, including historical context, etiology, and impact on the children and family. Prerequisite(s): 220:150 (SPED 3150); junior standing. (Offered Fall)

220:170(g). Educational Management in Special Education -- 3 hrs.

(SPED 4170/SPED 5170)

Individual behavior management, behavioral change strategies, and classroom management for students with special needs. Prerequisite(s): junior standing. Corequisite(s): 220:174 (SPED 4174/SPED 5174); 220:192 (SPED 4192/SPED 5192). (Offered Fall and Spring)

220:174(g). Assessment and Instruction for Students with Mild Disabilities -- 3 hrs.

(SPED 4174/SPED 5174)

Collection and use of educational data to assess and teach students with diverse learning needs, educational planning, material adaptation, and curriculum development. Prerequisite(s): 220:150 (SPED 3150); junior standing. Corequisite(s): 220:170 (SPED 4170/SPED 5170); 220:192 (SPED 4192/SPED 5192). (Offered Fall and Spring)

220:183(g). Teaching Secondary-Level Students with Severe Disabilities -- 3 hrs.

(SPED 4183/SPED 5183)

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): 220:167 (SPED 4167/SPED 5167); 220:174 (SPED 4174/SPED 5174); junior standing. Corequisite(s): 220:192 (SPED 4192/SPED 5192) or consent of instructor. (Offered Fall)

220:184(g). Professional Interdisciplinary Relationships in Special Education I -- 3 hrs.

(SPED 4184/SPED 5184)

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): 220:150 (SPED 3150); junior standing. (Offered Fall and Spring)

220:185(g). Readings in Special Education -- 1-2 hrs.

(SPED 4185/SPED 5185)

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. (Offered Fall, Spring, and Summer)

220:187(g). Teaching Elementary School Students with Severe Disabilities -- 3 hrs.

(SPED 4187/SPED 5187)

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): 220:167 (SPED 4167/SPED 5167) or consent of instructor; junior standing. Corequisite(s): 220:192 (SPED 4192/SPED 5192) or consent of instructor. (Offered Spring)

220:192(g). Experience in Special Education -- 1-12 hrs.

(SPED 4192/SPED 5192)

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 29 (Early Childhood, Birth-3) may be taken for 1-3 hours, and is graded credit. Prerequisite(s): junior standing; consent of instructor. (Offered Fall and Spring)

220:240. Collaborative Consultation I: The Relationship -- 3 hrs.

(SPED 6240)

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. (Offered Fall)

220:245. Collaborative Consultation II: The Process -- 3 hrs.

(SPED 6245)

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. (Offered Spring)

220:254. Vocational and Transition Assessment of Individuals with Disabilities -- 3 hrs.

(SPED 6254)

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): 220:151 (SPED 4151/SPED 5151) or consent of instructor. (Variable)

220:256. Best Practices in Inclusion -- 3 hrs.

(SPED 6256)

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)

220:260. Special Education Law and Policy -- 3 hrs.

(SPED 6260)

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. (Offered Fall and Spring)

220:278. Administration of Special Education -- 3 hrs.

(SPED 6278)

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)

220:289. Seminar -- 3 hrs.

(SPED 6289)

May be repeated on different topics for maximum of 9 hours. Prerequisite(s): 220:183 (SPED 4183/SPED 5183) or 220:187 (SPED 4187/SPED 5187); 220:192 (SPED 4192/SPED 5192). (Offered Fall)

220:290. Practicum -- 1-6 hrs.

(SPED 6290)

Requires written consent of department. May be repeated for maximum of 9 hours. (Offered Fall and Spring)

220:293. Qualitative Research in Special Education -- 3 hrs.

(SPED 6293)

In-depth methodological understanding of qualitative research and the opportunity to conduct qualitative research projects in special educational settings. Prerequisite(s): 250:205 (MEASRES 6205). (Offered Fall)

220:295. Single-subject Research Applications -- 3 hrs.

(SPED 6295)

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. (Offered Spring)

220:299. Research -- 2-3 hrs.

(SPED 6299)

May be repeated for maximum of 6 hours. (Offered Fall and Spring)

220:386. Studies in Special Education -- 1-3 hrs.

(SPED 7386)

Offered by department for specialized work. May be repeated. Prerequisite(s): consent of instructor. (Variable)

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230 Literacy Education (LITED)

230:044. Children's Literature -- 3 hrs.

(LITED 1044)

Evaluation, selection, and teaching of literature in the elementary school language arts program. (Offered Fall and Spring)

230:115. Methods of Teaching Early Literacy -- 3 hrs.

(LITED 2115)

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) or corequisite(s): 230:044 (LITED 1044). (Offered Fall, Spring, and Summer)

230:116. Methods of Teaching Content Literacy in the Intermediate Grades -- 3 hrs.

(LITED 3116)

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): 210:150 (ELEMECML 4152/ELEMECML 5152) or 210:152 (ELEMECML 4150/ELEMECML 5150); 230:044 (LITED 1044); completion of Levels I and II of Professional Education Requirements; junior standing. Prerequisite(s) or corequisite(s): 230:115 (LITED 2115) (Offered Fall, Spring, and Summer)

230:117(g). Methods of Teaching Content Literacy at the Middle and Secondary Levels -- 3 hrs.

(LITED 4117/LITED 5117)

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): completion of Levels I and II of Professional Education Requirements; junior standing. (Offered Fall and Spring)

230:119. Language Development and Emergent Literacy -- 3 hrs.

(LITED 3119)

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): 230:044 (LITED 1044) and one of the following: 230:115 (LITED 2115), 230:116 (LITED 3116) or 230:117 (LITED 4117/LITED 5117) or consent of instructor; junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered 230:119 (LITED 3119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Offered Fall, Spring, and Even Summers)

230:121. Advanced Children's Literature -- 3 hrs.

(LITED 3121)

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): 230:044 (LITED 1044); junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered 230:119 (LITED 3119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Offered Fall, Spring, and Odd Summers)

230:140. Assessment and Evaluation of Literacy -- 3 hrs.

(LITED 2140)

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): 230:044 (LITED 1044) or 620:165 (ENGLISH 4940/ENGLISH 5940); 230:115 (LITED 2115), 230:116 (LITED 3116), or 230:117 (LITED 4117/LITED 5117); 230:119 (LITED 3119) or 230:121 (LITED 3121); or consent of instructor; junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered 230:119 (LITED 3119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Offered Fall, Spring, and Summer)

230:147. Remedial Reading -- 3 hrs.

(LITED 3147)

Selection, implementation, and interpretation of a variety of reading and language arts assessment procedures and the development of effective individualized instructional programs. Prerequisite(s): 230:044 (LITED 1044) or 620:165 (ENGLISH 4940/ENGLISH 5940); 230:115 (LITED 2115), 230:116 (LITED 3116), or 230:117 (LITED 4117/LITED 5117); 230:119 (LITED 3119) or 230:121 (LITED 3121); 230:140 (LITED 2140); or consent of instructor; junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered 230:119 (LITED 3119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Offered Fall, Spring, and Summer)

230:155(g). Grammar for Middle Level Educators -- 1 hr.

(LITED 4155/LITED 5155)

The structure of English grammar and best practices for teaching grammar at the middle level will be examined. This course fulfills Iowa Department of Education Middle Level Endorsement requirements for course work in grammar. Prerequisite(s): junior standing. (Offered Fall and Spring)

230:192. Experience in Reading: Tutoring -- 3 hrs.

(LITED 3192)

Supervised tutoring in the University Reading Center or in a public school reading center. Prerequisite(s): 230:140 (LITED 2140); junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered 230:119 (LITED 3119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. Corequisite(s): 230:147 (LITED 3147). (Offered Fall, Spring, and Summer)

230:193(g). Experience in Reading: Field -- 1-2 hrs.

(LITED 4193/LITED 5193)

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 230:119 (LITED 3119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Offered Fall, Spring, and Summer)

230:212. Methods and Materials in Literacy Education -- 3 hrs.

(LITED 6212)

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)

230:238. Advanced Assessment and Evaluation of Literacy Development -- 3 hrs.

(LITED 6238)

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)

230:239. Advanced Literacy Studies -- 3 hrs.

(LITED 6239)

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)

230:240. Language Development and Variability -- 3 hrs.

(LITED 6240)

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)

230:245. Ideological, Cultural, and Sociopolitical Issues in Children's Literature -- 3 hrs.

(LITED 6245)

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): 230:044 (LITED 1044) or consent of instructor. (Variable)

230:247. Remedial Reading -- 3 hrs.

(LITED 6247)

Selection, implementation, and interpretation of a variety of literacy assessment procedures and the development of effective individualized instructional programs. Prerequisite(s): 230:140 (LITED 2140) or 230:238 (LITED 6238) or written consent of instructor. Corequisite(s): 230:292 (LITED 6292). (Variable)

230:260. Roles of the Reading Specialist -- 3 hrs.

(LITED 6260)

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)

230:289. Seminar -- 2-4 hrs.

(LITED 6289)

Seminar topics to be announced in Schedule of Classes. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Variable)

230:290. Practicum -- 2-4 hrs.

(LITED 6290)

Supervised experience in teaching and/or supervision of instruction. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Offered Fall, Spring, and Summer)

230:292. Experience in Reading: Tutoring -- 3 hrs.

(LITED 6292)

Supervised tutoring in the field, involving assessment procedures and literacy instruction. Prerequisite(s): 230:140 (LITED 2140) or 230:238 (LITED 6238) or written consent of instructor. Corequisite(s): 230:247 (LITED 6247). (Variable)

230:299. Research -- 1-6 hrs.

(LITED 6299)

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. (Offered Fall, Spring, and Summer)

230:302. Reading Recovery Teacher Leader Clinical I -- 3 hrs.

(LITED 7302)

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. (Offered Fall)

230:303. Reading Recovery Teacher Leader Clinical II -- 3 hrs.

(LITED 7303)

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 230:302 (LITED 7302). Requirements for admission to Reading Recovery Teacher Leader training include completion of a Master's degree in education or a related area. Successful completion of the Reading Recovery Teacher Leader training is based on successful completion of all the training courses. (Offered Spring)

230:304. Reading Recovery Teacher Leadership I -- 3 hrs.

(LITED 7304)

Participants will develop skills required for the role of Reading Recovery teacher leader. This course includes both classes that meet regularly and visits to existing Reading Recovery teacher training sites to observe the sessions and learn the skills of leading the classes. 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. (Offered Fall)

230:305. Reading Recovery Teacher Leadership II -- 3 hrs.

(LITED 7305)

Participants will continue to develop skills required for the role of Reading Recovery teacher leader. The course includes both classes that meet regularly and visits to existing Reading Recovery teacher training sites to observe and practice leading the sessions. Prerequisite(s): admission to this course requires admittance to Reading Recovery Teacher Leader Training and successful completion of 230:304 (LITED 7304). 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. (Offered Spring)

230:306. Reading Recovery Theories of Reading Difficulties -- 3 hrs.

(LITED 7306)

Intended for Reading Recovery teacher leaders-in-training. Students will learn about theories of reading difficulties and teaching children with 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 230:307 (LITED 7307). 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. (Offered Spring)

230:307. Reading Recovery Theories of Reading and Writing Processes -- 3 hrs.

(LITED 7307)

This course is intended for Reading Recovery teacher leaders-in-training. 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 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. (Offered Fall)

230:354. Curriculum Development and Evaluation in Reading/Language Arts -- 3 hrs.

(LITED 7354)

Current models, methodologies, and decision-making approaches for development and evaluation of K-12 programs. Prerequisite(s): 210:352 (ELEMECML 7352). (Variable)

230:389. Seminar in Reading -- 1 hr.

(LITED 7389)

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)

230:397. Practicum in Reading -- 2-4 hrs.

(LITED 7397)

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)

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240 Instructional Technology (INSTTECH)

240:020. Secondary Educational Technology and Design -- 2 hrs.

(INSTTECH 1020)

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. (Offered Fall, Spring, and Summer)

240:030. Classroom Computer Applications -- 3 hrs.

(INSTTECH 1030)

Use of microcomputer technology in the classroom. Emphasis on evaluating instructional software and integrating computer technology with common teaching/learning practices. Prerequisite(s): 240:020 (INSTTECH 1020) or 240:031 (INSTTECH 1031). (Offered Spring)

240:031. Educational Technology and Design -- 3 hrs.

(INSTTECH 1031)

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. (Offered Fall, Spring, and Summer)

240:131(g). Technology in Education -- 3 hrs.

(INSTTECH 4131/INSTTECH 5131)

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. (Offered Fall)

240:138(g). Visual Literacy -- 3 hrs.

(INSTTECH 4138/INSTTECH 5138)

Familiarize 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. (Offered Spring)

240:139(g). Media Planning and Production -- 3 hrs.

(INSTTECH 4139/INSTTECH 5139)

Planning and production steps essential for media production: processes, techniques, and services needed for the planning and production of multimedia projects. Students plan and produce a real-world instructional multimedia production. Lab as arranged. Prerequisite(s): 240:020 (INSTTECH 1020) or 240:031 (INSTTECH 1031) or consent of instructor; junior standing. (Offered Fall, Spring, and Summer)

240:140(g). Using Databases in Education -- 3 hrs.

(INSTTECH 4140/INSTTECH 5140)

Introduction to using databases in an educational setting. Study use of the data-driven decision making process in an educational setting. Students create a relational database that accommodates school records. Exploration of Internet integration into classroom curriculum. Prerequisite(s): 240:020 (INSTTECH 1020) or 240:031 (INSTTECH 1031); junior standing. (Offered Fall and Summer)

240:147(g). Digital Imaging -- 3 hrs.

(INSTTECH 4147/INSTTECH 5147)

Introduction to basic principles, skills, and techniques of capturing, manipulating and sharing digital images. Students will use image and video-editing software, digital cameras, and emerging applications to manipulate images and support digital collaboration. Prerequisite(s): junior standing. (Offered Fall and Summer)

240:150(g). Digital Instructional Television Production -- 3 hrs.

(INSTTECH 4150/INSTTECH 5150)

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): 240:139 (INSTTECH 4139/INSTTECH 5139); junior standing; consent of instructor. (Offered Spring)

240:153(g). Emerging Instructional Technologies -- 3 hrs.

(INSTTECH 4153/INSTTECH 5153)

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): 240:030 (INSTTECH 1030) or 240:139 (INSTTECH 4139/INSTTECH 5139); junior standing; consent of instructor. (Offered Fall and Summer)

240:160. Media Projects -- 1-4 hrs.

(INSTTECH 4160)

Specialized study in independent media projects. Credit to be determined at time of registration; project, credit and evaluation criteria require advance consent of instructor.

Sec. 1. Computer Applications. Prerequisite(s): 240:020 (INSTTECH 1020) or 240:031 (INSTTECH 1031).

Sec. 2. Digital Imaging. Prerequisite(s): 240:147 (INSTTECH 4147/INSTTECH 5147).

Sec. 3. Learning Environments.

Sec. 4. Multi-Media Authoring. Prerequisite(s): 240:030 (INSTTECH 1030).

Sec. 5. Television. Prerequisite(s): 240:150 (INSTTECH 4150/INSTTECH 5150).

Sec. 6. Visualization.

Sec. 7. Web Development. Prerequisite(s): 240:020 (INSTTECH 1020) or 240:031 (INSTTECH 1031).

May be repeated for maximum of 4 hours for any section. (Offered Fall, Spring, and Summer)

240:170(g). The Principles of Publication -- 3 hrs.

(INSTTECH 4170/INSTTECH 5170)

Focus on evaluation and design of electronically-produced materials. Introduces basic visual design principles and provides students with opportunities to apply these to the creation of both print and web-based media. Includes hands-on experience with web site design. Prerequisite(s): junior standing. (Offered Fall, Spring, and Summer)

240:186. Studies in Media -- 1-4 hrs.

(INSTTECH 3186)

(Offered Fall, Spring, and Summer)

240:189. Readings in Media -- 1-3 hrs.

(INSTTECH 4189)

(Offered Fall, Spring, and Summer)

240:205. Instructional Computing Design -- 3 hrs.

(INSTTECH 6205)

Evaluation and design of computer-based instructional materials. Involves hands-on experience in designing computer-based lessons and/or tutorials. Prerequisite(s): 240:240 (INSTTECH 6240). (Offered Spring and Summer)

240:210. Distance Education -- 3 hrs.

(INSTTECH 6210)

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. (Offered Spring)

240:230. Communication Theory in Media -- 3 hrs.

(INSTTECH 6230)

Contemporary theory of human and mass communication, learning, perception, and propaganda as they apply to message design utilizing communication media. (Offered Spring)

240:232. Selection and Integration of Instructional Technology -- 3 hrs.

(INSTTECH 6232)

Examination of new technologies that generate need for new literacies for 21st century students. Includes procedures for selection and integration of instructional technologies to support learning involving use of both computer-based and non-computer-based materials. (Variable)

240:235. Performance Management and Technology -- 3 hrs.

(INSTTECH 6235)

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. (Offered Fall)

240:237. Coordinating Technology in an Educational Setting -- 3 hrs.

(INSTTECH 6237)

Examination of the many roles assumed by a technology coordinator in an educational setting. Exploration of the processes of technology planning, management, and support in both theory and through practical applications. (Offered Spring)

240:240. Instructional Development -- 3 hrs.

(INSTTECH 6240)

Analysis and synthesis for structuring learning environments including learner, task, environmental, and instructional strategy analysis. Includes an emphasis on adult learning theories. (Offered Fall)

240:245. Applied Instructional Design -- 3 hrs.

(INSTTECH 6245)

Case-based analysis of instructional design scenarios and application of current research and theory into the instructional design process. Prerequisite(s): 240:240 (INSTTECH 6240) (Offered Spring)

240:260. Advanced Media Projects -- 1-4 hrs.

(INSTTECH 6260)

Specialized study in independent media projects. Credit to be determined at time of registration; project, credit, and evaluation criteria require advance consent of instructor.

Sec. 1. Computer Applications. Prerequisite(s): 240:139 (INSTTECH 4139/INSTTECH 5139).

Sec. 2. Digital Imaging. Prerequisite(s): 240:147 (INSTTECH 4147/INSTTECH 5147).

Sec. 3. Learning Environments.

Sec. 4. Multimedia Authoring.

Sec. 5. Television. Prerequisite(s): 240:150 (INSTTECH 4150/INSTTECH 5150).

Sec. 6. Visualization.

Sec. 7. Web Development. Prerequisite(s): 240:170 (INSTTECH 4170/INSTTECH 5170).

May be repeated for maximum of 4 hours for any section. (Offered Fall, Spring, and Summer)

240:285. Readings in Media -- 1-3 hrs.

(INSTTECH 6285)

Review of individualized selected readings in an area of emphasis as determined by instructor and student. May be repeated for maximum of 3 hours. (Offered Fall, Spring, and Summer)

240:286. Studies in Media -- 1-4 hrs.

(INSTTECH 6286)

Individualized study of a specific problem or application in an area as determined by instructor and student. (Offered Fall, Spring, and Summer)

240:289. Seminar -- 1 hr.

(INSTTECH 6289)

Special topics listed in Schedule of Classes. May be repeated on different topics for maximum of 3 hours. (Offered Fall, Spring, and Summer)

240:297. Practicum -- 2-3 hrs.

(INSTTECH 6297)

(Offered Fall, Spring, and Summer)

240:299. Research.

(INSTTECH 6299)

(Offered Fall, Spring, and Summer)

240:340. Designing Instructional Systems -- 3 hrs.

(INSTTECH 7340)

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)

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250 Measurement and Research (MEASRES)

250:150. Classroom Assessment -- 2 hrs.

(MEASRES 3150)

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. Prerequisite(s): [200:017](#) (EDPSYCH 2017); [200:030](#) (EDPSYCH 2030). Prerequisite(s) or corequisite(s): [200:128](#) (EDPSYCH 3128); [200:148](#) (EDPSYCH 3148). (Offered Fall, Spring, and Summer)

250:180(g). Statistical Methods in Education -- 3 hrs.

(MEASRES 4180/MEASRES 5180)

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. (Offered Fall and Spring)

250:181(g). Educational Evaluation in Teaching -- 3 hrs.

(MEASRES 4181/MEASRES 5181)

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): [200:148](#) (EDPSYCH 3148); [250:150](#) (MEASRES 3150) or equivalent; junior standing. (Variable)

250:205. Educational Research -- 3 hrs.

(MEASRES 6205)

Evaluation of educational research concepts, including purposes, hypotheses, principles of research design, data collection, and interpretation of results. (Offered Fall, Spring, and Summer)

250:270. Educational Program Evaluation -- 3 hrs.

(MEASRES 6270)

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)

250:281. Statistics and Measurement -- 3 hrs.

(MEASRES 6281)

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): [250:180](#) (MEASRES 4180/MEASRES 5180) or the equivalent. (Offered Summer)

250:282. Individual Intellectual Assessment -- 3 hrs.

(MEASRES 6282)

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. (Offered Fall)

250:283. Academic Assessment and Intervention -- 3 hrs.

(MEASRES 6283)

Ecological approach to academic assessment and intervention; discussion of curriculum-based and standardized measures, ethical considerations and measurement principles; and introduction to academic interventions. (Offered Spring)

250:284. Advanced Psychodiagnostics -- 3 hrs.

(MEASRES 6284)

Tests of academic and socio-emotional development of individual students, including interpretation and

dissemination of results; ethical considerations and measurement principles. (Offered Fall)

250:285. Readings.

(MEASRES 6285)

(Variable)

250:289. Seminar in Evaluation and Research.

(MEASRES 6289)

(Variable)

250:299. Research.

(MEASRES 6299)

(Variable)

250:300. Descriptive Educational Research -- 3 hrs.

(MEASRES 7300)

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): 250:180 (MEASRES 4180/MEASRES 5180); 250:205 (MEASRES 6205); 250:281 (MEASRES 6281); or consent of department. (Offered Fall)

250:301. Advanced Experimental Research in Education -- 3 hrs.

(MEASRES 7301)

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): 250:180 (MEASRES 4180/MEASRES 5180); 250:205 (MEASRES 6205); 250:281 (MEASRES 6281); or consent of department. (Variable)

250:310. Advanced Qualitative Methods in Educational Research -- 3 hrs.

(MEASRES 7310)

In-depth examination of the practice of qualitative inquiry. Focus on field work project leading to potentially publishable paper. Prerequisite(s): 190:305 (INTDEPED 7305); consent of department. (Variable)

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260 Social Foundations (SOCFOUND)

260:119. Schools and American Society -- 3 hrs.

(SOCFOUND 3119)

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): 200:128 (EDPSYCH 3128); 200:148 (EDPSYCH 3148); 250:150 (MEASRES 3150). (Offered Fall, Spring, and Summer)

260:134(g). History of Education -- 3 hrs.

(SOCFOUND 4134/SOCFOUND 5134)

Education as a formal institution; emphasis on the historical antecedents which have affected education in Western Culture and America. Prerequisite(s): junior standing. (Variable)

260:234. Philosophy of Education -- 3 hrs.

(SOCFOUND 6234)

Analytical study of major philosophical viewpoints of modern education, emphasis on professional problems of education and the development of educational principles. (Offered Fall)

260:299. Research.

(SOCFOUND 6299)

(Variable)

2010-2012 UNI Catalog 270 Educational Leadership (EDLEAD)

270:198. Independent Study.

(EDLEAD 4198)

(Variable)

270:206. Orientation to Educational Leadership -- 2 hrs.

(EDLEAD 6206)

Orientation to study of school leadership, historical development of schools, philosophical perspectives impacting educational practices, and issues and trends influencing educational developments. (Offered Fall)

270:224. Organizational Studies -- 1-3 hrs.

(EDLEAD 6224)

Provides knowledge base for study of contemporary and classical thought on organization behavior and organization development in schools. Prerequisite(s): 270:206 (EDLEAD 6206); 270:245 (EDLEAD 6245). (Variable)

270:232. School Governance, Law and Intersystems Relations -- 3 hrs.

(EDLEAD 6232)

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): 270:206 (EDLEAD 6206); 270:245 (EDLEAD 6245). (Variable)

270:245. Leadership -- 3 hrs.

(EDLEAD 6245)

Study of contemporary leadership, change, and staff development in school organizations. (Variable)

270:247. Organization Management: School and Community -- 3 hrs.

(EDLEAD 6247)

Examination of the key administrative concepts and techniques employed by effective school principals. Prerequisite(s): 270:206 (EDLEAD 6206); 270:245 (EDLEAD 6245); or consent of instructor. (Variable)

270:249. Curriculum and Assessment -- 3 hrs.

(EDLEAD 6249)

Knowledge and skills for elementary and secondary principals in providing leadership in curriculum development practices commensurate with individual, school, and community belief systems. Prerequisite(s): 270:206 (EDLEAD 6206); 270:245 (EDLEAD 6245); or consent of instructor. (Variable)

270:282. Change and Transformation -- 2 hrs.

(EDLEAD 6282)

Integration of knowledge about leadership, change, and staff development into a holistic vision of leading a school transformation project. Prerequisite(s): 270:206 (EDLEAD 6206); 270:245 (EDLEAD 6245); or consent of instructor. (Variable)

270:284. Evaluator Approval for Improved Student Learning -- 3 hrs.

(EDLEAD 6284)

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): 270:206 (EDLEAD 6206); 270:245 (EDLEAD 6245); or consent of instructor. (Variable)

270:285. Readings in Educational Leadership.

(EDLEAD 6285)

Prerequisite(s): written consent of instructor. (Offered Fall, Spring, and Summer)

270:289. Seminar in Educational Leadership.

(EDLEAD 6289)

Seminars offered on special topics as indicated in the Schedule of Classes. (Variable)

270:290. Practicum in Principalship -- 2-4 hrs.

(EDLEAD 6290)

Offered on credit/no credit basis only. Prerequisite(s): practicum integrated throughout program. (Offered Fall, Spring, and Summer)

270:291. Internship -- 1-5 hrs.

(EDLEAD 6291)

Advanced supervised experience to further develop skills. May be repeated. Offered on credit/no credit basis only. Prerequisite(s): 270:206 (EDLEAD 6206); 270:245 (EDLEAD 6245); consent of instructor. (Variable)

270:292. Internship - Capstone -- 4 hrs.

(EDLEAD 6292)

Final project with a work product relevant to the needs of the school district. Prerequisite(s): 270:206 (EDLEAD 6206); 270:245 (EDLEAD 6245); consent of advisor. (Variable)

270:299. Research.

(EDLEAD 6299)

(Variable)

270:310. Human Resource Administration -- 3 hrs.

(EDLEAD 7310)

Teacher selection and placement, promotion, tenure, collective bargaining and retirement; administration of pupil personnel facilitating services. (Variable)

270:311. Educational Leadership and Systems Change -- 3 hrs.

(EDLEAD 7311)

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 170:311 (POSTSEC 7311)) (Variable)

270:315. Leading Teaching, Learning and Assessment -- 3 hrs.

(EDLEAD 7315)

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)

270:318. Evaluation of Administrators -- 2 hrs.

(EDLEAD 7318)

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)

270:319. Power, Politics, and Ethics in School District Leadership -- 3 hrs.

(EDLEAD 7319)

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)

270:325. Organization, Governance, and Administration of Public Education -- 3 hrs.

(EDLEAD 7325)

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)

270:340. Funding the Educational Program for Improved Student Achievement -- 3 hrs.

(EDLEAD 7340)

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)

270:346. School Business Management -- 3 hrs.

(EDLEAD 7346)

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): 270:340 (EDLEAD 7340); master's degree in Educational Leadership or the Principalship certification. (Variable)

270:354. Collective Bargaining in the Public Sector -- 1-3 hrs.

(EDLEAD 7354)

Basic principles of collective bargaining as they apply to educational administration. (Variable)

270:385. Readings in Educational Leadership.

(EDLEAD 7385)

Individualized list of selected readings in an area of emphasis, as determined by instructor and student. Prerequisite(s): written consent of instructor. (Offered Fall and Spring)

270:389. Seminar in Educational Leadership.

(EDLEAD 7389)

Offered on special topics as determined and scheduled by the department. Limited to post-master's students. (Variable)

270:391. Internship in Educational Leadership -- 1-9 hrs.

(EDLEAD 7391)

Advanced supervised experience to further develop skills. May be repeated. Offered on credit/no credit basis only. Prerequisite(s): consent of advisor. (Variable)

270:397. Practicum in Educational Leadership -- 2-4 hrs.

(EDLEAD 7397)

May be repeated. Offered on credit/no credit basis only. Limited to post-master's students. Prerequisite(s): consent of advisor. (Offered Fall and Spring)

2010-2012 UNI Catalog 280 Teaching (TEACHING)

280:132. Early Childhood Teaching -- 4-12 hrs.

(TEACHING 3132)

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. (Offered Fall, Spring, and Summer)

280:134. Elementary Teaching -- 4-12 hrs.

(TEACHING 3134)

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. (Offered Fall and Spring)

280:135. Special Education Teaching -- 4-12 hrs.

(TEACHING 3135)

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. (Offered Fall and Spring)

280:137. Middle School/Junior High Teaching -- 4-12 hrs.

(TEACHING 3137)

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. (Offered Fall and Spring)

280:138. Secondary School Teaching -- 4-12 hrs.

(TEACHING 3138)

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. (Offered Fall and Spring)

280:139. Vocational/Technical Teaching -- 4-12 hrs.

(TEACHING 3139)

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. (Offered Fall and Spring)

280:140. Special Area Teaching: Art, ESL, Music, and Physical Education -- 4-12 hrs.

(TEACHING 3140)

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. (Offered Fall and Spring)

280:150. Laboratory Practice - Elementary.

(TEACHING 3150)

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)

280:151. Laboratory Practice - Secondary.

(TEACHING 3151)

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)

280:170(g). Human Relations: Awareness and Application -- 3 hrs.

(TEACHING 4170/TEACHING 5170)

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): junior standing. (Offered Fall, Spring, and Summer)

280:191(g). Supervision of Student Teaching -- 3 hrs.

(TEACHING 4191/TEACHING 5191)

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)

280:250. Advanced Laboratory Practice -- 2-12 hrs.

(TEACHING 6250)

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. (Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog 290 Counseling (COUN)

290:103(g). Introduction to Professional Counseling -- 3 hrs.

(COUN 4103/COUN 5103)

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. (Offered Fall and Spring)

290:105(g). Counseling Skills -- 3 hrs.

(COUN 4105/COUN 5105)

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. (Offered Fall and Spring)

290:198. Independent Study.

(COUN 4198)

(Variable)

290:205. Counseling Processes with Individuals and Systems -- 3 hrs.

(COUN 6205)

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): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105) (grade of B or higher); 290:227 (COUN 6227) (highly recommended); consent of department head. (Offered Spring)

290:210. Developing Comprehensive School Counseling Programs -- 3 hrs.

(COUN 6210)

Focus on managing, organizing, and designing K-12 comprehensive, sequential, developmental guidance programs. Prerequisite(s): School Counseling major; 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); consent of department head. (Offered Summer)

290:220. Group Counseling Skills and Processes -- 3 hrs.

(COUN 6220)

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): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); consent of department head. (Offered Fall and Spring)

290:225. Facilitating Career Development -- 3 hrs.

(COUN 6225)

Exploration of career development theory and career counseling techniques. Emphasis on significance of occupational choice; examination of sociological, psychological, and economic factors. Prerequisite(s): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); consent of department head. (Offered Summer)

290:226. Ethics, Supervision, Crisis and Consultation -- 3 hrs.

(COUN 6226)

Provides an overview of ethics, the consultation and supervision processes, and crisis response by counseling professionals. Prerequisite(s): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); 290:205 (COUN 6205) or 290:254 (COUN 6254); consent of department head. (Offered Spring and Summer)

290:227. Counseling Theory -- 3 hrs.

(COUN 6227)

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): 290:103 (COUN 4103/COUN 5103) and/or 290:105 (COUN 4105/COUN 5105). (Offered Fall and Summer)

290:228. Assessment Techniques in Counseling -- 3 hrs.

(COUN 6228)

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): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); 290:205 (COUN 6205) (highly recommended); consent of department head. (Offered Fall and Spring)

290:241. Treatment Procedures in Mental Health Counseling -- 3 hrs.

(COUN 6241)

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): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); 290:205 (COUN 6205); 290:227 (COUN 6227); 290:228 (COUN 6228) (highly recommended); 400:142 (PSYCH 3403/PSYCH 5403); consent of department head. (Offered Summer)

290:250. Family Counseling -- 3 hrs.

(COUN 6250)

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): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); 290:227 (COUN 6227) (highly recommended); consent of department head. (Offered Fall and Spring)

290:254. Counseling Children and Adolescents -- 3 hrs.

(COUN 6254)

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): 290:105 (COUN 4105/COUN 5105) (grade of B or higher); 290:227 (COUN 6227) (highly recommended); consent of department head. (Offered Fall)

290:256. Multicultural Counseling -- 3 hrs.

(COUN 6256)

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): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); 290:227 (COUN 6227); consent of department head. (Offered Spring and Summer)

290:262. Intervention and Prevention in Lifespan Development -- 3 hrs.

(COUN 6262)

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): 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); consent of department head. (Offered Fall)

290:285. Readings in Counseling.

(COUN 6285)

(Variable)

290:289. Seminar in Counseling.

(COUN 6289)

Special topics as indicated in the Schedule of Classes. (Variable)

290:290. Practicum in Counseling -- 3 hrs.

(COUN 6290)

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: 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); 290:220 (COUN 6220); 290:227 (COUN 6227); 290:250 (COUN 6250) (recommended); 290:254 (COUN 6254) (grade of B or higher); 290:262 (COUN 6262) (highly recommended); consent of department head. Prerequisite(s) for Mental Health Counseling: 290:103 (COUN 4103/COUN 5103); 290:105 (COUN 4105/COUN 5105); 290:205 (COUN 6205) (grade of B or higher); 290:220 (COUN 6220); 290:227 (COUN 6227); 290:241 (COUN 6241) (recommended/can take as corequisite); 290:250 (COUN 6250) (recommended); 400:142 (PSYCH 3403/PSYCH 5403); consent of department head. (Offered Fall and Spring)

290:291. Internship -- 3-6 hrs.

(COUN 6291)

Advanced intensive experience designed to integrate counseling and consultation skills in a work setting. Offered on credit/no credit basis only. Prerequisite(s): for School Counseling: 290:262 (COUN 6262); 290:290 (COUN 6290); consent of department head. Prerequisite(s) for Mental Health Counseling: 290:290 (COUN 6290); consent of department head. (Offered Fall and Spring)

290:299. Research.

(COUN 6299)

(Variable)

2010-2012 UNI Catalog
300 Safety Education (SAFETYED)

300:130(g). Driver and Traffic Safety I -- 3 hrs.

(SAFETYED 4130/SAFETYED 5130)

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. (Offered Variable through Continuing Education and Special Programs)

300:131(g). Driver and Traffic Safety II -- 3 hrs.

(SAFETYED 4131/SAFETYED 5131)

Classroom and in-the-car techniques of imparting instruction to high school students taking driver education. Prerequisite(s): junior standing. (Offered Variable through Continuing Education and Special Programs)

300:132(g). Directing the Safety Program -- 2 hrs.

(SAFETYED 4132/SAFETYED 5132)

Organization and administration of safety programs through the entire school system. Prerequisite(s): junior standing. (Offered Variable through Continuing Education and Special Programs)

300:140(g). Traffic Law Enforcement -- 3 hrs.

(SAFETYED 4140/SAFETYED 5140)

Acquaints safety and driver education teachers with the purposes of traffic law enforcement and traffic engineering. Prerequisite(s): junior standing. (Offered Variable through Continuing Education and Special Programs)

300:192(g). Experience in Safety Education -- 2-4 hrs.

(SAFETYED 4192/SAFETYED 5192)

Offered in various specialized fields; may be repeated once for credit in a different area. Maximum of 8 hours credit. Prerequisite(s): junior standing. (Offered Variable through Continuing Education and Special Programs)

2010-2012 UNI Catalog

310 Design, Textiles, Gerontology, & Family Studies (NUTR)

310:030. Basic Nutrition -- 2 hrs.

(NUTR 1030)

Study of nutrition in relation to growth development and maintenance of the body. No credit for 310:030 (NUTR 1030) (NUTR 1030) if credit previously earned in 310:032. (Variable)

310:031. Nutrition for Early Childhood Education -- 2 hrs.

(NUTR 1031)

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)

2010-2012 UNI Catalog
31F (Family Services/Family Studies) (FAM SERV)

31F:010. Human Identity and Relationships -- 3 hrs.

(FAM SERV 1010)

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. (Offered Fall and Spring)

31F:020. Family Relationships -- 3 hrs.

(FAM SERV 1020)

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. (Offered Fall and Spring)

31F:030. Research Methods in Family Science -- 3 hrs.

(FAM SERV 1030)

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. (Offered Fall and Spring)

31F:054. Decision Making in Family Systems -- 3 hrs.

(FAM SERV 2054)

Analysis of interpersonal relationship dynamics and dyadic decision-making using various theoretical perspectives. Study of evidence-based relationship enhancement strategies. Prerequisite(s): 31F:010 (FAM SERV 1010); 31F:020 (FAM SERV 1020). (Variable)

31F:055. Human Growth and Development -- 3 hrs.

(FAM SERV 1055)

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): 400:001 (PSYCH 1001) or consent of instructor. (Offered Fall and Spring)

31F:057. Human Relationships and Sexuality -- 3 hrs.

(FAM SERV 1057)

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. (Offered Fall and Spring)

31F:060. Strategies and Issues in Family Services -- 3 hrs.

(FAM SERV 2060)

Survey of prevention and intervention models, methods and professional issues involved in family services. Prerequisite(s): 31F:020 (FAM SERV 1020); 200:030 (EDPSYCH 2030) or 31F:055 (FAM SERV 1055) or 400:120 (PSYCH 2202). (Offered Fall and Spring)

31F:077. Management of Family Resources -- 3 hrs.

(FAM SERV 2077)

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. (Offered Fall)

31F:145(g). Violence in Intimate Relationships -- 3 hrs.

(FAM SERV 3145/FAM SERV 5145)

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)

31F:150(g). Families and Aging -- 3 hrs.

(FAM SERV 3150/FAM SERV 5150)

Identification of challenges and normative transitions associated with aging families. Application of developmental and family theories to tasks of adulthood and aging. Prerequisite(s): 31F:020 (FAM SERV 1020); 200:030 (EDPSYCH 2030) or 31F:055 (FAM SERV 1055) or 400:120 (PSYCH 2202); junior standing. (Offered Fall)

31F:153(g). Family Relationships in Crisis -- 3 hrs.

(FAM SERV 4153/FAM SERV 5153)

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): 31F:020 (FAM SERV 1020); 3 hours social science research methods; junior standing. (Variable)

31F:155(g). Parenting -- 3 hrs.

(FAM SERV 3155/FAM SERV 5155)

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): 31F:020 (FAM SERV 1020); 200:030 (EDPSYCH 2030) or 31F:055 (FAM SERV 1055) or 400:120 (PSYCH 2202); junior standing. (Offered Fall and Spring)

31F:157(g). Human Sexuality Education -- 3 hrs.

(FAM SERV 4157/FAM SERV 5157)

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): 31F:057 (FAM SERV 1057); 3 hours social science research methods; junior standing. (Variable)

31F:160(g). Family Assessment and Intervention -- 3 hrs.

(FAM SERV 3160/FAM SERV 5160)

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): 31F:060 (FAM SERV 2060); junior standing; consent of instructor. (Variable)

31F:162(g). Issues in Family Policy -- 3 hrs.

(FAM SERV 3162/FAM SERV 5162)

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): 31F:020 (FAM SERV 1020); junior standing. (Variable)

31F:177(g). The American Consumer -- 3 hrs.

(FAM SERV 3176/FAM SERV 5176)

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)

31F:178. Family Life Education -- 3 hrs.

(FAM SERV 4178)

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): 31F:020 (FAM SERV 1020); 31F:057 (FAM SERV 1057); 31F:060 (FAM SERV 2060); 3 hours social science research methods; senior standing as a Family Services major; or consent of instructor. (Variable)

31F:180(g). Problems in Family Services -- 1-4 hrs.

(FAM SERV 3180/FAM SERV 5180)

Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

31F:182(g). Research in Family Services -- 1-3 hrs.

(FAM SERV 3182/FAM SERV 5182)

Conduct supervised research and/or scholarly project. Prerequisite(s): research methods course; junior standing; consent of instructor. (Variable)

31F:184(g). Topics in Family Services -- 1-3 hrs.

(FAM SERV 4184/FAM SERV 5184)

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)

31F:190. Professional Practice in Family Services -- 3 hrs.

(FAM SERV 4190)

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): 31F:060 (FAM SERV 2060); Family Services majors only; consent of instructor. (Offered Fall and Spring)

31F:195. Internship in Family Services -- 9 hrs.

(FAM SERV 4195)

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): 31F:190 (FAM SERV 4190); senior standing. (Offered Fall, Spring, and Summer)

31F:198. Independent Study in Family Services.

(FAM SERV 4198)

(Variable)

2010-2012 UNI Catalog
31G (Gerontology) (GERO)

31G:170(g). Long Term Care Administration -- 3 hrs.

(GERO 4170/GERO 5170)

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 -- 31F:150 (FAM SERV 3150/FAM SERV 5150), 400:173 (PSYCH 3204/PSYCH 5204), 410:125 (HPE 4125/HPE 5125), 980:125 (SOC 3035/SOC 5035)); junior standing. (Variable)

31G:184(g). Topics in Gerontology -- 1-3 hrs.

(GERO 4184/GERO 5184)

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)

31G:192(g). Research in Gerontology -- 1-3 hrs.

(GERO 3192/GERO 5192)

Conduct supervised research and/or scholarly project. Prerequisite(s): research methods course; junior standing; consent of instructor. (Variable)

31G:193. Internship Seminar -- 1 hr.

(GERO 4193)

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): 31G:195 (GERO 4195) or 410:168 (HPE 4768) or 980:184 (SOC 3100/SOC 5100). (Same as 410:193 (HPE 3693)) (Variable)

31G:194(g). Problems in Gerontology -- 1-4 hrs.

(GERO 3194/GERO 5194)

Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

31G:195. Internship in Gerontology.

(GERO 4195)

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. Prerequisite(s) or corequisite(s): 31G:193 (GERO 4193). (Variable)

Sec. 2. Long Term Care track -- 1-12 hrs. May be repeated for maximum of 12 hours. Corequisite(s): 31G:193 (GERO 4193). (Variable)

31G:198. Independent Study in Gerontology.

(GERO 4198)

(Variable)

2010-2012 UNI Catalog

31I (Interior Design) (INTDSGN)

31I:061. Design Foundations -- 3 hrs.

(INTDSGN 1061)

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. (Offered Fall and Spring)

31I:063. Drafting I -- 3 hrs.

(INTDSGN 1063)

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): [31I:061](#) (INTDSGN 1061). (Offered Fall)

31I:064. Drafting II -- 3 hrs.

(INTDSGN 2063)

Emphasis on three-dimensional graphic representation in the field of interior design. Includes introduction to the computer. Prerequisite(s): [31I:063](#) (INTDSGN 1063). Corequisite(s): [31I:066](#) (INTDSGN 2024); [31I:125](#) (INTDSGN 2125); declared Interior Design majors only. (Offered Spring)

31I:065. Introduction to Interior Design -- 3 hrs.

(INTDSGN 1001)

Overview of interior design issues relating to design methods, human factors, professions and certifications, current concerns, and environments. (Variable)

31I:066. Design I -- 4 hrs.

(INTDSGN 2024)

Design and presentation skills developed through studio experiences in various media. Emphasis on perceptual and conceptual development in two and three dimensions. Corequisite(s): [31I:125](#) (INTDSGN 2125); declared Interior Design majors only. Prerequisite(s) or corequisite(s): [31I:064](#) (INTDSGN 2063); (Offered Spring)

31I:067. History of Interiors I -- 3 hrs.

(INTDSGN 1067)

Styles of furnishings, interiors, and architecture from antiquity to the mid-19th century. (Offered Fall)

31I:068. History of Interiors II -- 3 hrs.

(INTDSGN 2067)

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): [31I:067](#) (INTDSGN 1067). (Offered Spring)

31I:075. Computer Applications for Interior Design -- 3 hrs.

(INTDSGN 3065)

Advanced computer-aided design using AutoCAD and other related software in the field of interior design. Prerequisite(s): [31I:064](#) (INTDSGN 2063). (Offered Fall)

31I:125. Design II -- 4 hrs.

(INTDSGN 2125)

Interior design materials, structural components, building and mechanical systems, and lighting design. Prerequisite(s) or corequisite(s): [31I:064](#) (INTDSGN 2063); [31I:066](#) (INTDSGN 2024); declared Interior Design majors only. (Offered Spring)

31I:126. Design III -- 4 hrs.

(INTDSGN 3126)

Residential design. Programming, space planning, life safety issues, conceptualization, problem solving, and

presentation. Includes special populations and purposes. Prerequisite(s): 311:125 (INTDSGN 2125). Corequisite(s): 311:129 (INTDSGN 3129). (Offered Fall)

311:127. Design IV -- 4 hrs.

(INTDSGN 3127)

Non-residential. Programming, space planning, life safety issues, conceptualization, problem solving, and presentation. Includes special populations and purposes. Prerequisite(s): 311:126 (INTDSGN 3126). (Offered Spring)

311:128. Design V -- 4 hrs.

(INTDSGN 3128)

Complex residential/non-residential design problems incorporating applied research methods. Prerequisite(s): 311:127 (INTDSGN 3127). (Offered Fall)

311:129. Interior Design Standards -- 2 hrs.

(INTDSGN 3129)

Standards set by the profession for entry-level positions in Interior Design. Corequisite(s): 311:126 (INTDSGN 3126). (Offered Fall)

311:164. Professional Practice of Interior Design -- 3 hrs.

(INTDSGN 3164)

Profession and practice of Interior Design. Development of credentials and portfolio for job market entry. Prerequisite(s) or corequisite(s): 311:128 (INTDSGN 3128). (Offered Fall)

311:184(g). Topics in Interior Design -- 1-3 hrs.

(INTDSGN 4184/INTDSGN 5184)

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)

311:192(g). Research in Interior Design -- 1-3 hrs.

(INTDSGN 4192/INTDSGN 5192)

Conduct supervised research and/or scholarly project. Prerequisites: research methods course; junior standing; consent of instructor. (Variable)

311:194(g). Problems in Interior Design -- 1-4 hrs.

(INTDSGN 4194/INTDSGN 5194)

Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

311:195. Internship in Interior Design -- 4 hrs.

(INTDSGN 4195)

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. (Offered Fall, Spring, and Summer)

311:198. Independent Study in Interior Design.

(INTDSGN 4198)

(Variable)

2010-2012 UNI Catalog
31T (Textile and Apparel) (TEXDSGN)

31T:011. Computer Textile and Apparel Design Foundations -- 3 hrs.

(TEXDSGN 2006)

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): 31T:012 (TEXDSGN 1003). (Offered Fall)

31T:012. Creative Textile and Apparel Design Foundations -- 3 hrs.

(TEXDSGN 1003)

Investigation of elements and principles of design as they apply to textiles and apparel. (Variable)

31T:013. Introduction to Textile Materials -- 3 hrs.

(TEXDSGN 1002)

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. (Offered Fall and Spring)

31T:014. Apparel Design and Evaluation -- 3 hrs.

(TEXDSGN 2007)

Introduction to and development of apparel design, flat pattern, construction, tailoring, and couture skills to create and evaluate original apparel garments. Prerequisite(s): 31T:012 (TEXDSGN 1003); 31T:013 (TEXDSGN 1002). (Offered Spring)

31T:015. Multicultural Aspects of Apparel Design -- 3 hrs.

(TEXDSGN 1017)

Exploration of multicultural aesthetic and technical aspects of apparel design and assembly to create sample books, and apparel garments and accessories. (Variable)

31T:020. Introduction to the Textile and Apparel Industry -- 3 hrs.

(TEXDSGN 1001)

Overview of the structure of the textile and apparel industry. (Offered Fall and Spring)

31T:100. Computer Applications for the Textile and Apparel Industry -- 3 hrs.

(TEXDSGN 3008)

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): 31T:011 (TEXDSGN 2006). (Offered Spring)

31T:114(g). Dress and Human Behavior -- 3 hrs.

(TEXDSGN 4015/TEXDSGN 5015)

Textiles and apparel in relation to culture, society, and the individual. Survey and application of selected theories. Prerequisite(s): junior standing. (Offered Spring)

31T:115(g). Apparel Product Development, Merchandising, and Buying -- 3 hrs.

(TEXDSGN 4016/TEXDSGN 5016)

Application of merchandising concepts and buying concepts and procedures for planning, developing, sourcing, and presenting apparel product lines for identified target markets with regard to pricing, assorting, styling, and timing. Prerequisite(s): 31T:020 (TEXDSGN 1001); junior standing. (Offered Fall)

31T:116. History of Costume -- 3 hrs.

(TEXDSGN 2004)

Costume in the western world from ancient times to the present. (Offered Fall)

31T:119. Fashion Trend Analysis -- 3 hrs.

(TEXDSGN 3011)

Analysis of contemporary fashion trends using select theory and forecasting models. Prerequisite(s): 31T:020 (TEXDSGN 1001) (Variable)

31T:121. Fashion Promotion -- 3 hrs.

(TEXDSGN 2005)

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. (Offered Spring)

31T:122. Apparel Product Development, Planning and Design -- 3 hrs.

(TEXDSGN 3012)

Apparel products designed and created using a product development process, emphasizing the design process, line development, sourcing materials, costing, and garment production (couture and mass production). Advanced apparel production skills (draping and pattern grading) are further developed within apparel design projects. Prerequisite(s): 31T:014 (TEXDSGN 2007). (Offered Fall)

31T:123. Textile Structures -- 3 hrs.

(TEXDSGN 3009)

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): 31T:013 (TEXDSGN 1002). (Offered Spring)

31T:124. Quality Assurance for Textile Materials -- 3 hrs.

(TEXDSGN 3010)

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): 31T:013 (TEXDSGN 1002). (Offered Fall)

31T:184(g). Topics in Textile and Apparel -- 1-3 hrs.

(TEXDSGN 4184/TEXDSGN 5184)

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)

31T:185. Professional Development: Textile and Apparel -- 2 hrs.

(TEXDSGN 3013)

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): 31T:014 (TEXDSGN 2007); 31T:115 (TEXDSGN 4016/TEXDSGN 5016). (Offered Fall)

31T:192(g). Research in Textiles and Apparel -- 1-3 hrs.

(TEXDSGN 4192/TEXDSGN 5192)

Conduct supervised research and/or scholarly project. Prerequisite(s): research methods course; junior standing; consent of instructor. (Variable)

31T:194(g). Problems in Textiles and Apparel -- 1-4 hrs.

(TEXDSGN 4194/TEXDSGN 5194)

Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

31T:195. Internship in Textile and Apparel -- 4 hrs.

(TEXDSGN 4195)

Supervised experience in approved work situation. Transfer students must complete one full semester in residence before being approved for internship. Prerequisite(s): 31T:011 (TEXDSGN 2006); 31T:012 (TEXDSGN 1003);

31T:013 (TEXDSGN 1002); 31T:014 (TEXDSGN 2007); 31T:020 (TEXDSGN 1001); 31T:100 (TEXDSGN 3008).
(Offered Summer)

31T:198. Independent Study in Textiles and Apparel.
(TEXDSGN 4198)
(Variable)

2010-2012 UNI Catalog

330 Industrial Technology (TECH)

330:008. Manufacturing Processes I -- 3 hrs.

(TECH 1008)

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. (Offered Fall and Spring)

330:010. Metal Removal Processes -- 3 hrs.

(TECH 1010)

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. (Offered Fall and Spring)

330:017. Computer-Aided Design and Drafting -- 3 hrs.

(TECH 1017)

Fundamental concepts and procedures of producing 2D drafting and 3D solid modeling applicable to design and/or drafting in such areas as architecture, communications, electronics, manufacturing, and interior planning. Lab activities using CAD software on microcomputer systems. (Variable)

330:018. Construction Resources -- 3 hrs.

(TECH 1018)

Examination of the resources commonly utilized in the construction industry--money, materials, methods, processes, personnel--and their management. (Offered Fall and Spring)

330:019. Introduction to Technology Education and Training -- 3 hrs.

(TECH 1019)

Evolution and contemporary approaches in technology education and training. Examination of career opportunities. (Offered Fall)

330:020. Communication Systems -- 3 hrs.

(TECH 2020)

Industrial communications techniques, tools, and management strategies associated with design and delivery of messages in organizations. (Offered Fall and Spring)

330:022. Communication Technology -- 4 hrs.

(TECH 1022)

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. (Offered Fall and Spring)

330:023. Technical Drawing and Design II -- 3 hrs.

(TECH 2024)

Engineering design process, geometric dimensioning and tolerancing pertaining to ANSI Y14.5M-1994, fasteners, gears, cams, assembly modeling, and rapid prototyping. Prerequisite(s): [330:024](#) (TECH 1024) (Offered Fall)

330:024. Technical Drawing and Design I -- 3 hrs.

(TECH 1024)

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): [330:017](#) (TECH 1017) or equivalent. (Offered Spring)

330:025. Construction Graphics -- 3 hrs.

(TECH 1025)

Analysis of the techniques utilized in the designing and developing of specifications and working drawings for commercial construction. Prerequisite(s) or corequisite(s): 330:018 (TECH 1018). (Variable)

330:036. Power Technology -- 3 hrs.

(TECH 2036)

Introduction to energy and mechanical power systems. Lecture and lab cover traditional and emerging electrical power technologies such as renewable energy applications. (Offered Fall)

330:037. Introduction to Circuits -- 3 hrs.

(TECH 1037)

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): 800:046 (MATH 1140) or equivalent or consent of instructor. (Offered Fall)

330:038. Introduction to Electrical Power and Machinery -- 3 hrs.

(TECH 2038)

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): 330:037 (TECH 1037); 330:039 (TECH 1039) or consent of instructor. (Offered Fall)

330:039. Circuits and Systems -- 3 hrs.

(TECH 1039)

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) or corequisite(s): 330:037 (TECH 1037); 800:048 (MATH 1150) or 800:060 (MATH 1420); or consent of instructor. (Offered Spring)

330:040. Fundamentals of Metal Casting Engineering Technology -- 2 hrs.

(TECH 1040)

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)

330:041. Introduction to Analog Electronics -- 3 hrs.

(TECH 2041)

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) or corequisite(s): 330:037 (TECH 1037); 330:039 (TECH 1039). (Offered Fall)

330:042. Introduction to Digital Electronics -- 3 hrs.

(TECH 2042)

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): 330:037 (TECH 1037); 330:039 (TECH 1039). (Offered Fall)

330:043. Managing Manufacturing Systems -- 3 hrs.

(TECH 2043)

Manufacturing functions related to forecasting, project planning, operations cost analysis, plant layout, process planning and control, supply chain management, lean manufacturing, and quality control. Prerequisite(s): sophomore standing. (Formerly 330:143g) (Offered Fall and Spring)

330:045. Construction Law and Documentation -- 3 hrs.

(TECH 2045)

Examination of construction contract principles, construction documents, and the component parts of law affecting construction operations. Prerequisite(s): 330:025 (TECH 1025). (Variable)

330:055. Graphic Communications Foundations -- 4 hrs.

(TECH 1055)

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. (Offered Fall)

330:060. Fundamentals of Automated Manufacturing -- 3 hrs.

(TECH 2060)

Flexible and fixed automation systems: transfer lines, CNC programming, robotics, and FMSs. Prerequisite(s): sophomore standing. (Offered Fall and Spring)

330:065. Technology in Society and Organizations -- 3 hrs.

(TECH 1065)

Study of technology in society and the workplace, including selection, utilization, management, impact, and optimization. Focused experiences will facilitate technological literacy. (Offered Fall and Spring)

330:070. Digital Prepress -- 3 hrs.

(TECH 2070)

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. (Offered Fall)

330:072. Engineering Materials -- 3 hrs.

(TECH 2072)

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): 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); sophomore standing. (Offered Fall and Spring)

330:080. Statics and Strength of Materials -- 3 hrs.

(TECH 2080)

Evaluation of force and force resultants, and reporting of material characteristics and strength, and probable usefulness in the construction of structures. Prerequisite(s): 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701). Prerequisite(s) or corequisite(s): 330:072 (TECH 2072); sophomore standing. (Formerly 330:170) (Offered Fall and Spring)

330:096. Construction Safety -- 3 hrs.

(TECH 2096)

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. (Offered Fall)

330:100. Undergraduate Research in Construction Management -- 3 hrs.

(TECH 4100)

Senior group research project pertaining to a topic in construction. Includes an oral and written presentation of the findings, conclusions, and recommendations. Prerequisite(s): 330:154 (TECH 4154/TECH 5154). Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Offered Spring)

330:101(g). History and Philosophy of Career and Technical Education -- 2 hrs.

(TECH 3101/TECH 5101)

Philosophy and historical development, principles, practices, and organization of public career and technical and

adult education in the nation. Prerequisite(s): junior standing (Variable)

330:102. Living in Our Techno-Social World -- 3 hrs.

(TECH 3102)

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:102 (CAP 3102)*) (Offered Spring)

330:103(g). Electronic Communications -- 3 hrs.

(TECH 4103/TECH 5103)

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): [330:152](#) (TECH 2152); [330:156](#) (TECH 2156); [800:048](#) (MATH 1150) or [800:060](#) (MATH 1420); junior standing. (Offered Fall)

330:104(g). Applied Digital Signal Processing -- 3 hrs.

(TECH 4104/TECH 5104)

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): [330:156](#) (TECH 2156) or [810:041](#) (CS 1410); [810:036](#) (CS 1160); junior standing. (Offered Spring)

330:112. Industrial Projects I -- 1 hr.

(TECH 4112)

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 [330:197](#) (TECH 4197) (TECH 4197) in spring semester. Prerequisite(s): senior standing; 12 semester hours completed in major concentration or consent of instructor. (Offered Fall)

330:113. Manufacturing Tooling -- 3 hrs.

(TECH 3113)

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): [330:008](#) (TECH 1008); [330:010](#) (TECH 1010); [330:023](#) (TECH 2024); [330:024](#) (TECH 1024); [330:060](#) (TECH 2060); [800:048](#) (MATH 1150) or [800:060](#) (MATH 1420); [880:054](#) (PHYSICS 1511) or [880:130](#) (PHYSICS 1701); junior standing or consent of instructor. (Offered Spring)

330:114. Product Development and Enterprise -- 3 hrs.

(TECH 3114)

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): [330:008](#) (TECH 1008); [330:017](#) (TECH 1017) or [330:022](#) (TECH 1022) or [330:024](#) (TECH 1024); or consent of instructor; junior standing. (Offered Fall)

330:115. Fundamentals of Electrical and Electronic Technology -- 3 hrs.

(TECH 1115)

Basic DC/AC electrical circuits, electrical machines, analog/digital electronics fundamentals, electronic devices/systems, actuators, sensors, AD/DA converters and their applications. Prerequisite(s): [800:046](#) (MATH 1140) or equivalent. (Variable)

330:119. Computer Applications in Industrial Technology -- 3 hrs.

(TECH 2119)

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)

330:120. Technology Education Curriculum Planning -- 3 hrs.

(TECH 3120)

Development of programs and courses for technology education and related fields, including content decision-making, delivery strategies, and program evaluation. Prerequisite(s): 330:019 (TECH 1019); junior standing. (Offered Fall)

330:121(g). Applied Technology Systems -- 3 hrs.

(TECH 3121/TECH 5121)

Applications and analysis of technology systems. Also includes equipment operation, maintenance, and safety. Prerequisite(s): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:024 (TECH 1024); junior standing. (Offered Spring)

330:122(g). Advanced CAD and Modeling -- 3 hrs.

(TECH 3122/TECH 5122)

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): 330:023 (TECH 2024); 330:024 (TECH 1024); junior standing. (Variable)

330:124. Mechanical Systems in Construction -- 3 hrs.

(TECH 3124)

Basic principles, methods, and equipment pertaining to building mechanical systems (heating, cooling, ventilation, and plumbing) related to human health and comfort. Prerequisite(s): 330:045 (TECH 2045). Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Offered Spring)

330:125(g). Commercial and Heavy/Highway Construction -- 3 hrs.

(TECH 3125/TECH 5125)

Examination of systems and operational procedures used to construct commercial, heavy and highway projects. Study of soil mechanics, analysis/design of rigid and flexible pavements for airports and highways. Earthmoving, dewatering, and construction economics. Prerequisite(s): 120:030 (ACCT 2120); 150:080 (MGMT 2080); 330:025 (TECH 1025); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Offered Spring)

330:126(g). Land, Route, and Construction Surveying -- 3 hrs.

(TECH 3126/TECH 5126)

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): 330:018 (TECH 1018); 330:025 (TECH 1025); 800:060 (MATH 1420); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Variable)

330:127. Transport Phenomena for Technologists -- 3 hrs.

(TECH 3127)

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): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:023 (TECH 2024); 330:024 (TECH 1024); 330:043 (TECH 2043); 330:060 (TECH 2060); 330:072 (TECH 2072); 330:080 (TECH 2080); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Offered Spring 2011)

330:128. Electrical Construction Materials and Methods -- 3 hrs.

(TECH 3128)

Basic principles of electricity and materials. Methods of electrical system designs in building construction.

Prerequisite(s): 330:045 (TECH 2045). Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Offered Fall)

330:129(g). Linear Control Systems -- 3 hrs.

(TECH 3129/TECH 5129)

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): 330:152 (TECH 2152); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing. (Offered Fall)

330:131(g). Technical Project Management -- 3 hrs.

(TECH 3131/TECH 5131)

Project management concepts, needs identification, composition and role of project teams, project communication, related project management techniques, practical implementation, and project management software. Prerequisite(s): junior standing. (Variable)

330:132. Applied Metallurgy -- 3 hrs.

(TECH 3132)

Advanced principles of metallurgy, properties, microstructural analysis, heat treatment, testing, and inspection of metals and alloys used in manufacturing. Lecture and lab. Prerequisite(s): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:072 (TECH 2072); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Offered Fall)

330:134. Molding Practices in Metal Casting -- 3 hrs.

(TECH 3134)

Study of molding practices used in contemporary metal casting. Prerequisite(s): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:023 (TECH 2024); 330:024 (TECH 1024); 330:043 (TECH 2043); 330:060 (TECH 2060); 330:072 (TECH 2072); 330:080 (TECH 2080); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Offered Fall 2011)

330:135(g). Product Design -- 3 hrs.

(TECH 3135/TECH 5135)

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): 330:023 (TECH 2024); 330:024 (TECH 1024); 330:122 (TECH 3122/TECH 5122); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing. (Offered Spring)

330:136. Melting Practices in Metal Casting -- 3 hrs.

(TECH 4136)

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): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:023 (TECH 2024); 330:024 (TECH 1024); 330:043 (TECH 2043); 330:060 (TECH 2060); 330:072 (TECH 2072); 330:080 (TECH 2080); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Offered Fall 2010)

330:137. Tooling Practices in Metal Casting -- 3 hrs.

(TECH 4137)

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): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:023 (TECH 2024); 330:024 (TECH 1024); 330:043 (TECH 2043); 330:060 (TECH 2060); 330:072 (TECH 2072); 330:080 (TECH 2080); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054

(PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Offered Spring 2012)

330:142. Statistical Quality Control -- 3 hrs.

(TECH 2142)

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): 800:046 (MATH 1140) or 800:048 (MATH 1150) or 800:060 (MATH 1420) or 800:072 (STAT 1772); sophomore standing. (Offered Fall and Spring)

330:144. Web Publishing -- 3 hrs.

(TECH 1144)

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): 330:022 (TECH 1022). (Offered Fall)

330:145. Production Planning and Control -- 3 hrs.

(TECH 3145)

Design, analysis, and management of production systems. Topics include: work measurement, methods improvement, demand flow, cost of manufacturing, materials requirement planning (MRP), job/machine scheduling, line balancing, facilities planning, process planning. Prerequisite(s): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:023 (TECH 2024); 330:024 (TECH 1024); 330:043 (TECH 2043); 330:060 (TECH 2060); 330:072 (TECH 2072); 330:080 (TECH 2080); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Variable)

330:147. Computer Aided Manufacturing -- 3 hrs.

(TECH 3147)

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): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:023 (TECH 2024); 330:024 (TECH 1024); 330:043 (TECH 2043); 330:060 (TECH 2060); 330:072 (TECH 2072); 330:080 (TECH 2080); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Variable)

330:148. Machine Design -- 3 hrs.

(TECH 3148)

Principles of design for machine elements, failure analysis, clutches, brakes, dynamic loads, and balancing. Prerequisite(s): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:023 (TECH 2024); 330:024 (TECH 1024); 330:043 (TECH 2043); 330:060 (TECH 2060); 330:072 (TECH 2072); 330:080 (TECH 2080); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Offered Fall)

330:149. Construction Estimating -- 3 hrs.

(TECH 3149)

Construction cost analysis techniques for estimating materials, labor, equipment, and subcontracting costs in commercial building construction. Prerequisite(s): 330:018 (TECH 1018); 330:025 (TECH 1025); 330:045 (TECH 2045). Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. Corequisite(s): 330:124 (TECH 3124). (Offered Spring)

330:150(g). Graphic Communications Imaging -- 3 hrs.

(TECH 3150/TECH 5150)

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): 330:055 (TECH 1055); junior standing. (Offered Spring)

330:152. Advanced Analog Electronics -- 3 hrs.

(TECH 2152)

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): 330:037 (TECH 1037); 330:039 (TECH 1039); 330:041 (TECH 2041); 800:048 (MATH 1150) or 800:060 (MATH 1420); sophomore standing (Offered Spring)

330:153(g). Construction Project Planning, Scheduling and Controlling -- 3 hrs.

(TECH 4153/TECH 5153)

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): 330:154 (TECH 4154/TECH 5154); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Offered Spring)

330:154(g). Computerized Construction Estimating -- 3 hrs.

(TECH 4154/TECH 5154)

Utilization of contemporary and emerging building estimating software and advanced estimating techniques. Prerequisite(s): 330:149 (TECH 3149); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Offered Fall)

330:155(g). Finite Element Analysis -- 3 hrs.

(TECH 4155/TECH 5155)

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): 330:008 (TECH 1008); 330:010 (TECH 1010); 330:023 (TECH 2024); 330:024 (TECH 1024); 330:043 (TECH 2043); 330:060 (TECH 2060); 330:072 (TECH 2072); 330:080 (TECH 2080); 800:048 (MATH 1150) or 800:060 (MATH 1420); 860:020 (CHEM 1020) or 860:044 (CHEM 1110); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing or consent of instructor. (Variable)

330:156. Advanced Digital Electronics -- 3 hrs.

(TECH 2156)

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): 330:037 (TECH 1037); 330:039 (TECH 1039); 330:042 (TECH 2042) or 810:041 (CS 1410); sophomore standing. (Offered Spring)

330:157(g). Microcomputer Applications -- 3 hrs.

(TECH 3157/TECH 5157)

Microcomputer technology applied to real-time industrial problems; survey of industrial computer hardware, networking, and software. Lecture and lab. Prerequisite(s): 330:152 (TECH 2152); 330:156 (TECH 2156); 810:030 (CS 1130) or 810:036 (CS 1160); junior standing. (Offered Fall)

330:158(g). Graphic Communications Technical Visualization -- 3 hrs.

(TECH 4158/TECH 5158)

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): 330:022 (TECH 1022); junior standing. (Offered Spring)

330:160(g). Computer-Aided Instrumentation and Interfacing -- 3 hrs.

(TECH 3160/TECH 5160)

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): [330:152](#) (TECH 2152); [330:156](#) (TECH 2156); [330:157](#) (TECH 3157/TECH 5157); junior standing. (Offered Spring)

330:161(g). Digital Graphic Communications -- 3 hrs.

(TECH 4161/TECH 5161)

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. (Offered Fall)

330:163(g). Advanced Digital Prepress -- 3 hrs.

(TECH 3163/TECH 5163)

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): [330:055](#) (TECH 1055); [330:070](#) (TECH 2070); junior standing. (Offered Spring)

330:164(g). Programmable Logic Controllers (PLCs) -- 3 hrs.

(TECH 3164/TECH 5164)

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): [330:038](#) (TECH 2038); [330:039](#) (TECH 1039); [330:041](#) (TECH 2041); [330:042](#) (TECH 2042); [810:030](#) (CS 1130) or [810:036](#) (CS 1160); junior standing. (Offered Spring)

330:165(g). Wireless Communication Networks -- 3 hrs.

(TECH 4165/TECH 5165)

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): [330:103](#) (TECH 4103/TECH 5103) or [810:147](#) (CS 3470/CS 5470); junior standing. (Variable)

330:166(g). Advanced Electrical Power Systems -- 3 hrs.

(TECH 3166/TECH 5166)

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): [330:038](#) (TECH 2038); [800:048](#) (MATH 1150) or [800:060](#) (MATH 1420); [880:054](#) (PHYSICS 1511) or [880:130](#) (PHYSICS 1701); junior standing. (Variable)

330:167(g). Power Electronics Applications -- 3 hrs.

(TECH 4167/TECH 5167)

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): [330:038](#) (TECH 2038); [330:152](#) (TECH 2152); junior standing. (Offered Fall)

330:168(g). Technology Training Strategies -- 3 hrs.

(TECH 3168/TECH 5168)

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)

330:169. Digital Imaging -- 3 hrs.

(TECH 1169)

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): [330:022](#) (TECH 1022). (Offered Spring)

330:173(g). Construction Management -- 3 hrs.

(TECH 4173/TECH 5173)

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): [330:154](#) (TECH 4154/TECH 5154); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Offered Spring)

330:174. Senior Design I -- 1 hr.

(TECH 4174)

Individual and/or team analytical research or design project. Collaboration with local industry, government agencies, or research institutions is encouraged. Must register for [330:176](#) (TECH 4176) (TECH 4176) in spring semester. Prerequisite(s): senior in EET major. (Offered Fall)

330:175(g). Structural Analysis in Construction -- 3 hrs.

(TECH 4175/TECH 5175)

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): [330:080](#) (TECH 2080); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. (Offered Fall)

330:176. Senior Design II -- 3 hrs.

(TECH 4176)

Development and completion of project identified in [330:174](#) (TECH 4174) (TECH 4174). Prerequisite(s): [330:174](#) (TECH 4174). (Offered Spring)

330:177(g). Advanced Manufacturing Processes -- 3 hrs.

(TECH 3177/TECH 5177)

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): [330:008](#) (TECH 1008); [330:010](#) (TECH 1010); [330:023](#) (TECH 2024); [330:024](#) (TECH 1024); [330:043](#) (TECH 2043); [330:060](#) (TECH 2060); [330:072](#) (TECH 2072); [330:080](#) (TECH 2080); [800:048](#) (MATH 1150) or [800:060](#) (MATH 1420); [860:020](#) (CHEM 1020) or [860:044](#) (CHEM 1110); [880:054](#) (PHYSICS 1511) or [880:130](#) (PHYSICS 1701); junior standing. (Variable)

330:178(g). Contemporary Instruction in Technology Education -- 3 hrs.

(TECH 4178/TECH 5178)

Inquiry into recent applications in instructional strategies and content, including research, development, and management of modular technology instructional systems. Prerequisite(s): [330:190](#) (TECH 3190/TECH 5190) or consent of instructor; junior standing. (Offered Spring)

330:180. Lean Manufacturing -- 3 hrs.

(TECH 4080)

Introduction to lean manufacturing systems and concepts - basic philosophy of reducing waste in areas such as production, processing, inventory, transportation, waiting time, and scrap generation - to improve quality, reduce cost and production time. Prerequisite(s): [330:008](#) (TECH 1008); [330:010](#) (TECH 1010); [330:023](#) (TECH 2024); [330:024](#) (TECH 1024); [330:043](#) (TECH 2043); [330:060](#) (TECH 2060); [330:072](#) (TECH 2072); [330:080](#) (TECH 2080); [800:048](#) (MATH 1150) or [800:060](#) (MATH 1420); [860:020](#) (CHEM 1020) or [860:044](#) (CHEM 1110); [880:054](#) (PHYSICS 1511) or [880:130](#) (PHYSICS 1701); junior standing or consent of instructor. (Offered Spring)

330:181(g). Instructional Design for Career and Technical Education -- 2 hrs.

(TECH 3181/TECH 5181)

Basic methods of identifying, analyzing, selecting, and organizing instructional content for career and technical

programs. Prerequisite(s): junior standing. (Variable)

330:182(g). Coordination of Techniques in Career and Technical Programs -- 2 hrs.

(TECH 3182/TECH 5182)

Planning, organization, development, and teaching of cooperative or multi-occupational programs in career and technical education. Prerequisite(s): junior standing. (Variable)

330:183. Fundamentals of Manufacturing Engineering -- 3 hrs.

(TECH 3183)

Application of technical knowledge to solve industrial problems within the functional area of manufacturing engineering. Preparation for examination through the manufacturing Engineering Certification Institute.

Prerequisite(s): junior standing or consent of instructor. (Variable)

330:185(g). Methods Improvement and Quality Control Assurance in Construction -- 3 hrs.

(TECH 4185/TECH 5185)

Analysis and evaluation of methods improvement techniques and management of quality assurance and quality control. Prerequisite(s): junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 100/3000/4000-level construction management courses or student will be dropped. Prerequisite(s) or corequisite(s): 330:154 (TECH 4154/TECH 5154). (Offered Fall)

330:187(g). Applied Industrial Supervision and Management -- 3 hrs.

(TECH 4187/TECH 5187)

Investigation of industrial supervision and management; includes directed field study in industry. Prerequisite(s): 150:153 (MGMT 3153) or 330:043 (TECH 2043) or 330:131 (TECH 3131/TECH 5131); junior standing. (Offered Fall and Spring)

330:188(g). Nanotechnology Fabrication -- 3 hrs.

(TECH 3188/TECH 5188)

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): 860:148 (CHEM 4210/CHEM 5210) or 880:148 (PHYSICS 4210/PHYSICS 5210); junior standing. (Variable)

330:190(g). Technology Education Teaching Methods -- 3 hrs.

(TECH 3190/TECH 5190)

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): 330:019 (TECH 1019); 12 semester hours in industrial technology; junior standing. Prerequisite(s) or corequisite(s): for Education majors: 200:128 (EDPSYCH 3128); 200:148 (EDPSYCH 3148). (Offered Spring)

330:191(g). Implementing Career and Technical Programs -- 2 hrs.

(TECH 3191/TECH 5191)

Basic principles of instruction, instructional organization, methods of presentation, lesson planning, and applications of audio-visual media. Prerequisite(s): junior standing. (Variable)

330:192(g). Non-Destructive Evaluation of Materials/Scanning Electron Microscopy -- 3 hrs.

(TECH 3192/TECH 5192)

Non-destructive evaluation of materials using such techniques as x-ray, gamma ray, liquid penetrant tests, magnetic particle, eddy currents, SEM, etc. Prerequisite(s): 330:072 (TECH 2072) or 330:132 (TECH 3132); junior standing. (Variable)

330:193(g). Evaluation in Career and Technical Programs -- 2 hrs.

(TECH 3193/TECH 5193)

Basic concepts and techniques for evaluating students and programs in career and technical education.

Prerequisite(s): 330:181 (TECH 3181/TECH 5181) or consent of department; junior standing. (Variable)

330:194(g). Graphic Communications Estimating and Management -- 3 hrs.

(TECH 4194/TECH 5194)

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): 330:055 (TECH 1055); junior standing. (Offered Spring)

330:195(g). Technology Education Program Management -- 3 hrs.

(TECH 4195/TECH 5195)

Design of safe and effective facilities for technology education and related fields, facility management, and development of a safety program. Prerequisite(s): 330:120 (TECH 3120) or 330:190 (TECH 3190/TECH 5190); junior standing. (Offered Fall)

330:196. Industrial Safety -- 3 hrs.

(TECH 2196)

Examination of the directives mandated for General Industry (29 CFR Part 1910) by the Occupational Safety and Health Administration (OSHA). Emphasis on developing and implementing a comprehensive safety and health program. Prerequisite(s): sophomore standing. (Offered Fall and Spring)

330:197. Industrial Projects II -- 2 hrs.

(TECH 4197)

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): 330:112 (TECH 4112). (Offered Spring)

330:198. Independent Study.

(TECH 4198)

(Variable)

330:200. Industrial Technology Concepts and Issues -- 2 hrs.

(TECH 6200)

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)

330:225. Integrated Logistics and Production Operations -- 3 hrs.

(TECH 6225)

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 Industrial Technology graduate program or consent of instructor. (Variable)

330:231. Thermodynamics of Material Processing -- 3 hrs.

(TECH 6231)

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. (Offered Fall and Spring)

330:234. Advanced Engineering Materials -- 3 hrs.

(TECH 6234)

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 Industrial Technology graduate program and consent of instructor. (Variable)

330:235. Material Transformations and Modeling -- 3 hrs.

(TECH 6235)

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 Industrial Technology graduate program and consent of instructor. (Variable)

330:242. Complex Digital System Design -- 3 hrs.

(TECH 6242)

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): [330:156](#) (TECH 2156) or admission to Industrial Technology graduate program or consent of instructor. (Variable)

330:244. Applied Embedded Systems -- 3 hrs.

(TECH 6244)

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): [330:157](#) (TECH 3157/TECH 5157) or admission to Industrial Technology graduate program or consent of instructor. (Variable)

330:248. Advanced Power Electronics -- 3 hrs.

(TECH 6248)

Advanced topics of power electronics, AC circuit modeling/simulation of power converters, transfer functions, feedback controller design, V and I mode control of DC-DC converters, inductor and transformer design, resonant converters, soft switching, inverters, HVDC transmission. Prerequisite(s): [330:167](#) (TECH 4167/TECH 5167) or admission to Industrial Technology Graduate Program or consent of instructor. (Variable)

330:250. Technology of Productivity Improvement -- 3 hrs.

(TECH 6250)

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 Industrial Technology graduate program or consent of instructor. (Variable)

330:258. Total Quality Management -- 3 hrs.

(TECH 6258)

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. (Variable)

330:262. Sustainable/Green Building Construction -- 3 hrs.

(TECH 6262)

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): [330:153](#) (TECH 4153/TECH 5153). (Variable)

330:265. Risk Analysis and Management in Construction -- 3 hrs.

(TECH 6265)

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): [330:125](#) (TECH 3125/TECH 5125); [330:185](#) (TECH 4185/TECH 5185). (Variable)

330:273. Machining Process Planning -- 3 hrs.

(TECH 6273)

Survey of various methods of metal removal, mechanics of orthogonal cutting, thermal aspects of metal cutting,

cutting fluids, tool wear, tool life, machinability, machining economics, abrasive machining processes, high speed machining, ultra-precision machining and hard turning. Prerequisite(s): consent of instructor. (Variable)

330:275. Advanced Lean Manufacturing -- 3 hrs.

(TECH 6275)

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): 330:180 (TECH 4080) or consent of instructor. (Variable)

330:282. Industrial Technology Seminar -- 1 hr.

(TECH 6282)

Selected problems relating to production, communication, and power systems. May be repeated for maximum of 4 hours. (Variable)

330:283. Research Prospectus Seminar -- 1 hr.

(TECH 6283)

Supervised writing and research leading to the development and presentation of a prospectus for graduate research. Prerequisite(s): 330:292 (TECH 6292); advisor approval. (Variable)

330:284. Industrial Technology -- 2 hrs.

(TECH 6284)

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)

330:288. Field Study in Industrial Technology: Masters Internship -- 3 hrs.

(TECH 6288)

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)

330:290. Training and Development in Industrial Technology -- 3 hrs.

(TECH 6290)

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)

330:291. Technical Program Development -- 3 hrs.

(TECH 6291)

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): 330:290 (TECH 6290) or consent of instructor. (Variable)

330:292. Research Methods in Industrial Technology -- 3 hrs.

(TECH 6292)

Principles of methods and evaluation of research in industrial technology. Individual exploration of possible projects or thesis topics. (Variable)

330:294. Technological Evolution and Innovation -- 3 hrs.

(TECH 6294)

Overview of technology - its chronological development and evolution. Interrelationships among disciplines and influence of contemporary technology on industry, culture, education, and society. (Variable)

330:295. Advanced Management and Supervision Technology -- 3 hrs.

(TECH 6295)

Development of knowledge, skills, and advanced application experiences of management technologies utilized in industrial supervision and management. Prerequisite(s): 150:153 (MGMT 3153) or 330:043 (TECH 2043); 330:187 (TECH 4187/TECH 5187); or consent of instructor. (Variable)

330:296. Research Design in Industrial Technology -- 3 hrs.

(TECH 6296)

Emphasis on the relationships between theory, planning, research design, instrumentation assessment and administration, data collection and analysis, and the interpretation of findings. Includes critical reviews of previous research and preparation of proposal manuscripts. Prerequisite(s): 250:180 (MEASRES 4180/MEASRES 5180); 330:292 (TECH 6292) or consent of instructor. (Variable)

330:299. Research (Master's Thesis).

(TECH 6299)

(Offered Fall and Spring)

330:300. DIT Post Comprehensive Registration.

(TECH 7300)

(Offered Fall and Spring)

330:375. Historical Developments in Industrial Technology -- 3 hrs.

(TECH 7375)

Development of production, communication, and power systems and their influence on society and the environment. Prerequisite(s): consent of instructor. (Variable)

330:376. Contemporary and Future Developments in Industrial Technology -- 3 hrs.

(TECH 7376)

A study with emphasis on production, communication, and power systems; and their interrelationship with people, society, and the environment. Prerequisite(s): 330:375 (TECH 7375). (Variable)

330:377. Readings in Technology and Society -- 3 hrs.

(TECH 7377)

Current readings on technology and society; emphasis on analysis and discussion of the issues. Prerequisite(s): 330:376 (TECH 7376). (Variable)

330:378. Technology, Ethics and Leadership -- 3 hrs.

(TECH 7378)

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. (Variable)

330:388. Doctoral Internship -- 6 hrs.

(TECH 7388)

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. (Offered Fall and Spring)

330:399. Research (Doctoral Dissertation).

(TECH 7399)

Prerequisites: successful completion of 40 credit hours in approved program of study, internship, and approval of dissertation proposal. (Offered Fall and Spring)

2010-2012 UNI Catalog 350 School Library Studies (SLS)

350:010. Library Orientation -- 1 hr.

(SLS 1010)

Practical working knowledge of the library and its resources. Open to freshmen, sophomores, and transfer students. (Variable)

350:112. Library Information Sources -- 1 hr.

(SLS 1112)

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)

350:114(g). Introduction to the School Library Program -- 3 hrs.

(SLS 4114/SLS 5114)

Survey of school librarians, functions of the school library, national and state professional guidelines, ethical and legal issues; includes observation and participation in a selected school library. The portfolio created in this course becomes the condition for continuation in the School Library Studies program. This course must be taken in the first semester. Prerequisite(s): junior standing; consent of program coordinator. (Variable)

350:115(g). Organization of Information -- 3 hrs.

(SLS 4115/SLS 5115)

Application of standards of descriptive cataloging and MARC record for manual and automated systems and resource sharing. Examination of number and subject classification schemes and application of Dewey Decimal Classification and appropriate subject headings for school library catalogs. Adaptations of organizational principles for non-book print, non-print media, and computer-assisted information sources. Lecture, 2 hours; lab, 2 hours. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): 350:114 (SLS 4114/SLS 5114) or consent of program coordinator. (Variable)

350:132(g). Library Resources for Children -- 3 hrs.

(SLS 4132/SLS 5132)

Collection management strategies as these relate to resources available in, and accessible from, elementary school libraries, with a focus on resource-based teaching and learning. Role of the school teacher librarian as information specialist. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): 350:114 (SLS 4114/SLS 5114) or consent of program coordinator. (Variable)

350:134(g). Library Resources for Young Adults -- 3 hrs.

(SLS 4134/SLS 5134)

Collection management strategies as these relate to resources available in, and accessible from, secondary school libraries, with a focus on resource-based teaching and learning. Role of the school teacher librarian as information specialist. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): 350:114 (SLS 4114/SLS 5114) or consent of program coordinator. (Variable)

350:223. School Library Curriculum Development -- 3 hrs.

(SLS 6223)

Consultant role of the school teacher librarian in curriculum design. Study of curriculum frameworks and the curriculum integration of information process models, PK-12. Prerequisite(s): 350:114 (SLS 4114/SLS 5114); 350:132 (SLS 4132/SLS 5132) or 350:134 (SLS 4134/SLS 5134). (Variable)

350:225. Administration of the School Library Program -- 3 hrs.

(SLS 6225)

Management and leadership role of the school teacher librarian, including organizational strategies, planning, and policy development. Prerequisite(s): 350:114 (SLS 4114/SLS 5114); 350:223 (SLS 6223). (Variable)

350:230. Library Automation Systems and Networks -- 3 hrs.

(SLS 6230)

Emphasis on computer-related systems and networks in schools and library programs. Planning and implementing systems; on-line network requirements and uses. Prerequisite(s) or corequisite(s): 350:115 (SLS 4115/SLS 5115). (Variable)

350:250. Reference Services and Information Retrieval -- 3 hrs.

(SLS 6250)

Collection management strategies as these relate to basic print and electronic reference resources. Introduction to question-negotiation, search strategies, and evaluation of information delivery/approaches and systems. Provision of reference services in school settings. Roles of the school teacher librarian as information specialist and teacher. Lecture, 2 hours; lab, 2 hours. Prerequisite(s): 350:115 (SLS 4115/SLS 5115). (Variable)

350:285. Individualized Readings -- 1-3 hrs.

(SLS 6285)

Directed study of specific issue or problem based on student's needs or aspirations. Prerequisite(s): written consent of instructor. (Variable)

350:289. Seminar -- 3-6 hrs.

(SLS 6289)

Critical assessment of the elements of school library services such as Inquiry Learning at the building and system levels. Prerequisite(s): 350:223 (SLS 6223). (Variable)

350:290. Practicum -- 2-4 hrs.

(SLS 6290)

Experience in the function and services of the school library. Prerequisite(s): written consent of instructor. (Variable)

350:295. Research in Library and Information Science -- 3 hrs.

(SLS 6295)

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): 350:250 (SLS 6250). (Variable)

350:299. Research.

(SLS 6299)

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): 350:295 (SLS 6295). (Variable)

2010-2012 UNI Catalog 400 Psychology (PSYCH)

400:001. Introduction to Psychology -- 3 hrs.

(PSYCH 1001)

Survey of basic principles in psychology. Course requires participation in psychological research; or an alternative acceptable to both students and the department which provides a similar educational experience. (Offered Fall, Spring, and Summer)

400:020. Community Service/Experiential Learning -- 1-3 hrs.

(PSYCH 2701)

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): 400:001 (PSYCH 1001); consent of instructor. (Variable)

400:025. Applied Psychology -- 3 hrs.

(PSYCH 2301)

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): 400:001 (PSYCH 1001). (Offered Fall or Spring)

400:050. Behavior Modification -- 3 hrs.

(PSYCH 2501)

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): 400:001 (PSYCH 1001). (Offered Fall or Spring)

400:060. Psychology of Gender Differences -- 3 hrs.

(PSYCH 2201)

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): 400:001 (PSYCH 1001). (Variable)

400:070. Psychology and Law -- 3 hrs.

(PSYCH 2302)

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): 400:001 (PSYCH 1001). (Offered Fall or Spring)

400:101. Research Methods -- 4 hrs.

(PSYCH 2002)

Introduction to fundamentals of psychological inquiry. Emphasis on experimental research but all major approaches (correlational, field, clinical, phenomenological) considered. Prerequisite(s): 400:001 (PSYCH 1001); must be a declared Psychology major or minor by the starting date of the course. (Offered Fall and Spring)

400:102. Psychological Statistics -- 4 hrs.

(PSYCH 3003)

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): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002); one college-level mathematics course or consent of instructor. (Offered Fall and Spring)

400:106(g). Psychology of Human Differences -- 3 hrs.

(PSYCH 3404/PSYCH 5404)

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): [400:001](#) (PSYCH 1001); junior standing. (Offered Spring)

400:118(g). History and Systems of Psychology -- 3 hrs.

(PSYCH 3004/PSYCH 5004)

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): [400:001](#) (PSYCH 1001); junior standing. (Offered Fall, Spring, and Summer)

400:120. Developmental Psychology -- 3 hrs.

(PSYCH 2202)

Theory and research methods used in the study of development of organisms (especially human); developmental perspective as part of the process of psychological inquiry. Prerequisite(s): [400:001](#) (PSYCH 1001). (Offered Fall and Spring)

400:125(g). Child and Adolescent Psychopathology -- 3 hrs.

(PSYCH 3603/PSYCH 5603)

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): [400:001](#) (PSYCH 1001); plus any one from [31F:055](#) (FAM SERV 1055), [400:120](#) (PSYCH 2202), or equivalent of one of these, or consent of instructor; junior standing. (Variable)

400:127(g). Introduction to Neurology -- 3 hrs.

(PSYCH 3104/PSYCH 5104)

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): [400:001](#) (PSYCH 1001); junior standing; written consent of instructor. (Offered Even Springs)

400:132. Psychology of Music -- 3 hrs.

(PSYCH 2601)

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): [400:001](#) (PSYCH 1001). (Offered Fall or Spring)

400:134(g). Motivation and Emotion -- 3 hrs.

(PSYCH 3502/PSYCH 5502)

Investigation of the major factors underlying human actions. Topics include hunger and eating, sexual behavior, arousal, attention, performance, sleep and dreams, drug addiction, anger and aggression, and their relation to various emotional states. Prerequisite(s): [400:001](#) (PSYCH 1001); junior standing. (Offered Fall or Spring)

400:142(g). Abnormal Psychology -- 3 hrs.

(PSYCH 3403/PSYCH 5403)

Definition, classification, and characteristics of abnormal behaviors and major mental disorders. Review of the causes and treatment of major mental disorders. Prerequisite(s): [400:001](#) (PSYCH 1001); junior standing. (Offered Fall, Spring, and Summer)

400:149(g). Principles of Psychometrics -- 3 hrs.

(PSYCH 4604/PSYCH 5604)

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): [400:001](#) (PSYCH 1001); [400:101](#) (PSYCH 2002); [400:102](#) (PSYCH 3003); junior standing. (Offered Spring)

400:150(g). Conditioning and Learning -- 3 hrs.

(PSYCH 3503/PSYCH 5503)

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): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002); junior standing. (Offered Fall or Spring)

400:151(g). Memory and Language -- 3 hrs.

(PSYCH 3504/PSYCH 5504)

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): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002); junior standing. (Offered Fall or Spring)

400:152(g). Sensation and Perception -- 3 hrs.

(PSYCH 3103/PSYCH 5103)

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): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002); junior standing. (Variable)

400:153(g). Cognitive Psychology -- 3 hrs.

(PSYCH 3505/PSYCH 5505)

Study of human cognition: obtaining, representing, and organizing knowledge. Topics include pattern recognition, attention, imagery, concepts, and mechanistic assumptions underlying cognitive psychology. Prerequisite(s): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002); junior standing. (Offered Fall or Spring)

400:154(g). Health Psychology -- 3 hrs.

(PSYCH 3303/PSYCH 5303)

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): 400:001 (PSYCH 1001); junior standing. (Variable)

400:155. Biopsychology -- 3 hrs.

(PSYCH 2101)

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): 400:001 (PSYCH 1001) or consent of instructor. (Offered Fall and Spring)

400:157(g). Industrial Psychology -- 3 hrs.

(PSYCH 3305/PSYCH 5305)

Processes involved in recruiting, selecting, training, and evaluating employees in all types of organizations; prominent theories and current techniques in use. Prerequisite(s): 400:001 (PSYCH 1001); junior standing. (Offered Fall)

400:158(g). Organizational Psychology -- 3 hrs.

(PSYCH 3304/PSYCH 5304)

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): 400:001 (PSYCH 1001); junior standing. (Offered Fall and Spring)

400:160. Social Psychology -- 3 hrs.

(PSYCH 2203)

Overview of social psychology. Includes social perception and cognition, attraction and liking, social influence, group dynamics, and attitude formation and change. Prerequisite(s): 400:001 (PSYCH 1001). (Offered Fall and Spring)

400:161. Psychology of Personality -- 3 hrs.

(PSYCH 2402)

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): 400:001 (PSYCH 1001). (Offered Fall or Spring)

400:162(g). Special Topics in Social Psychology -- 3 hrs.

(PSYCH 3606/PSYCH 5606)

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): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002); 400:160 (PSYCH 2203); junior standing. (Variable)

400:163(g). Special Topics in Developmental Psychology -- 3 hrs.

(PSYCH 3605/PSYCH 5605)

Examination of selected topics within the field of developmental psychology viewed from various theoretical and empirical perspectives. Topics may vary each semester. Prerequisite(s): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002); 400:120 (PSYCH 2202); junior standing. (Variable)

400:164(g). Psychological Anthropology -- 3 hrs.

(PSYCH 4607/PSYCH 5607)

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): 400:001 (PSYCH 1001) or 990:011 (ANTH 1002); junior standing. (Same as 990:164g (ANTH 3101/5101)) (Offered Even Springs)

400:166. Clinical Psychology -- 3 hrs.

(PSYCH 2401)

Contemporary practice of clinical psychology with emphasis on the theories and techniques of cognitive-behavioral interventions. Prerequisite(s): 400:001 (PSYCH 1001). (Offered Fall or Spring)

400:167(g). Gender in Cross-Cultural Perspective -- 3 hrs.

(PSYCH 4608/PSYCH 5608)

Evolutionary, biological, psychological, cognitive, social, and cultural theories of gender and gender inequality evaluated with respect to cross-cultural data. Prerequisite(s): 400:001 (PSYCH 1001) or 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Same as 980:167g (SOC 3411/5411) and 990:167g (ANTH 3411/5411)) (Offered Odd Springs)

400:170(g). Drugs and Individual Behavior -- 3 hrs.

(PSYCH 3102/PSYCH 5102)

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. (Offered Fall and Spring)

400:173(g). Psychology of Aging -- 3 hrs.

(PSYCH 3204/PSYCH 5204)

Analysis of the factors affecting adult development and aging. Emphasis on physiological, cognitive, sensory, personality, and interpersonal changes occurring with age. Prerequisite(s): 400:001 (PSYCH 1001); junior standing. (Variable)

400:177. Language and Culture -- 3 hrs.

(PSYCH 3602)

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): 400:001 (PSYCH 1001) or 980:001 (SOC 1000) or 990:011 (ANTH 1002). (Same as 980:177 (SOC 3001) and 990:177 (ANTH 3001)) (Offered Fall)

400:185. Individual Topics -- 1-3 hrs.

(PSYCH 2703)

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)

400:189(g). Seminar in Psychology -- 1-3 hrs.

(PSYCH 4609/PSYCH 5609)

Provides opportunity to correlate previous course work and knowledge in field of psychology. May be repeated for maximum of 6 hours. Prerequisite(s): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002) or consent of instructor; 15 hours in psychology; junior standing. (Variable)

400:192(g). Practicum in Teaching Psychology -- 1-3 hrs.

(PSYCH 4704/PSYCH 5704)

Organization and teaching of psychology; student serves as participant-observer, with advance approval, in any 400:xxx (PSYCH xxxx) course. Prerequisite(s): Psychology GPA 3.00 or higher; B+ or higher in the course for which student will participate; junior standing. (Offered Fall, Spring, and Summer)

400:193(g). Research Experience in Psychology -- 1-3 hrs.

(PSYCH 4705/PSYCH 5705)

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): 400:001 (PSYCH 1001); 400:101 (PSYCH 2002); 15 hours in psychology; junior standing; consent of instructor. (Offered Fall, Spring, and Summer)

400:198. Independent Study -- 1-3 hrs.

(PSYCH 4198)

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)

400:210. Organizational Consulting and Change Management -- 2 hrs.

(PSYCH 6301)

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. (Offered Fall)

400:218. Evolution, Brain and Social Behavior -- 3 hrs.

(PSYCH 6201)

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. (Offered Odd Springs)

400:220. Social and Cognitive Development -- 3 hrs.

(PSYCH 6202)

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. (Offered Even Falls)

400:225. Psychopathology -- 3 hrs.

(PSYCH 6406)

Examination of alternative models of psychopathology with emphasis on genetic, physiological, and developmental determinants of behavior disorders. Review of the empirical literature on the etiology, maintenance, and treatment of disordered behavior. Prerequisite(s): graduate standing in psychology or consent of instructor. (Offered Spring)

400:232. Training and Instructional Design -- 3 hrs.

(PSYCH 6302)

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. (Offered Fall)

400:234. Recruitment and Selection -- 3 hrs.

(PSYCH 6303)

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. (Offered Spring)

400:237. Performance Appraisal -- 3 hrs.

(PSYCH 6304)

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. (Offered Spring)

400:239. Advanced Statistics -- 3 hrs.

(PSYCH 6001)

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. (Offered Fall)

400:241. Research Design -- 3 hrs.

(PSYCH 6002)

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): [400:239](#) (PSYCH 6001); graduate standing in psychology or consent of instructor. (Offered Spring)

400:244. Ethical Issues in Psychological Intervention -- 1 hr.

(PSYCH 6404)

Review of ethical and professional issues related to practice of clinical psychology, including the role of professional organizations, current APA ethical standards, rights of clients, and obligations and requirements of professionals in clinical psychology. Prerequisite(s): graduate standing in psychology (Clinical Science emphasis). (Offered Spring)

400:246. Ethical Issues in Psychological Assessment -- 1 hr.

(PSYCH 6403)

Review of critical ethical and professional issues related to practice of psychological assessment, including the changing roles of assessment in various clinical populations, the role of ethics in research, and the importance of a multicultural awareness in the practice of clinical psychology. Prerequisite(s): graduate standing in psychology (Clinical Science emphasis). (Offered Fall)

400:249. Cognitive and Intellectual Assessment -- 3 hrs.

(PSYCH 6401)

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. (Offered Fall)

400:254. Psychology, Law and Philanthropy -- 2 hrs.

(PSYCH 6005)

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)

400:261. Personality -- 3 hrs.

(PSYCH 6203)

Comparative study of major personality theories and techniques of personality assessment. Prerequisite(s): graduate standing in psychology or consent of instructor. (Offered Even Springs)

400:262. Personality Assessment -- 3 hrs.

(PSYCH 6405)

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. (Offered Spring)

400:264. Social Psychology -- 3 hrs.

(PSYCH 6204)

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. (Offered Fall)

400:270. Research and Practice of Psychotherapy -- 3 hrs.

(PSYCH 6402)

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. (Offered Fall)

400:272. Evidence Based Treatment -- 3 hrs.

(PSYCH 6407)

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. (Offered Fall)

400:285. Readings in Psychology -- 1-3 hrs.

(PSYCH 6285)

Individualized readings. Prerequisite(s): consent of instructor. (Offered Fall, Spring, and Summer)

400:289. Seminar.

(PSYCH 6289)

(Variable)

400:290. Clinical Practicum -- 2 hrs.

(PSYCH 6408)

Supervised experience as a psychologist-trainee in an appropriate mental health agency/program. May be repeated for maximum of 4 hours. Prerequisite(s): graduate standing in psychology (Clinical Science emphasis); 400:249 (PSYCH 6401); 400:262 (PSYCH 6405); 400:270 (PSYCH 6402) and 400:272 (PSYCH 6407) (grade of B or higher in all courses). (Variable)

400:291. Practicum in Industrial/Organizational Psychology -- 2 hrs.

(PSYCH 6305)

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)

400:292. Graduate Practicum in Teaching Psychology -- 1 hr.

(PSYCH 6003)

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)

400:293. Research in Psychology -- 1-3 hrs.

(PSYCH 6006)

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. (Offered Fall, Spring, and Summer)

400:294. Advances and Developments in Social Psychology -- 1 hr.

(PSYCH 6205)

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. (Offered Fall and Spring)

400:299. Research.

(PSYCH 6299)

(Offered Fall, Spring, and Summer)

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410 Health Promotion and Education (HPE)

410:005. Introduction to Public Health -- 1 hr.

(HPE 1101)

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. (Offered Fall and Spring)

410:020. Maternal and Infant Health -- 3 hrs.

(HPE 2120)

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. (Offered Fall)

410:060. Medical Terminology -- 2 hrs.

(HPE 2160)

Basic terminology and vocabulary used in medical field; structural organization of the body, major anatomy, medical procedures and instrumentation, and medical specialties. (Offered Fall, Spring, and Summer through Guided Independent Study only)

410:110. Introduction to Epidemiology -- 3 hrs.

(HPE 3110)

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. (Offered Fall and Spring)

410:112. Human Structure and Function -- 3 hrs.

(HPE 3112)

Examination of skeletal, muscular, nervous, endocrine, lymphatic, circulatory, respiratory, digestive, urinary, and reproductive systems. No lab. (Offered Fall)

410:118. Teaching Aerobics -- 1 hr.

(HPE 3118)

Preparation to teach aerobic activities, including aerobic dance, step and circuit aerobics, and aerobic kick boxing. (Offered Spring)

410:125(g). Aging and Health -- 3 hrs.

(HPE 4125/HPE 5125)

Introduction to basic 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)

410:128(g). Selected Topics in Women's Health -- 3 hrs.

(HPE 4328/HPE 5328)

In-depth development and exploration of selected themes and topics in women's health. Focus on "hidden" health issues that disproportionately affect women and examination of health issues and prevention programs surrounding adolescent pregnancy, violence, substance abuse, and disordered eating through a feminist developmental perspective. Prerequisite(s): junior standing. (Offered Spring)

410:131(g). Worksite Health Promotion -- 3 hrs.

(HPE 4431/HPE 5431)

Models of delivery of health promotion programs to employee populations. Prerequisite(s): junior standing. (Offered Fall)

410:135. Elementary School Health Education Methods -- 2 hrs.

(HPE 3135)

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. (Offered Fall and Spring)

410:138(g). International Health -- 2 hrs.

(HPE 4438/HPE 5438)

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)

410:140. Secondary School Health Education Methods -- 2 hrs.

(HPE 3240)

Examination of role of the teacher in planning, delivering, and evaluating health education; introduction of instructional methods and materials and their use demonstrated and practiced. (Offered Spring)

410:144. Health Education Curriculum -- 2 hrs.

(HPE 3344)

Introduction to existing curricular models and the processes involved in developing materials and the appropriate scope and sequence of learning activities in elementary, middle, and high school health education. (Offered Fall)

410:145(g). Public Health/Health Promotion Evaluation -- 3 hrs.

(HPE 4485/HPE 5485)

Principles, methods, and procedures to evaluate public health and health promotion programs. Prerequisite(s): 250:180 (MEASRES 4180/MEASRES 5180) or 800:072 (STAT 1772) or equivalent; 410:153 (HPE 4353/HPE 5353); 410:176 (HPE 4376/HPE 5376); junior standing. (Offered Fall and Spring)

410:147(g). Minority Health -- 2 hrs.

(HPE 4247/HPE 5247)

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)

410:151(g). Nutrition for Health Promotion -- 3 hrs.

(HPE 4551/HPE 5551)

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. (Offered Spring)

410:152. Complementary, Alternative, and Integrative Health -- 3 hrs.

(HPE 3650)

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:152 (CAP 3152)*) (Variable)

410:153(g). Public Health Theory and Application -- 3 hrs.

(HPE 4353/HPE 5353)

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. (Offered Fall and Spring)

410:155(g). Stress Management -- 2 hrs.

(HPE 4155/HPE 5155)

Introduction to stress and stress management, the relationship between stress and disease. Preference to Health Promotion majors. Prerequisite(s): junior standing. (Offered Spring)

410:156(g). Implementing Public Health and Health Promotion Programs -- 3 hrs.

(HPE 4256/HPE 5256)

Methods, techniques, and resources used in implementing public health and health promotion programs. Requires field-based work. Prerequisite(s): [410:153](#) (HPE 4353/HPE 5353); [410:176](#) (HPE 4376/HPE 5376); junior standing. (Offered Fall and Spring)

410:160. Community and Public Health -- 3 hrs.

(HPE 3160)

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:160 (CAP 3160)) (Variable)

410:161(g). Global Health Corps Mission -- 3-6 hrs.

(HPE 4161/HPE 5161)

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): [410:167](#) (HPE 4167/HPE 5167); junior standing. (Variable)

410:162(g). Introduction to Women's Health -- 3 hrs.

(HPE 4162/HPE 5162)

Survey of contemporary issues in women's health providing a thorough 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. (Offered Fall)

410:163(g). Human Diseases -- 3 hrs.

(HPE 4663/HPE 5663)

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): [410:112](#) (HPE 3112) or both [840:101](#) (BIOL 3101) and [840:102](#) (BIOL 3102); junior standing. (Offered Fall and Spring)

410:164(g). Health Care and the Consumer -- 2 hrs.

(HPE 4164/HPE 5164)

Selection and use of health care products and services, alternative health care, health care insurance systems, consumer protection. Prerequisite(s): junior standing. (Offered Spring)

410:165(g). Environmental Health Science -- 3 hrs.

(HPE 4665/HPE 5665)

Comprehensive survey of the interaction between human health and the quality and state of the natural environment. Prerequisite(s): junior standing. (Same as [830:165g](#) (ENV SCI 4665/5665)) (Offered Fall and Spring)

410:166(g). Environmental and Occupational Health Regulations -- 3 hrs.

(HPE 4666/HPE 5666)

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 [830:166g](#) (ENV SCI 4666/5666)) (Offered Odd Springs)

410:167(g). Cultural Competency for the Helping Professions -- 1 hr.

(HPE 4167/HPE 5167)

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. (Offered Odd Springs)

410:168. Field Experience in Health Promotion.

(HPE 4768)

3, 6, or 12 hrs.

Experience in area of student's career objectives. Offered on credit/no credit basis only. Prerequisite(s): senior standing; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences. (Offered Fall, Spring, and Summer)

410:176(g). Planning Public Health/Health Promotion Programs -- 3 hrs.

(HPE 4376/HPE 5376)

Social, epidemiological, behavioral, educational, and administrative factors in public health and health promotion. Prerequisite(s): junior standing. (Offered Fall and Spring)

410:178(g). Health Advocacy, Social Action and Policy Development -- 3 hrs.

(HPE 4378/HPE 5378)

Knowledge and skills related to community organizing, coalition building, conflict resolution, political action, and policy development as these processes relate to public health and health promotion. Prerequisite(s): junior standing. (Offered Spring)

410:180(g). Environmental Health, Field Methods, Technology, and Laboratory Applications -- 3 hrs.

(HPE 4580/HPE 5580)

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): 250:180 (MEASRES 4180/MEASRES 5180) or 800:072 (STAT 1772). (Variable)

410:185. Readings in Health Education -- 1-4 hrs.

(HPE 3686)

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. (Offered Fall, Spring, and Summer)

410:189. Seminar in Health Promotion -- 3 hrs.

(HPE 3689)

Focus on issues in community health education and the transition from student role to health educator or health promotion specialist role. (Offered Fall and Spring)

410:193. Internship Seminar -- 1 hr.

(HPE 3693)

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): 31G:195 (GERO 4195) or 410:168 (HPE 4768) or 980:184 (SOC 3100/SOC 5100). (Same as 31G:193 (GERO 4193)) (Variable)

410:197(g). Global Health Corps Domestic Practicum -- 3-6 hrs.

(HPE 4297/HPE 5297)

Specialized academic training and supervised field opportunities conducting culturally-appropriate health education programs in the local community with diverse or underserved populations such as refugees, minorities, immigrants, and the indigent. Offered credit/no credit basis only. May be repeated. Prerequisite(s): junior standing. (Variable)

410:220. Health Determinants -- 3 hrs.

(HPE 6220)

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)

410:271. Cardiovascular Physiology -- 3 hrs.

(HPE 6271)

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 420:271 (PEMES 6271)) (Variable)

410:285. Readings -- 1-4 hrs.

(HPE 6285)

(Offered Fall, Spring, and Summer)

410:289. Seminar.

(HPE 6289)

Course may be repeated for additional credit. (Variable)

410:290. Philosophy and Ethics of Public Health and Health Promotion -- 3 hrs.

(HPE 6390)

Analysis of philosophical foundations and ethical principles related to public health, health promotion, and health education practice. (Variable)

410:293. Epidemiology -- 3 hrs.

(HPE 6393)

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)

410:295. Internship in Health Education -- 2-6 hrs.

(HPE 6245)

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 Coordinator. (Offered Fall, Spring, and Summer)

410:297. Practicum -- 2-3 hrs.

(HPE 6297)

(Offered Fall, Spring, and Summer)

410:299. Research.

(HPE 6299)

Fee assessed separately for laboratory materials and/or binding of thesis/research paper. (Offered Fall, Spring, and Summer)

410:319. Health Disparities -- 3 hrs.

(HPE 7214)

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)

410:320. Theoretical Foundations of Community and Public Health Education -- 3 hrs.

(HPE 7320)

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)

410:389. Health Promotion and Education Seminar -- 1 hr.

(HPE 7389)

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)

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420 Physical Education (PEMES)

The six courses (420:011-420:016) provide the development of fundamental skills and instructional techniques in the specified activities.

The eleven courses (420:101-420:113) provide for the development of a high level of performance and comprehensive understanding and knowledge pertinent to the specific activity.

420:001. (420:Axx series) Physical Education -- 1 hr.

(PEMES 2001)

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. (Offered Fall, Spring, and Summer)

420:011. Fundamental Physical Activities -- Aquatics -- 1 hr.

(PEMES 2011)

Primarily for majors and minors in Physical Education. (Offered Fall and Spring)

420:013. Fundamental Physical Activities -- Dance -- 1-2 hrs.

(PEMES 2013)

Primarily for majors in Physical Education-Teaching and for minors in Dance and Physical Education-Elementary Teaching. (Offered Fall and Spring)

420:015. Lifetime Activities I -- 1 hr.

(PEMES 2015)

Primarily for majors and minors in Physical Education. (Offered Fall and Spring)

420:016. Lifetime Activities II -- 1 hr.

(PEMES 2016)

Primarily for majors and minors in Physical Education. (Offered Fall and Spring)

420:017. Fundamental Physical Activities -- Outdoor/Adventure Pursuits -- 1 hr.

(PEMES 2017)

Primarily for majors and minors in Physical Education. (Offered Fall and Spring)

420:021. Movement Activities for Children -- 2 hrs.

(PEMES 2021)

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): [200:017](#) (EDPSYCH 2017); [200:030](#) (EDPSYCH 2030). (Offered Fall and Spring)

420:024. Anatomy and Kinesiology -- 3 hrs.

(PEMES 2024)

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 [420:050](#) (PEMES 2050) (PEMES 2050) and [420:151](#) (PEMES 3151) (PEMES 3151). (Variable)

420:025. Conditioning Theory and Practice -- 2 hrs.

(PEMES 2025)

Theory and practice in training and conditioning of athletes. (Offered Fall and Spring)

420:034. Survey of Dance History -- 3 hrs.

(PEMES 2034)

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. (Offered Fall and Spring)

420:036. Dance Performance -- 1-2 hrs.

(PEMES 2036)

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. (Offered Fall and Spring)

420:037. Applied Choreography -- 1-2 hrs.

(PEMES 2037)

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. (Offered Fall and Spring)

420:045. Physical Education for the Elementary Grades -- 3 hrs.

(PEMES 2045)

Teaching methods and experience in activities; 3 periods. No credit for students with credit in 440:045 (HPELS 2045) (HPELS 2045). Prerequisite(s): 200:030 (EDPSYCH 2030); sophomore standing. (Offered Fall and Spring)

420:050. Anatomy and Physiology of Human Movement -- 3 hrs.

(PEMES 2050)

Anatomy and physiology of the human body focusing on the muscular and skeletal systems. (Offered Fall, Spring, and Summer)

420:053. Physical Activity and Nutrition for Health and Fitness -- 3 hrs.

(PEMES 2053)

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): 440:010 (HPELS 1010). (Offered Fall and Spring)

420:056. Introduction to Motor Behavior -- 3 hrs.

(PEMES 2056)

Introduction to the developmental and learning factors which influence the capability to move effectively throughout the life span. Prerequisite(s) or corequisite(s): 400:001 (PSYCH 1001). (Offered Fall and Spring)

420:060. Lifeguard Training and Instruction -- 2 hrs.

(PEMES 2060)

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. (Offered Fall and Spring)

420:061. Water Safety Instruction -- 2 hrs.

(PEMES 2061)

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. (Offered Spring)

420:101. Advanced Skill and Coaching Theory -- Baseball -- 2 hrs.

(PEMES 3101)

Prerequisite(s): beginning class or equivalent skill. (Offered Fall)

420:102. Advanced Skill and Coaching Theory -- Basketball -- 3 hrs.

(PEMES 3102)

Prerequisite(s): beginning class or equivalent skill. (Offered Fall and Spring)

420:104. Advanced Skill and Coaching Theory -- Football -- 3 hrs.

(PEMES 3104)

Prerequisite(s): beginning class or equivalent skill. (Offered Spring)

420:107. Advanced Skill and Coaching Theory -- Soccer -- 2 hrs.

(PEMES 3107)

Prerequisite(s): beginning class or equivalent skill. (Offered Spring)

420:108. Advanced Skill and Coaching Theory -- Softball -- 2 hrs.

(PEMES 3108)

Prerequisite(s): beginning class or equivalent skill. (Offered Fall)

420:111. Advanced Skill and Coaching Theory -- Track and Field -- 2 hrs.

(PEMES 3111)

Prerequisite(s): beginning class or equivalent skill. (Offered Spring)

420:112. Advanced Skill and Coaching Theory -- Volleyball -- 2 hrs.

(PEMES 3112)

Prerequisite(s): beginning class or equivalent skill. (Offered Spring)

420:113. Advanced Skill and Coaching Theory -- Wrestling -- 2 hrs.

(PEMES 3113)

Prerequisite(s): beginning class or equivalent skill. (Offered Spring)

420:118. Practicum in Coaching -- 1-2 hrs.

(PEMES 3118)

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. (Offered Fall and Spring)

420:120. Certified Pool Operators -- 2 hrs.

(PEMES 3120)

Administration of programs, personnel, and facilities; includes pool management and maintenance. (Variable)

420:121. Sociology and Psychology of Physical Activity -- 2 hrs.

(PEMES 3121)

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. (Offered Fall and Spring)

420:122. Psycho-Social Aspects of Competitive Sport -- 2 hrs.

(PEMES 3122)

Introductory philosophical aspects of sport; psychological and sociological dimensions of competitive sport. (Offered Fall and Spring)

420:123. History of American Sport -- 2 hrs.

(PEMES 3123)

Historical development of sport in relation to other institutions and social movements in American society. (Offered Fall and Spring)

420:127(g). Organization and Administration of Competitive Sports -- 2 hrs.

(PEMES 4217/PEMES 5217)

Organization, administration, and management of interscholastic, intercollegiate, and intramural sports programs.

Prerequisite(s): junior standing. (Offered Fall and Spring)

420:131. Dance Composition -- 2 hrs.

(PEMES 3131)

Application of art principles basic to good choreography. Prerequisite(s): 420:013 (PEMES 2013); two dance activity classes of different styles or consent of instructor. (Formerly 420:031) (Variable)

420:132. Dance Curriculum -- 2 hrs.

(PEMES 3132)

Place of dance in the school curriculum: relationships, progressions, and curriculum building. Prerequisite(s): 420:013 (PEMES 2013); two dance activity courses of different styles; consent of instructor. (Variable)

420:135. Dance Production and Performance -- 2 hrs.

(PEMES 3135)

Application of technical considerations, costume design, accompaniment, and program planning. Practical application of choreography and/or lecture demonstration in a dance form expected. (Variable)

420:140. Practicum -- 1 hr.

(PEMES 3140)

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. (Offered Fall, Spring, and Summer)

420:151. Introductory Biomechanics -- 3 hrs.

(PEMES 3151)

Application of principles of mechanics to human movement. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): 420:050 (PEMES 2050) or equivalent. (Offered Fall and Spring)

420:152(g). Adapted Physical Education -- 3 hrs.

(PEMES 4152/PEMES 5152)

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): 420:151 (PEMES 3151); junior standing. Prerequisite(s) or corequisite(s): 200:128 (EDPSYCH 3128). (Offered Fall and Spring)

420:153. Physiology of Exercise -- 3 hrs.

(PEMES 3153)

Acute and chronic responses and adaptations of the physiological systems to muscular activity and training.

Prerequisite(s): 420:050 (PEMES 2050); junior standing. Prerequisites for Athletic Training majors: 420:050 (PEMES 2050) or 42T:028 (AT 2020); junior standing. (Offered Fall, Spring, and Summer)

420:154. Psychological Skills for Sport Participants -- 2 hrs.

(PEMES 3154)

Understanding of psychological factors which affect performance in competitive sport. Survey of and individualized practice with psychological techniques designed to enhance sport performance. (Offered Fall and Spring)

420:155(g). Exercise Physiology: Applications for Health and Human Performance -- 3 hrs.

(PEMES 3155/PEMES 5155)

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): 420:050 (PEMES 2050); 420:153 (PEMES 3153) or equivalent; junior standing. (Variable)

420:156. Fitness Assessment and Programming -- 3 hrs.

(PEMES 3156)

Assessment of fitness levels and application to fitness programming including remediation of dysfunction in rehabilitation. Prerequisite(s): [420:153](#) (PEMES 3153). (Offered Fall and Spring)

420:157. Sports Nutrition -- 3 hrs.

(PEMES 3157)

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): [420:053](#) (PEMES 2053); [420:153](#) (PEMES 3153). Prerequisite for Athletic Training majors: [42T:028](#) (AT 2020). (Offered Fall and Spring)

420:162. Foundations of Human Movement Study -- 2 hrs.

(PEMES 3162)

History and philosophy of movement activities and professions appropriate for teaching and exercise science students. Emphasis on writing and critical thinking. (Offered Fall and Spring)

420:168. Assisting in Physical Activity and Wellness -- 1 hr.

(PEMES 3168)

Assisting departmental instructor in activity classes. May be repeated once for credit. Prerequisite(s): consent of department. (Offered Fall and Spring)

420:173. Teaching Methods Block.

(PEMES 3173)

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: [200:148](#) (EDPSYCH 3148); [420:021](#) (PEMES 2021); [420:056](#) (PEMES 2056). Physical Education Major-Teaching: [200:148](#) (EDPSYCH 3148); [420:021](#) (PEMES 2021); [420:053](#) (PEMES 2053); [420:056](#) (PEMES 2056); [420:174](#) (PEMES 3174); [420:176](#) (PEMES 3176). (Offered Fall and Spring)

420:174. Assessment Processes in Physical Education -- 3 hrs.

(PEMES 3174)

Concepts of measurement and evaluation; statistical analysis; construction of evaluative instruments; and application of written and performance tests. Prerequisite(s) or corequisite(s): [200:148](#) (EDPSYCH 3148). (Offered Fall and Spring)

420:176. Administration and Curriculum Development in Physical Education -- 3 hrs.

(PEMES 3176)

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): [420:162](#) (PEMES 3162); admission to teacher education program. (Offered Fall and Spring)

420:185. Readings in Physical Education -- 1-4 hrs.

(PEMES 3185)

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. (Offered Fall, Spring, and Summer)

420:191. Senior Project -- 1-6 hrs.

(PEMES 3191)

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. (Offered Fall, Spring, and Summer)

Summer)

420:193. Research Experiences -- 1-6 hrs.

(PEMES 3193)

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. (Offered Fall, Spring, and Summer)

420:194. Senior Thesis -- 2-6 hrs.

(PEMES 4194)

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. (Offered Fall, Spring, and Summer)

420:197. Internship in Physical Education -- 6-12 hrs.

(PEMES 3197)

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. (Offered Fall, Spring, and Summer)

420:198. Independent Study.

(PEMES 4198)

Primarily for majors in physical education. (Offered Fall, Spring, and Summer)

420:200. Computer Applications in Physical Education -- 2 hrs.

(PEMES 6200)

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)

420:222. Sport Psychology -- 3 hrs.

(PEMES 6222)

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)

420:230. Curriculum Theory and Design in Physical Education -- 3 hrs.

(PEMES 6230)

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)

420:231. Effective Teaching in Physical Education -- 3 hrs.

(PEMES 6231)

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)

420:251. Biomechanics -- 3 hrs.

(PEMES 6251)

Application of mechanical principles and concepts to human movement; emphasis on analysis of techniques employed in sports. Prerequisite(s): [420:050](#) (PEMES 2050); [420:151](#) (PEMES 3151); or equivalents. (Variable)

420:253. Advanced Exercise Physiology -- 3 hrs.

(PEMES 6253)

Process of scientific inquiry into exercise physiology and the identification of basic principles to be applied for maximum performance without injury. Prerequisite(s): 420:153 (PEMES 3153); 420:155 (PEMES 3155/PEMES 5155) or equivalent; 840:101 (BIOL 3101) or equivalent; 840:102 (BIOL 3102) or equivalent. (Variable)

420:255. Motor Control and Learning -- 3 hrs.

(PEMES 6255)

Study and application of research findings to motor learning and the variables which influence it. (Variable)

420:260. Laboratory Instrumentation and Test Interpretation -- 2 hrs.

(PEMES 6260)

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): 420:253 (PEMES 6253) or consent of instructor. (Offered Fall)

420:271. Cardiovascular Physiology -- 3 hrs.

(PEMES 6271)

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 410:271 (HPE 6271)) (Variable)

420:273. Contemporary Issues in Physical Education and Athletics -- 3 hrs.

(PEMES 6273)

Examination and analysis of continuing concerns and issues in the profession. (Variable)

420:285. Readings in Physical Education -- 1-4 hrs.

(PEMES 6285)

(Offered Fall, Spring, and Summer)

420:289. Seminar in Physical Education -- 1-3 hrs.

(PEMES 6289)

Special topics as indicated in the Schedule of Classes. May be repeated for credit. (Offered Fall and Spring)

420:293. Research Experience in Physical Education -- 1-2 hrs.

(PEMES 6293)

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. (Offered Fall, Spring, and Summer)

420:295. Internship -- 1-4 hrs.

(PEMES 6295)

Experience in non-school settings or agencies. May be repeated for maximum of 4 hours. Prerequisite(s): consent of Graduate Advisor. (Offered Fall, Spring, and Summer)

420:297. Practicum -- 1-4 hrs.

(PEMES 6297)

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. (Offered Fall, Spring, and Summer)

420:299. Research.

(PEMES 6299)

Fee assessed separately for laboratory materials and/or binding of thesis/research paper. (Offered Fall, Spring, and

Summer)

2010-2012 UNI Catalog 42T Athletic Training (AT)

42T:018. Prevention and Care of Athletic Injuries -- 2 hrs.

(AT 1018)

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): [420:024](#) (PEMES 2024) or [420:050](#) (PEMES 2050). (Formerly 420:018) (Offered Fall, Spring, and Summer)

42T:019. Prevention and Care Laboratory -- 1 hr.

(AT 1019)

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): [42T:018](#) (AT 1018). (Formerly 420:019) (Offered Fall, Spring, and Summer)

42T:023. Introduction to Athletic Training -- 2 hrs.

(AT 1010)

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. (Offered Spring)

42T:024. Introduction to Athletic Training Clinical Experience -- 1 hr.

(AT 2011)

Didactic and psychomotor skill instruction with practical examinations covering the material taught in [42T:023](#) (AT 1010) (AT 1010). Corequisite(s): [42T:028](#) (AT 2020). (Offered Summer)

42T:028. Clinical Anatomy -- 3 hrs.

(AT 2020)

Clinical anatomy of the human body which includes palpation, range of motion assessments, manual muscle testing, neurological testing, and structure identification. Prerequisite(s): [42T:023](#) (AT 1010); admission into the athletic training program. Corequisite(s): [42T:024](#) (AT 2011). (Offered Summer)

42T:033. Emergency Care in Athletic Training -- 2 hrs.

(AT 2030)

The theory, ethics, components, indications, and psychomotor skills of emergency care in athletic training. Prerequisite(s): [42T:023](#) (AT 1010); admission into the athletic training program. Corequisite(s): [42T:034](#) (AT 2031). (Offered Fall)

42T:034. Emergency Care in Athletic Training Clinical Experience -- 1 hr.

(AT 2031)

Didactic and psychomotor skill instruction with practical examinations covering the material taught in [42T:033](#) (AT 2030) (AT 2030). Prerequisite(s): [42T:023](#) (AT 1010); admission into the athletic training program. Corequisite(s): [42T:033](#) (AT 2030). (Offered Fall)

42T:110. Athletic Training Administration -- 2 hrs.

(AT 3060)

Theoretical and practical study of organization and administration in the field of athletic training. Prerequisite(s): [42T:023](#) (AT 1010); admission into the athletic training program. (Offered Fall)

42T:134. Upper Body Injury Assessment -- 2 hrs.

(AT 2050)

Recognition and evaluation of athletic injuries occurring to the head, face, vertebral column, shoulder, forearm, wrist, and hand. Prerequisite(s): [42T:023](#) (AT 1010); admission into the athletic training program. Corequisite(s): [42T:135](#) (AT 2051). (Offered Fall)

42T:135. Upper Body Injury Assessment Clinical Experience -- 1 hr.

(AT 2051)

Didactic and psychomotor skill instruction with practical examinations covering the material taught in 42T:134 (AT 2050) (AT 2050). Prerequisite(s): 42T:023 (AT 1010); admission into the athletic training program. Corequisite(s): 42T:134 (AT 2050). (Offered Fall)

42T:137. Lower Body Injury Assessment -- 2 hrs.

(AT 2040)

Recognition and evaluation of athletic injuries occurring to the hip, pelvis, thigh, knee, leg, and ankle. Prerequisite(s): 42T:110 (AT 3060). Corequisite(s): 42T:138 (AT 2041). (Offered Spring)

42T:138. Lower Body Injury Assessment Clinical Experience -- 1 hr.

(AT 2041)

Didactic and psychomotor skill instruction with practical examinations covering the material taught in 42T:137 (AT 2040) (AT 2040). Prerequisite(s): 42T:028 (AT 2020); 42T:110 (AT 3060). Corequisite(s): 42T:137 (AT 2040). (Offered Spring)

42T:140. Athletic Training Practicum -- 1-3 hrs.

(AT 3000)

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. (Offered Fall and Spring)

42T:143. Therapeutic Modalities -- 2 hrs.

(AT 3070)

Effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic modalities in injury rehabilitation of the physically active. Prerequisite(s): 42T:023 (AT 1010); 42T:024 (AT 2011); 42T:028 (AT 2020); admission into athletic training program. Corequisite(s): 42T:144 (AT 3071). (Offered Fall)

42T:144. Therapeutic Modalities Clinical Experience -- 1 hr.

(AT 3071)

Didactic and psychomotor skill instruction with practical examinations covering the material taught in 42T:143 (AT 3070) (AT 3070). Prerequisite(s): 42T:023 (AT 1010); 42T:024 (AT 2011); 42T:028 (AT 2020); admission into athletic training program. Corequisite(s): 42T:143 (AT 3070). (Offered Fall)

42T:157. Therapeutic Exercise -- 2 hrs.

(AT 3080)

Effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic exercises in injury rehabilitation. Prerequisite(s): 42T:028 (AT 2020); 42T:143 (AT 3070); 42T:144 (AT 3071). Corequisite(s): 42T:158 (AT 3081). (Offered Spring)

42T:158. Therapeutic Exercise Clinical Experience -- 1 hr.

(AT 3081)

Didactic and psychomotor skill instruction with practical examinations covering the material taught in 42T:157 (AT 3080) (AT 3080). Prerequisite(s): 42T:028 (AT 2020); 42T:143 (AT 3070); 42T:144 (AT 3071). Corequisite(s): 42T:157 (AT 3080). (Offered Spring)

42T:162. Athletic Training Pharmacology -- 2 hrs.

(AT 3090)

Effects, indications, and contraindications of therapeutic medications as related to the prevention and care of athletic injuries of the physically active. Prerequisite(s): 42T:110 (AT 3060). (Offered Spring)

42T:165. Psychological Considerations for Athletic Injuries and Rehabilitation -- 2 hrs.

(AT 3110)

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): 42T:157 (AT 3080). (Offered Fall and Spring)

42T:170. Athletic Training Pathology -- 3 hrs.

(AT 3120)

Study of the pathology of orthopedic injuries and conditions that are commonly seen by certified athletic trainers. Prerequisite(s): 42T:110 (AT 3060). (Offered Spring)

42T:175. General Medical Conditions -- 3 hrs.

(AT 3130)

Study of general medical conditions and disabilities commonly seen by certified athletic trainers. Prerequisite(s): 42T:110 (AT 3060); junior standing. (Offered Fall)

42T:178. Current Trends in Athletic Training -- 2 hrs.

(AT 4140)

Discussion of current topics and trends in the clinical practice and professional development of athletic training. Prerequisite(s): 42T:110 (AT 3060). (Offered Fall)

42T:180. Athletic Training Seminar -- 2 hrs.

(AT 4150)

Resume writing, interviewing, and a comprehensive review of the athletic training educational competencies. Prerequisite(s): 42T:110 (AT 3060); senior standing. (Offered Spring)

42T:210. Pathoetiology and Orthopaedic Assessment I -- 2 hrs.

(AT 6210)

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. (Offered Even Falls)

42T:220. Pathoetiology and Orthopaedic Assessment II -- 2 hrs.

(AT 6220)

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. (Offered Odd Springs)

42T:230. Evidence Based Rehabilitation Practice I -- 2 hrs.

(AT 6240)

In-depth analysis of current literature, research, case studies, and therapeutic techniques directed toward the rehabilitation of musculoskeletal injuries to the upper body of the physically active. Prerequisites: NATABOC certification; admission into the athletic training graduate program. (Offered Odd Springs)

42T:240. Evidence Based Rehabilitation Practice II -- 2 hrs.

(AT 6250)

In-depth analysis of current literature, research, case studies, and therapeutic techniques directed toward the rehabilitation of musculoskeletal injuries to the lower body of the physically active. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Offered Odd Falls)

42T:250. Orthopaedic Surgical Interventions -- 2 hrs.

(AT 6260)

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. (Offered Even Springs)

42T:260. Current Topics in Athletic Training -- 2 hrs.

(AT 6270)

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. (Offered Odd Falls)

42T:270. Administration and Leadership in Athletic Training -- 2 hrs.

(AT 6280)

Theoretical and applied techniques for organizing, administering, and leading athletic training health care programs in various clinical settings. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Offered Even Springs)

42T:289. Seminar in Athletic Training -- 1-8 hrs.

(AT 6289)

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. (Offered Fall and Spring)

42T:297. Practicum -- 1-4 hrs.

(AT 6297)

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. (Offered Fall and Spring)

42T:301. Critical Theories and Practices in Rehabilitation -- 3 hrs.

(AT 7310)

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)

42T:310. Clinical Teaching Skills in Allied Health Professions -- 3 hrs.

(AT 7320)

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)

2010-2012 UNI Catalog
430 Leisure, Youth and Human Services (LYHS)

430:010. Introduction to Leisure, Youth and Human Services -- 3 hrs.

(LYHS 2010)

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. (Offered Fall and Spring)

430:020. Leadership in Leisure, Youth and Human Services -- 3 hrs.

(LYHS 2020)

Theories, principles, and practices of leisure, youth and human services leadership; techniques and methods of working with individuals and groups. (Offered Fall and Spring)

430:030. Inclusive Recreation and Diversity in LYHS -- 3 hrs.

(LYHS 3030)

Overview of interaction of leisure services and the elements of diversity (e.g., race/ethnicity, gender, age, and ability/disability). (Variable)

430:050. Principles of Outdoor Recreation -- 3 hrs.

(LYHS 2551)

Overview of development, implementation, and evaluation of outdoor recreation programs. Examination of benefits and challenges of outdoor recreation, with focus on outdoor leadership competencies. (Offered Fall)

430:060. Principles of Nonprofit and Youth Agencies -- 3 hrs.

(LYHS 2335)

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. (Offered Fall and Spring)

430:070. Principles of Tourism -- 3 hrs.

(LYHS 2770)

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. (Variable)

430:075. Tourism and Leisure Services Promotion -- 3 hrs.

(LYHS 3772)

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. (Variable)

430:110. Programming for Leisure, Youth and Human Services -- 3 hrs.

(LYHS 3060)

Introduction to methods and procedures for planning, budgeting, implementing, and evaluating leisure, youth and human service programs. Prerequisite(s): [430:010](#) (LYHS 2010); [430:020](#) (LYHS 2020); or written consent of instructor. (Offered Fall and Spring)

430:114. Management of Leisure, Youth and Human Services -- 3 hrs.

(LYHS 3050)

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): [430:010](#) (LYHS 2010); [430:020](#) (LYHS 2020). (Offered Fall and Spring)

430:121. Philosophical Foundations of Leisure, Youth and Human Services -- 3 hrs.

(LYHS 2040)

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. (Offered Fall and Spring)

430:123. Foundations of Therapeutic Recreation -- 3 hrs.

(LYHS 3991)

History, philosophy, and theories of therapeutic recreation; professionalism; factors influencing service delivery. (Offered Spring)

430:130(g). Theory and Practice of Experiential Education -- 3 hrs.

(LYHS 4552/LYHS 5552)

Theory, history, philosophy, and practice of experiential education. Focus on application in environmental education/adventure settings. Field trip(s) required. Prerequisite(s): junior standing. (Offered Spring)

430:138(g). Community Planning Workshop -- 3-6 hrs.

(LYHS 4779/LYHS 5779)

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. (Offered Fall and Spring)

430:140(g). Camp Staff Development -- 2-8 hrs.

(LYHS 4621/LYHS 5621)

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. (Offered Spring)

430:141(g). Field Experience in Camp Counseling -- 1-12 hrs.

(LYHS 4623/LYHS 5623)

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. (Offered Summer)

430:143(g). Trends and Issues in Outdoor Recreation -- 3 hrs.

(LYHS 4553/LYHS 5553)

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): consent of Focus Area Advisor; junior standing. (Offered Spring)

430:144(g). Camp Management Systems -- 2-6 hrs.

(LYHS 4625/LYHS 5625)

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. (Offered Fall and Spring)

430:146(g). Managing Recreation Impacts on the Natural Environment -- 3 hrs.

(LYHS 4554/LYHS 5554)

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. (Offered Fall)

430:151. Fundraising, Grant Writing and Budgeting for LYHS -- 3 hrs.

(LYHS 4055)

Theory and practice of budget development, fundraising, financial control, and grant writing in programs within Leisure, Youth and Human Services. (Variable)

430:154. Human Resource Development for Nonprofit and Youth Agencies -- 3 hrs.

(LYHS 3337)

Management and supervision of volunteers, staff, and board members in nonprofit and youth service agencies. Emphasis on nonprofit personnel practices and procedures. (Variable)

430:155. Planning Strategies in Nonprofit and Youth Agencies -- 3 hrs.

(LYHS 3338)

Examination and evaluation of various planning models used in nonprofit and youth agencies to meet the needs of participants. Emphasis on matching developmental needs to planning strategies and models. Prerequisite(s): junior standing or consent of instructor. (Variable)

430:157. Introduction to Youth Development in LYHS -- 3 hrs.

(LYHS 2336)

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. (Offered Fall)

430:160(g). Assessment, Programming and Evaluation in Therapeutic Recreation -- 3 hrs.

(LYHS 4995/LYHS 5995)

Methods and techniques used in providing therapeutic recreation to persons with disabilities. Includes field experience. Prerequisite(s): 31F:055 (FAM SERV 1055); 430:123 (LYHS 3991); verified First Aid and CPR certification; junior standing. Corequisite(s): 430:167 (LYHS 4996/LYHS 5996). (Offered Fall)

430:163(g). Administrative Practices in Therapeutic Recreation -- 3 hrs.

(LYHS 4997/LYHS 5997)

Knowledge and techniques for management of therapeutic recreation including legal and financial problems, utilization of human resources, and development of public relations. Prerequisite(s): 430:123 (LYHS 3991); 430:160 (LYHS 4995/LYHS 5995); 430:167 (LYHS 4996/LYHS 5996); junior standing. (Offered Spring)

430:165(g). Leisure, Youth and Human Services Field Experience -- 1-12 hrs.

(LYHS 4265/LYHS 5265)

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. (Offered Fall, Spring, and Summer)

430:167(g). Intervention Techniques in Therapeutic Recreation -- 3 hrs.

(LYHS 4996/LYHS 5996)

Appropriate activity, leadership, and adaptation techniques. Includes field experience. Prerequisite(s): 31F:055 (FAM SERV 1055); 430:123 (LYHS 3991); junior standing. Corequisite(s): 430:160 (LYHS 4995/LYHS 5995). (Offered Fall)

430:168(g). Areas and Facilities for Leisure, Youth and Human Services -- 3 hrs.

(LYHS 4115/LYHS 5115)

Planning, designing and managing park, recreation and leisure settings, areas, and facilities. Prerequisite(s): 430:110 (LYHS 3060) or consent of instructor; junior standing. (Variable)

430:169(g). Research and Evaluation in Leisure, Youth and Human Services -- 3 hrs.

(LYHS 4070/LYHS 5070)

Introduction to research, evaluation, needs assessment concepts, procedures, and analyses in leisure, youth and human services. Prerequisite(s): 430:110 (LYHS 3060); junior standing. (Offered Fall and Spring)

430:170(g). Eco, Adventure and Sport Tourism -- 3 hrs.

(LYHS 4776/LYHS 5776)

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): 430:070 (LYHS 2770) or consent of instructor; junior standing. (Variable)

430:171(g). Rural Tourism Development -- 3 hrs.

(LYHS 4778/LYHS 5778)

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): 430:070 (LYHS 2770) or consent of instructor; junior standing. (Variable)

430:172(g). Festivals and Special Events Management -- 3 hrs.

(LYHS 4116/LYHS 5116)

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. (Variable)

430:173. Conferences, Expositions and Conventions in Tourism -- 3 hrs.

(LYHS 3774)

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): 430:070 (LYHS 2770) or consent of instructor. (Variable)

430:183. Professional Leadership Practicum -- 2 hrs.

(LYHS 2119)

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. (Offered Fall and Spring)

430:184. Senior Project -- 1-3 hrs.

(LYHS 4090)

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): 430:187 (LYHS 4095). (Offered Spring and Summer)

430:185. Readings in Leisure, Youth and Human Services -- 1-3 hrs.

(LYHS 3290)

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. (Offered Fall, Spring, and Summer)

430:187. Internship -- 8-12 hrs.

(LYHS 4095)

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): 430:184 (LYHS 4090). (Offered Spring and Summer)

430:188(g). Nonprofit Leadership Practicum -- 2 hrs.

(LYHS 4339/LYHS 5339)

Professional development forum to explore professional preparation and professional practice issues in leisure,

youth and human services, with emphasis on American Humanics Program. Presented through a unique series of activities that encourage critical analysis and self-exploration. May be repeated for maximum of 4 hours. Prerequisite(s): junior standing. (Offered Fall and Spring)

430:189. Seminar -- 1-2 hrs.

(LYHS 4080)

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. (Offered Fall and Spring)

430:201. Social Policy and Issues in Leisure, Youth and Human Services -- 3 hrs.

(LYHS 6201)

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)

430:202. Social Psychology of Leisure -- 3 hrs.

(LYHS 6202)

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. (Offered Spring)

430:220. Evaluation, Research and Accountability -- 3 hrs.

(LYHS 6410)

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)

430:240. Historical and Philosophical Foundations of Leisure, Youth and Human Services -- 3 hrs.

(LYHS 6200)

Historical and philosophical perspective for understanding leisure, leisure behavior, and professional practices in leisure, youth and human services. (Offered Fall)

430:241. Models for Intervention With Youth -- 3 hrs.

(LYHS 6414)

Develops understanding of the various models of intervention utilized by professionals who work with youth in youth-serving agencies. (Variable)

430:244. Youth Development in Nonprofit Organizations -- 3 hrs.

(LYHS 6416)

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)

430:248. Philanthropy and Nonprofit Development: An Overview -- 3 hrs.

(LYHS 6203)

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)

430:249. Trends and Issues in Philanthropy/Nonprofit Development -- 3 hrs.

(LYHS 6420)

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)

430:250. Management Issues in Leisure, Youth and Human Services -- 3 hrs.

(LYHS 6412)

Study of management and administration issues in relation to leisure, youth and human service agencies. (Variable)

430:251. Financial Decision Making for Youth/Human Service Agencies -- 3 hrs.

(LYHS 6408)

Financial function of the nonprofit agency incorporating technical materials applicable to the decision-making role of the agency. (Variable)

430:253. Fundraising and Grant Writing for Nonprofit Agencies -- 3 hrs.

(LYHS 6406)

Comprehensive study of various funding sources and the methodology of nonprofit organizations to secure resources. (Offered Fall)

430:254. Marketing the Youth/Human Service Agency -- 3 hrs.

(LYHS 6404)

Marketing strategies in implementing the exchange relationship between nonprofit organizations and their constituents. (Variable)

430:256. Personnel Management and Supervision in Youth/Human Services -- 3 hrs.

(LYHS 6418)

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)

430:260. Strategic Program Management -- 3 hrs.

(LYHS 6402)

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. (Variable)

430:285. Readings -- 1-4 hrs.

(LYHS 6285)

(Offered Fall, Spring, and Summer)

430:291. Internship -- 2-6 hrs.

(LYHS 6295)

Practical experience in leisure, youth and human services with community agencies. Prerequisite(s): consent of graduate committee. (Offered Fall, Spring, and Summer)

430:299. Research.

(LYHS 6299)

Fee assessed separately for laboratory materials and/or binding of thesis/research paper. (Offered Fall, Spring, and Summer)

430:310. Critical Theories and Practices in Leisure, Youth and Human Services I -- 3 hrs.

(LYHS 7410)

In-depth examination of current theories, philosophical foundations, history and current practices relevant to the leisure, youth and human services fields. Building on foundational theory courses, students analyze and critique the organization and design of leisure, youth and human service 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): 430:202 (LYHS 6202); 430:240 (LYHS 6200); consent of instructor. (Variable)

430:312. Critical Theories and Practices in Leisure, Youth and Human Services II -- 3 hrs.

(LYHS 7412)

Second course in a two-course sequence that surveys leisure, youth and human service 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 leisure, youth and human service 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): 430:310 (LYHS 7410). (Variable)

430:329. Research and Evaluation Seminar -- 1-6 hrs.

(LYHS 7999)

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 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. (Offered Fall and Spring)

2010-2012 UNI Catalog**440 Health, Physical Education and Leisure Services, Interdepartmental (HPELS)****440:010. Personal Wellness -- 3 hrs.**

(HPELS 1010)

Concepts of exercise science, nutrition, stress management, contemporary health issues, and decision making. Assessment, application, and participation in lifetime fitness and skill activities. (Offered Fall, Spring, and Summer)

440:045. Health and Physical Education for Elementary Teachers -- 3 hrs.

(HPELS 2045)

Methods and materials in health education and physical education appropriate for children. No credit for students with credit in 410:135 (HPE 3135) or 420:045 (PEMES 2045). No credit given to Physical Education or Health Education majors or minors. Prerequisite(s): 200:030 (EDPSYCH 2030). (Offered Fall and Spring)

440:120. Technology Integration for the HPELS Professional -- 2 hrs.

(HPELS 2120)

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)

440:210. Quantitative Methods in HPELS -- 3 hrs.

(HPELS 6210)

Practical statistical applications commonly used in health, physical education, leisure and exercise science with a focus on the analysis and interpretation of data through the use of computer software packages. Prerequisite(s): 250:180 (MEASRES 4180/MEASRES 5180) or equivalent (Offered Fall and Spring)

440:215. Qualitative Methods in HPELS -- 3 hrs.

(HPELS 6215)

Application of qualitative methods of data collection and analysis to topics in athletic training, health promotion and education, physical education, leisure, youth and human services. Prerequisite(s): 220:293 (SPED 6293) or equivalent (Variable)

440:290. Research Methods for Health, Physical Education and Leisure Services -- 3 hrs.

(HPELS 6290)

Introduction to processes of research in physical education, emphasis on critical analysis of literature, and identification of viable research projects. (Offered Fall and Spring)

2010-2012 UNI Catalog 450 Social Work (SW)

450:041. Social Welfare: A World View -- 3 hrs.

(SW 1041)

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 900:041 (SOC SCI 1041)) (Offered Fall and Spring)

450:042. Social Services and Social Work -- 3 hrs.

(SW 2042)

Legal aspects, goals, and values of the social work profession, and roles of the social worker in social service agencies. Prerequisite(s): 450:041 (SW 1041) or consent of instructor. (Offered Fall and Spring)

450:045. American Racial and Ethnic Minorities -- 3 hrs.

(SW 2045)

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 900:045 (SOC SCI 1045) and 980:045 (SOC 1045)) (Offered Fall and Spring)

450:080. Statistics for Social Work -- 3 hrs.

(SW 2080)

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)

450:091. Social Work Practice I -- 3 hrs.

(SW 2091)

Analysis of the principal social work methods -- casework, group work, and community organization. Prerequisite(s): 450:041 (SW 1041); 450:042 (SW 2042) (may be corequisite); or consent of instructor. (Offered Fall and Spring)

450:102. Conflict Resolution -- 3 hrs.

(SW 3102)

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 980:102 (SOC 2090) and 990:102 (ANTH 2090)) (Variable)

450:121(g). Mental Deviance and Mental Health Institutions -- 3 hrs.

(SW 4121/SW 5121)

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): 980:001 (SOC 1000) or 980:060 (SOC 1060); junior standing. (Variable)

450:142(g). Working With Racial and Ethnic Minorities -- 3 hrs.

(SW 4142/SW 5142)

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): 450:041 (SW 1041); junior standing. (Variable)

450:143(g). Stress and Stress Management in the Helping Professions -- 3 hrs.

(SW 4143/SW 5143)

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)

450:144(g). Social Policies and Issues -- 3 hrs.

(SW 4144/SW 5144)

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): 450:041 (SW 1041); 450:042 (SW 2042); senior standing. (Offered Fall and Spring)

450:163(g). Minority Group Relations -- 3 hrs.

(SW 4163/SW 5163)

Study of interpersonal and social relations of minority groups within the larger American society. Prerequisite(s): 980:001 (SOC 1000); junior standing. (Offered Fall and Spring)

450:164(g). Human Behavior and the Social Environment -- 3 hrs.

(SW 4164/SW 5164)

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): 31F:055 (FAM SERV 1055) or 400:120 (PSYCH 2202); 840:014 (BIOL 1014) or a course in biology; junior standing. (Offered Fall and Spring)

450:171(g). Addictions Treatment -- 3 hrs.

(SW 4171/SW 5171)

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)

450:172(g). Human Services Administration -- 3 hrs.

(SW 4172/SW 5172)

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): 450:041 (SW 1041); junior standing. (Variable)

450:173(g). Social Services for the Aged -- 3 hrs.

(SW 4173/SW 5173)

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): 450:041 (SW 1041); junior standing. (Variable)

450:175(g). Child Welfare Policy and Practice -- 3 hrs.

(SW 4175/SW 5175)

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): 450:041 (SW 1041); junior standing. (Variable)

450:184. Field Instruction -- 11-15 hrs.

(SW 3184)

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): 450:042 (SW 2042); 450:164 (SW 4164/SW 5164); 450:185 (SW 3185) and a statistics course; completion of 450:091 (SW 2091) and 450:192 (SW 3192) with a minimum grade of C in each course; Social Work

major; minimum UNI GPA of 2.40; senior standing. (Offered Fall, Spring, and Summer)

450:185. Social Work Research -- 3 hrs.

(SW 3185)

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): 800:023 (MATH 1100) or equivalent; 980:080 (SOC 2020); junior standing. (Offered Fall and Spring)

450:189. Readings in Social Work -- 1-3 hrs.

(SW 3189)

May be repeated only with consent of department. Prerequisite(s): 6 hours in social work; consent of department. (Offered Fall and Spring)

450:190. Specialized Field Placement -- 1-6 hrs.

(SW 4190)

Specialized Field Placement can be designed to meet unique situations; beyond 450:184 (SW 3184). 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 450:184 (SW 3184) and 450:190 (SW 4190). Prerequisite(s): 450:192 (SW 3192); minimum UNI GPA of 2.40. Enrollment by consent of the Field Coordinator only. (Offered Fall and Spring)

450:192. Social Work Practice II -- 3 hrs.

(SW 3192)

Intermediate level, generic social work practice theory and skills, and task-centered intervention. Prerequisite(s): Social Work major; completion of 450:091 (SW 2091) with a minimum grade of C; minimum UNI GPA of 2.40. (Offered Fall and Spring)

450:193(g). Therapeutic Communication -- 3 hrs.

(SW 4193/SW 5193)

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): 450:192 (SW 3192); junior standing. (Variable)

450:194(g). Seminar in Social Work -- 3 hrs.

(SW 4194/SW 5194)

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)

450:195(g). Family and Group Practice -- 3 hrs.

(SW 4195/SW 5195)

Family, family network, and group work intervention skills. Prerequisite(s): 450:192 (SW 3192); junior standing. (Variable)

450:196(g). Community and Organizational Practice -- 3 hrs.

(SW 4196/SW 5196)

Advanced study of planned social change within communities and organizations. Emphasis on social welfare agency environments and issues. Prerequisite(s): 450:192 (SW 3192); junior standing. (Offered Fall and Spring)

450:210. Foundation Practicum I -- 3 hrs.

(SW 6210)

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. (Offered Fall)

450:211. Foundation Practicum II -- 5 hrs.

(SW 6211)

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): 450:210 (SW 6210). (Offered Spring)

450:212. Human Behavior and the Social Environment Micro -- 3 hrs.

(SW 6212)

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. (Offered Fall)

450:213. Human Behavior and the Social Environment Macro -- 3 hrs.

(SW 6213)

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. (Offered Spring)

450:214. Social Work Practice I -- 3 hrs.

(SW 6214)

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. (Offered Fall)

450:215. Social Work Practice II -- 3 hrs.

(SW 6215)

Builds on 450:214 (SW 6214) 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): 450:214 (SW 6214). (Offered Spring)

450:216. Social Work Practice with Organizations and Communities -- 3 hrs.

(SW 6216)

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): 450:214 (SW 6214). (Offered Spring)

450:218. Introduction to Social Work Research -- 3 hrs.

(SW 6218)

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. (Offered Fall)

450:219. Social Welfare Policy and Services -- 3 hrs.

(SW 6219)

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. (Offered Fall)

450:230. Injustice and Oppression -- 3 hrs.

(SW 6230)

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. (Offered Summer)

450:239. Advanced Standing Graduate Seminar -- 4 hrs.

(SW 6239)

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. (Offered Summer)

450:240. Advanced Micro Practice Practicum I -- 5 hrs.

(SW 6240)

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. (Offered Fall and Summer)

450:241. Advanced Micro Practice Practicum II -- 5 hrs.

(SW 6241)

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): 450:240 (SW 6240). (Offered Spring and Summer)

450:242. Approaches to Advanced Micro Practice -- 3 hrs.

(SW 6242)

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. (Offered Fall)

450:243. Advanced Social Work Practice with Groups -- 3 hrs.

(SW 6243)

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. (Offered Fall)

450:244. Advanced Social Work Practice with Families -- 3 hrs.

(SW 6244)

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. (Offered Spring)

450:250. Advanced Social Work Research -- 3 hrs.

(SW 6250)

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. (Offered Fall)

450:255. Social Welfare Policy Analysis -- 3 hrs.

(SW 6255)

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. (Offered Spring)

450:260. Advanced Social Administration Practicum I -- 5 hrs.

(SW 6260)

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. (Offered Fall and Summer)

450:261. Advanced Social Administration Practicum II -- 5 hrs.

(SW 6261)

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): 450:260 (SW 6260). (Offered Spring and Summer)

450:262. Administrative Social Work Practice -- 3 hrs.

(SW 6262)

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. (Offered Fall)

450:263. Grant Writing, Fund Raising, and Contracting -- 3 hrs.

(SW 6263)

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. (Offered Spring)

450:264. Organizational Development and Networking -- 3 hrs.

(SW 6264)

Review of research literature on organizational development, examination of the processes and problems endemic to human service organizations, staff skill development, and networking. (Offered Fall)

450:280. Crisis Intervention -- 3 hrs.

(SW 6280)

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): 450:214 (SW 6214) or completion of 450:239 (SW 6239). (Variable)

450:285. Readings -- 1-6 hrs.

(SW 6285)

Prerequisite(s): consent of instructor. (Offered Fall and Spring)

450:289. Graduate Seminar in Social Work -- 3 hrs.

(SW 6289)

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)

2010-2012 UNI Catalog 48C (Communication Studies)

48C:001. Oral Communication -- 3 hrs.

(COMM 1000)

Development of speaking and listening skills by studying the process and theory of communication and by applying communication principles to various speaking situations. (Offered Fall, Spring, and Summer)

48C:002. Introduction to Communication -- 1 hr.

(COMM 2011)

Overview of the communication discipline, career paths, and career preparation. Prerequisite(s): 48C:001 (COMM 1000). (Offered Fall, Spring, and Summer)

48C:004. Interpersonal Communication -- 3 hrs.

(COMM 2344)

Study of communication in relationships; exploration and experience with concepts and processes involved in one-to-one communication. Prerequisite(s): 48C:001 (COMM 1000). (Offered Fall, Spring, and Summer)

48C:011. Oral Interpretation: Texts in Performance -- 3 hrs.

(COMM 2256)

Introduction to the performance, analysis, and criticism of literary and aesthetic texts. (Offered Fall and Spring)

48C:015. Interpreters Theatre: Directing and Scripting for Group Performance -- 3 hrs.

(COMM 2455)

Adapting and staging texts for live and electronic group performances. Work in narrative adaptation, montage scripting, and ethnodrama. Prerequisite(s): 48C:011 (COMM 2256) or 620:031 (ENGLISH 1120) or equivalent. (Offered Spring)

48C:024. Media Literacy -- 3 hrs.

(COMM 2533)

Development of the ability to critically analyze media messages by examining the techniques, technologies, and institutions that are involved in media production. (Offered Spring)

48C:025. Interactive Digital Communication -- 3 hrs.

(COMM 2555)

Examines introductory digital studies topics, including visual grammar, design history, 21st century literacy practices and aspects of writing and designing for the Web. (Offered Fall and Spring)

48C:031. Group Communication Skills -- 3 hrs.

(COMM 1205)

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): 48C:001 (COMM 1000). (Offered Fall and Spring)

48C:071. Public Speaking -- 3 hrs.

(COMM 2255)

Teaches students to prepare, adapt, present, and critique a variety of speeches in a public setting. Prerequisite(s): 48C:001 (COMM 1000). (Offered Fall and Spring)

48C:074. Argumentation and Debate -- 3 hrs.

(COMM 2257)

Training in the basics of academic debate and policy analysis. Prerequisite(s): 48C:001 (COMM 1000). (Offered Fall)

48C:080. Introduction to Research Methods -- 3 hrs.

(COMM COR 2020)

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): 48C:001 (COMM 1000). (Offered Fall and Spring)

48C:091. Applied Forensics -- 1 hr.

(COMM 1940)

Credit for approved participation in competitive speech and debate activities. May be repeated for maximum of 8 hours. Prerequisite(s): consent of instructor. (Offered Fall and Spring)

48C:093. Applied Performance Studies -- 1-2 hrs.

(COMM 1941)

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. (Offered Fall and Spring)

48C:108(g). Performance and Social Change -- 3 hrs.

(COMM 4447/COMM 5447)

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. (Offered Spring)

48C:110(g). Cultural Performance -- 3 hrs.

(COMM 4448/COMM 5448)

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. (Offered Fall)

48C:113(g). Social Protest: Performance and Rhetoric -- 3 hrs.

(COMM 4446/COMM 5446)

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)

48C:117(g). Interpreters Theatre Production -- 1-2 hrs.

(COMM 4490/COMM 5490)

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): 48C:015 (COMM 2455); approved Performance Studies project application; junior standing; consent of instructor. (Offered Fall and Spring)

48C:119(g). Readings in Performance Studies -- 1-3 hrs.

(COMM 4909/COMM 5909)

Extensive individual study of special topics in performance studies theory, history, or research. Prerequisite(s): 48C:011 (COMM 2256); 48C:108 (COMM 4447/COMM 5447) or 48C:110 (COMM 4448/COMM 5448); junior standing. (Variable)

48C:120(g). Technology and Human Communication -- 3 hrs.

(COMM 4544/COMM 5544)

Investigation of the relationships between technology and communication and their impact on social behavior, thought, and culture. Prerequisite(s): junior standing. (Offered Even Falls)

48C:121(g). Nonverbal Communication -- 3 hrs.

(COMM 4311/COMM 5311)

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 680:102g (HUM 3102/5102)) (Offered Spring and Fall)

48C:122(g). Language and Communication -- 3 hrs.

(COMM 4411/COMM 5411)

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. (Offered Fall and Spring)

48C:123(g). Rhetorical Theories -- 3 hrs.

(COMM 4211/COMM 5211)

Survey of the development of rhetorical theory from classical times to the present. Exploration of what constitutes communication, what role it plays in social/political/cultural orders, how it differs between groups, and how it affects social change. Emphasis on classical to contemporary rhetorical theory or contemporary rhetorical theory.

Prerequisite(s): junior standing. (Offered Spring)

48C:124. Communication Theories -- 3 hrs.

(COMM COR 4124)

Investigation of theories and concepts used to explain human communication. Prerequisite(s): 48C:001 (COMM 1000). (Offered Fall and Spring)

48C:128. Ethics in Communication -- 3 hrs.

(COMM 4236)

Exploration of ethical dimensions and dilemmas in communication. Prerequisite(s): junior standing. (Same as CAP:128 (CAP 3128)) (Offered Spring)

48C:131(g). Group Communication Theory and Analysis -- 3 hrs.

(COMM 4111/COMM 5111)

In-depth study of theories and research in group communications. Prerequisite(s): 48C:001 (COMM 1000); junior standing. (Offered Spring)

48C:132. Organizational Communication -- 3 hrs.

(COMM 2155)

Study of communication theories and practices in organizational settings. Organizational communication processes may include leadership decision-making, conflict resolution, and technology. Prerequisite(s): 48C:001 (COMM 1000). (Offered Fall and Spring)

48C:134(g). Organizational Cultures and Communication -- 3 hrs.

(COMM 4134/COMM 5134)

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): 150:153 (MGMT 3153) or 48C:132 (COMM 2155); 48C:080 (COMM COR 2020); junior standing. (Offered Fall)

48C:135(g). Organizational Communication Assessment -- 3 hrs.

(COMM 4155/COMM 5155)

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): 48C:080 (COMM COR 2020); 48C:132 (COMM 2155); junior standing. (Offered Spring)

48C:136(g). Mediation Theory and Process -- 3 hrs.

(COMM 4316/COMM 5316)

Analysis of mediation concepts and processes involving third party intervention in a conflict context. Prerequisite(s): 48C:004 (COMM 2344); junior standing. (Variable)

48C:138(g). Health Communication -- 3 hrs.

(COMM 4116/COMM 5116)

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. (Offered Odd Springs)

48C:141(g). Listening -- 3 hrs.

(COMM 4355/COMM 5355)

Study of theory and process of listening, methods of improving skills, and career applications. Prerequisite(s): junior standing. (Offered Fall and Spring)

48C:142(g). Family Communication -- 3 hrs.

(COMM 4347/COMM 5347)

Study of communication phenomena in the family setting. Examination of how communication influences the development, maintenance, and enhancement of family relationships. Prerequisite(s): 48C:004 (COMM 2344); junior standing. (Offered Fall)

48C:144(g). Advanced Interpersonal Communication -- 3 hrs.

(COMM 4322/COMM 5322)

Advanced study of theories and research in interpersonal communication. Prerequisite(s): 48C:004 (COMM 2344); junior standing. (Offered Fall)

48C:146. Oral History Communication -- 3 hrs.

(COMM 3455)

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. (Offered Even Springs)

48C:148(g). Communication and Conflict Management -- 3 hrs.

(COMM 4333/COMM 5333)

Exploration of the processes involved in managing conflict in various communication contexts. Prerequisite(s): 48C:004 (COMM 2344); junior standing. (Offered Spring)

48C:151(g). Intercultural Communication -- 3 hrs.

(COMM 4344/COMM 5344)

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. (Offered Spring)

48C:153(g). Gender Issues in Communication -- 3 hrs.

(COMM 4346/COMM 5346)

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. (Offered Fall)

48C:155(g). Communication, Community, and Change -- 3 hrs.

(COMM 4444/COMM 5444)

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. (Offered Spring)

48C:160(g). Political Communication -- 3 hrs.

(COMM 4216/COMM 5216)

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. (Offered Even Falls)

48C:166(g). Selected Topics in Communication -- 3 hrs.

(COMM 3000/COMM 5000)

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)

48C:168(g). Message Design and Delivery -- 3 hrs.

(COMM 4555/COMM 5555)

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): [48C:001](#) (COMM 1000); [48C:071](#) (COMM 2255); junior standing. (Variable)

48C:173. Business and Professional Oral Communication -- 3 hrs.

(COMM 3155)

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): [48C:001](#) (COMM 1000). (Offered Fall and Spring)

48C:176(g). Freedom of Speech -- 3 hrs.

(COMM 4217/COMM 5217)

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)

48C:178. Persuasion -- 3 hrs.

(COMM 4218)

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)

48C:179. Cooperative Education -- 1-6 hrs.

(COMM 3179)

(Offered Fall, Spring, and Summer)

48C:180(g). Quantitative Research Methods -- 3 hrs.

(COMM 4021/COMM 5021)

Examination of principles and procedures of communication research with emphasis on experimental and survey methods and techniques. Students will complete research projects. Prerequisite(s): [48C:080](#) (COMM COR 2020) or equivalent; junior standing. (Offered Fall and Spring)

48C:183(g). Qualitative Research Methods -- 3 hrs.

(COMM 4022/COMM 5022)

Examination of principles and procedures of communication research with emphasis on interpretive and ethnographic techniques. Students complete research projects. Prerequisite(s): [48C:080](#) (COMM COR 2020) or equivalent; junior standing. (Offered Fall and Spring)

48C:187(g). Teaching of Speech -- 3 hrs.

(COMM 4559/COMM 5559)

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; [200:017](#) (EDPSYCH 2017); [200:030](#) (EDPSYCH 2030); junior standing. (Offered Fall)

48C:189(g). Rhetorical Communication Research Methods -- 3 hrs.

(COMM 4023/COMM 5023)

Examination of principles and procedures of rhetorical criticism. Students complete research projects.
Prerequisite(s): [48C:080](#) (COMM COR 2020) or equivalent; junior standing. (Offered Odd Springs)

48C:191. Applied Forensics -- 1 hr.
(COMM 3940)

Credit for approved participation in competitive speech and debate activities. May be repeated for maximum of 8 hours. Prerequisite(s): consent of instructor. (Offered Fall and Spring)

48C:193. Applied Performance Studies -- 1-2 hrs.
(COMM 3941)

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. (Offered Fall and Spring)

48C:197(g). Internship in Communication -- 1-6 hrs.
(COMM 3900/COMM 5900)

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. (Offered Fall, Spring, and Summer)

48C:201. Introduction to Graduate Study and Research -- 3 hrs.
(COMMGRAD 6001)

Exploration of communication research methodologies and resources. (Offered Fall)

48C:212. Seminar in Performance Studies -- 3 hrs.
(COMMGRAD 6044)

Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

48C:222. Seminar in Communication -- 3 hrs.
(COMMGRAD 6042)

Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

48C:224. Communication Theory -- 3 hrs.
(COMMGRAD 6011)

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. (Offered Spring)

48C:232. Seminar in Organizational Communication -- 3 hrs.
(COMMGRAD 6041)

Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Offered Fall)

48C:236. Communication Research Methodology -- 3 hrs.
(COMMGRAD 6022)

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; [48C:201](#) (COMMGRAD 6001) or approval of instructor. (Offered Fall and Spring)

48C:236-01 Quantitative Methods.

Introduction to the quantitative methods employed in the study of communication, including experimental and survey techniques.

48C:236-02 Qualitative Methods.

Introduction to the qualitative research methods employed in the study of communication, including interpretive and ethnographic techniques.

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.

48C:244. Interpersonal Communication -- 3 hrs.

(COMMGRAD 6043)

Synthesis of psychological, sociological, philosophical analysis of person-to-person communication. (Variable)

48C:251. Critical and Cultural Studies in Communication -- 3 hrs.

(COMMGRAD 6014)

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): 48C:201 (COMMGRAD 6001) or approval of instructor. (Offered Fall and Spring)

48C:282. Seminar in Communication Education -- 3 hrs.

(COMMGRAD 6045)

Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Offered Fall)

48C:291. Projects in Communication Studies -- 1-3 hrs.

(COMMGRAD 6955)

May be repeated for maximum of 3 hours. Consent of departmental committee must be obtained before registration. (Variable)

48C:292. Graduate Internship -- 2-3 hrs.

(COMMGRAD 6900)

Experiential learning appropriate for the student's model program of study in the master of arts in communication curriculum. Prerequisite(s): fully admitted into the graduate program; completion of 12 hours of graduate course work in the department; permission of faculty advisor who will determine any other prerequisite courses. (Offered Fall, Spring, and Summer)

48C:299. Research.

(COMMGRAD 6299)

(Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog

48E (Communication Studies: Electronic Media) (COMM EM)

48E:003. Introduction to Electronic Production -- 3 hrs.

(COMM EM 1655)

Introduction to audio and video production theories and techniques. Emphasis on gaining an understanding of production terminology, a mastery of basic production techniques, and comprehension of the information these communicate to an audience. (Offered Fall and Spring)

48E:011. Audio Production: (Topic) -- 1-6 hrs.

(COMM EM 2656)

Advanced theory and practice of producing audio programming for a variety of areas. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): 48E:003 (COMM EM 1655); 48E:071 (COMM EM 1659). (Offered Fall and Spring)

48E:013. Video Production: (Topic) -- 1-6 hrs.

(COMM EM 1013)

Advanced theory and practice of producing video programming for a variety of areas. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): 48E:003 (COMM EM 1655); 48E:071 (COMM EM 1659). (Offered Fall and Spring)

48E:021. Electronic Media Literacy -- 3 hrs.

(COMM EM 1611)

Development of ability to read television; a basic knowledge of how and why media images are selected, in order to foster a more dynamic relationship between citizens and media. Prerequisite(s): 48J:002 (COMM COR 1010). (Offered Fall and Spring)

48E:071. Beginning Writing for Electronic Media -- 3 hrs.

(COMM EM 1659)

Techniques and script styles used in writing copy, continuity, and programs for radio and television. Prerequisite(s): 48J:002 (COMM COR 1010). (Offered Fall and Spring)

48E:091. Applied Electronic Media -- 1 hr.

(COMM EM 2940)

Credit available for qualified students who work on campus radio station, KGRK, and/or on other authorized radio/TV/film projects. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Offered Fall, Spring, and Summer)

48E:112. Multimedia Production -- 3 hrs.

(COMM EM 3657)

Examination of principles of design and creation of interactive multimedia applications. Prerequisite(s): 48E:003 (COMM EM 1655); junior standing. (Offered Fall and Spring)

48E:113. Video Practicum: (Topic) -- 1-6 hrs.

(COMM EM 3655)

Production of weekly television program, 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): 48E:013 (COMM EM 1013) (Variable)

48E:117. Electronic Media Projects -- 1-6 hrs.

(COMM EM 3658)

Individualized independent production for audio and/or video. Students work under the supervision of faculty on a major project beyond the scope of existing courses. May be repeated for maximum of 6 hours. Prerequisite(s): 48E:011 (COMM EM 2656) or 48E:013 (COMM EM 1013); junior standing; consent of instructor. (Variable)

48E:121(g). Electronic Media and Culture -- 3 hrs.

(COMM EM 4646/COMM EM 5646)

Examination of electronic media and its relationship to culture. Use of a number of approaches to define culture and to analyze media products as cultural forms. Prerequisite(s): 48E:021 (COMM EM 1611); junior standing. (Offered Fall)

48E:123(g). Electronic Media Form, Content, Criticism -- 3 hrs.

(COMM EM 4633/COMM EM 5633)

Advanced examination of electronic media programming forms and content as an art form and as a vehicle for dissemination of information. Analysis may include historical and/or contemporary examples. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): 48E:021 (COMM EM 1611); junior standing. (Variable)

48E:131(g). Electronic Media: Audience Analysis -- 3 hrs.

(COMM EM 4655/COMM EM 5655)

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): 48E:021 (COMM EM 1611); junior standing. (Offered Fall)

48E:132(g). Electronic Media: Law and Policy -- 3 hrs.

(COMM EM 4636/COMM EM 5636)

Examination of electronic media and related policies and procedures in the United States, including areas of broadcast, common carrier, and cable regulations. Prerequisite(s): 48E:021 (COMM EM 1611); junior standing. (Offered Spring)

48E:134(g). Electronic Media Management -- 3 hrs.

(COMM EM 4656/COMM EM 5656)

Examination of administrative oversight of electronic media business aspects such as production, programming, personnel, sales, and engineering. Prerequisite(s): 48E:021 (COMM EM 1611); junior standing. (Offered Fall)

48E:136. Electronic Media Sales and Promotion -- 3 hrs.

(COMM EM 3651)

Sales techniques in television and radio; analysis of sales organizations and operations; principles and problems of broadcast promotions; and principles and practices of television and radio development, including promotion and fund raising. Prerequisite(s): 48E:071 (COMM EM 1659); junior standing. (Variable)

48E:139(g). Electronic Media Industries: (Topic) -- 3 hrs.

(COMM EM 4611/COMM EM 5611)

Focus on operation of various mass media industries as they evolved and function as social, cultural, political, and economic entities. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): 48E:021 (COMM EM 1611); junior standing. (Variable)

48E:141(g). Electronic Media: Processes and Effects -- 3 hrs.

(COMM EM 4616/COMM EM 5616)

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): 48E:021 (COMM EM 1611); junior standing. (Offered Spring)

48E:161(g). Communication Technologies -- 3 hrs.

(COMM EM 4647/COMM EM 5647)

Examination of past, current, and emerging communication technologies and how they affect those who use them. Emphasis on the variety of social consequences, intended or not, that can result from use and interaction with communications technologies. Prerequisite(s): 48J:002 (COMM COR 1010); junior standing. (Offered Fall and Spring)

48E:166(g). Selected Topics in Electronic Media -- 3 hrs.

(COMM EM 4600/COMM EM 5600)

Extensive work in specialized electronic media concepts, processes and approaches. May be repeated once on a different topic. Prerequisite(s): junior standing. (Variable)

48E:179. Cooperative Education.

(COMM EM 3179)

(Variable)

48E:191. Applied Electronic Media -- 1 hr.

(COMM EM 3940)

Credit available for qualified students who work on campus radio station, KGRK, and/or on other authorized radio/TV/film projects. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Offered Fall, Spring, and Summer)

48E:195. Senior Seminar in Electronic Media -- 3 hrs.

(COMM EM 4644)

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. (Offered Fall and Spring)

48E:197(g). Internship in Electronic Media -- 1-6 hrs.

(COMM EM 3900/COMM EM 5900)

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. (Offered Fall, Spring, and Summer)

48E:201. Introduction to Graduate Study and Research -- 3 hrs.

(COMMGRAD 6001)

Exploration of electronic media research methodologies and resources. (Cross listed as 48C:201 (COMMGRAD 6001)) (Offered Fall)

48E:222. Seminar in Mass Communication -- 3 hrs.

(COMMGRAD 6046)

Various topics will be offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

48E:224. Mass Communication Theory -- 3 hrs.

(COMMGRAD 6016)

For beginning graduate students to explore mass communication inquiry. Provides working knowledge of some of the major literature on mass communication theory and research. (Offered Fall)

48E:291. Projects in Electronic Media -- 1-3 hrs.

(COMMGRAD 6955)

(Cross listed as 48C:291 (COMMGRAD 6955)) (Variable)

48E:292. Graduate Internship -- 2-3 hrs.

(COMMGRAD 6900)

(Cross listed as 48C:292 (COMMGRAD 6900)) (Offered Fall and Spring)

48E:299. Research.

(COMMGRAD 6299)

(Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog
48J (Communication Studies: Journalism) (COMM J)

48J:002. Mass Communication and Society -- 3 hrs.

(COMM COR 1010)

Survey of basic mass communication processes, including history and structure of media and media-related industries and sales, audiences, effects, careers, and future directions. (Offered Fall and Spring)

48J:007. Reporting Methodologies and Sources -- 3 hrs.

(COMM J 1755)

Emphasis on information gathering techniques for the mass media, including examination of search strategies, sources, and news values. (Offered Fall and Spring)

48J:071. News Writing for Print Media -- 3 hrs.

(COMM J 2755)

Principles and practice of writing, editing, and compiling news for the print media. Prerequisite(s): 48J:002 (COMM COR 1010); 48J:007 (COMM J 1755). (Offered Fall and Spring)

48J:121(g). History of Mass Communication -- 3 hrs.

(COMM J 4711/COMM J 5711)

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): 48J:002 (COMM COR 1010); junior standing. (Offered Spring)

48J:124(g). Communication Theories -- 3 hrs.

(COMM COR 3010/COMM COR 5010)

(Cross listed as 48C:124g (COMM COR 4124)) (Offered Fall and Spring)

48J:132(g). Mass Communication Law and Ethics -- 3 hrs.

(COMM J 4743/COMM J 5743)

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. (Offered Fall and Spring)

48J:151(g). Global Mass Communication Systems -- 3 hrs.

(COMM J 4754/COMM J 5754)

Media practices and philosophies in the major regions of the world. Government and economic structures of global communications processes and practices. Prerequisite(s): 48J:002 (COMM COR 1010); junior standing. (Offered Fall)

48J:171(g). Advanced Reporting -- 3 hrs.

(COMM J 4735/COMM J 5735)

Gathering information and writing and editing of complex news stories; emphasis on advanced techniques of interviewing, journal research, and personal observation. Prerequisite(s): 48J:071 (COMM J 2755); junior standing. (Offered Fall and Spring)

48J:172. Editing and Design -- 3 hrs.

(COMM J 3756)

Copyreading, proofreading, writing headlines; studying make-up, typography, and photography. Prerequisite(s): 48J:071 (COMM J 2755) or consent of instructor. (Offered Fall and Spring)

48J:174. Online Journalism -- 3 hrs.

(COMM J 3755)

Writing and developing online journalism, including web pages with audio slide shows, interactive timelines, motion graphics, video, and podcasts. Prerequisite(s): 48J:071 (COMM J 2755) or consent of instructor. (Offered Fall and Spring)

48J:176(g). Feature Writing -- 3 hrs.

(COMM J 4765/COMM J 5765)

Writing and marketing different types of articles for various publications. Prerequisite(s): 48J:071 (COMM J 2755) or 620:015 (ENGLISH 2015) or consent of instructor; junior standing. (Offered Spring)

48J:178(g). Specialized Reporting: (Topics) -- 3 hrs.

(COMM J 4715/COMM J 5715)

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): 48J:171 (COMM J 4735/COMM J 5735) or consent of instructor; junior standing. (Variable)

48J:179. Cooperative Education.

(COMM J 3179)

(Variable)

48J:197. Internship in Journalism -- 1-6 hrs.

(COMM J 3900)

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. (Offered Fall, Spring, and Summer)

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48P (Communication Studies: Public Relations) (COMM PR)

48P:005. Principles of Public Relations -- 3 hrs.

(COMM PR 1811)

Introduction to theories, processes, and techniques involved in researching, planning, and implementing programs designed to influence public opinion and human behavior. Prerequisite(s): 48C:001 (COMM 1000); 620:005 (ENGLISH 1005). (Offered Fall and Spring)

48P:091. Applied Public Relations -- 1 hr.

(COMM PR 1840)

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. (Offered Fall and Spring)

48P:170(g). Global Public Relations -- 3 hrs.

(COMM PR 4822/COMM PR 5822)

Examination and comparison of cultural and geopolitical distinctions of global public relations practice. Prerequisite(s): junior standing. (Offered Fall)

48P:173. Public Relations Writing -- 3 hrs.

(COMM PR 2855)

Conceptualization and multi-media adaptation of copy for public relations campaigns. Prerequisite(s): 48J:007 (COMM J 1755). (Offered Fall and Spring)

48P:179. Cooperative Education.

(COMM PR 3179)

(Variable)

48P:182(g). Public Relations Campaign Methods -- 3 hrs.

(COMM PR 4855/COMM PR 5855)

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): 48P:005 (COMM PR 1811); junior standing. (Offered Fall and Spring)

48P:184(g). Public Relations: Integrated Communications -- 3 hrs.

(COMM PR 3844/COMM PR 5844)

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. (Offered Spring)

48P:188(g). Public Relations: Cases and Studies -- 3 hrs.

(COMM PR 4811/COMM PR 5811)

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. (Offered Fall and Spring)

48P:191. Applied Public Relations -- 1 hr.

(COMM PR 3940)

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. (Offered Fall and Spring)

48P:197(g). Internship in Public Relations -- 1-6 hrs.

(COMM PR 3900/COMM PR 5900)

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. (Offered Fall, Spring, and Summer)

48P:201. Introduction to Graduate Study and Research -- 3 hrs.

(COMMGRAD 6001)

(Cross listed as 48C:201 (COMMGRAD 6001)) (Offered Fall and Spring)

48P:222. Seminar in Mass Communication -- 3 hrs.

(COMMGRAD 6048)

(Cross listed as 48E:222 (COMMGRAD 6046)) (Variable)

48P:224. Mass Communication Theory -- 3 hrs.

(COMMGRAD 6018)

(Cross listed as 48E:224 (COMMGRAD 6016)) (Offered Fall)

48P:282. Seminar in Public Relations -- 3 hrs.

(COMMGRAD 6027)

Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

48P:292. Graduate Internship -- 2-3 hrs.

(COMMGRAD 6900)

(Cross listed as 48C:292 (COMMGRAD 6900)) (Offered Fall and Spring)

48P:299. Research.

(COMMGRAD 6299)

(Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog 490 Theatre (THEATRE)

490:002. The Theatrical Arts and Society -- 3 hrs.

(THEATRE 1002)

Audience-oriented introduction to the dramatic arts, including the live theatre, film, and television, and their interrelationships with society. Arranged lab required. (Offered Fall and Spring)

490:010. Creativity and Performance -- 3 hrs.

(THEATRE 1010)

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): 490:011 (THEATRE 1011). (Offered Fall and Spring)

490:011. Creativity and Performance Lab -- 1 hr.

(THEATRE 1011)

Provides running crew assignments for all productions in a given semester. Requires an extensive evening commitment. Corequisite(s): 490:010 (THEATRE 1010). (Offered Fall and Spring)

490:015. Stagecraft: Scenery/Lights -- 3 hrs.

(THEATRE 1012)

Introduction to scenery and lighting planning, research and construction for theatrical production. Involves work in the Strayer-Wood Theatre Scenery Studio on Theatre UNI mainstage season plays. Discussion, 3 periods; lab, 3 periods. Lab fee. (Offered Fall and Spring)

490:016. Stagecraft: Costumes -- 3 hrs.

(THEATRE 1015)

Introduction to costume planning, research and construction for theatrical productions. Involves work in the Strayer-Wood Theatre Costume Studio on Theatre UNI mainstage season plays. Discussion 3 periods, lab 3 periods. Lab fee. (Offered Fall and Spring)

490:020. Introduction to Reading Playscripts -- 3 hrs.

(THEATRE 1020)

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. (Offered Fall and Spring)

490:024. Acting -- 3 hrs.

(THEATRE 1030)

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: 490:010 (THEATRE 1010); 490:011 (THEATRE 1011) (Offered Fall and Spring)

490:027. Auditioning and the Business of Acting -- 3 hrs.

(THEATRE 2030)

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): 490:010 (THEATRE 1010); 490:011 (THEATRE 1011); 490:024 (THEATRE 1030) or consent of instructor. (Offered Fall)

490:040. Design Elements for Theatre -- 3 hrs.

(THEATRE 2040)

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: 490:010 (THEATRE 1010); 490:011 (THEATRE 1011). Prerequisite(s) for other

students: consent of instructor. (Offered Fall)

490:050. Theatre Practicum -- 1 hr.

(THEATRE 2050)

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): [490:010](#) (THEATRE 1010); [490:011](#) (THEATRE 1011). (Offered Fall and Spring)

490:056. Devised Theatre -- 3 hrs.

(THEATRE 2055)

Collaboration in the creation and presentation of devised work. Prerequisite(s): [490:010](#) (THEATRE 1010); [490:011](#) (THEATRE 1011); declaration of an area emphasis or consent of the department. (Variable)

490:101. Creative Drama -- 3 hrs.

(THEATRE 1100)

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. (Offered Fall and Spring)

490:104(g). Theatre for Youth -- 3 hrs.

(THEATRE 3110/THEATRE 5110)

Specific problems of producing theatre for children, including readings in children's literature, child psychology, and plays. Practical experience in improvised and scripted performances. Prerequisite(s): junior standing. (Offered Spring)

490:106. Theatre in Education -- 3 hrs.

(THEATRE 3100)

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:106 (CAP 3106)*) (Variable)

490:109. Methods of Teaching Drama and Theatre -- 3 hrs.

(THEATRE 3115)

Introduction, exploration, and application of various methods for teaching and assessing drama and theatre practices and learning in K-12 venues. Prerequisite(s): [490:010](#) (THEATRE 1010); [490:011](#) (THEATRE 1011) or [490:024](#) (THEATRE 1030) or [490:101](#) (THEATRE 1100). (Offered Fall and Spring)

490:121. Movement for the Actor -- 3 hrs.

(THEATRE 2120)

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): [490:010](#) (THEATRE 1010). (Offered Fall)

490:122. Vocal Production for the Actor -- 3 hrs.

(THEATRE 2130)

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): [490:010](#) (THEATRE 1010); [490:011](#) (THEATRE 1011); [490:121](#) (THEATRE 2120); declaration of area emphasis. (Offered Spring)

490:126(g). Acting Styles -- 3 hrs.

(THEATRE 3120/THEATRE 5120)

Application of techniques learned in [490:024](#) (THEATRE 1030), including theoretical studies of various styles of acting as well as extensive scene work. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): [490:010](#) (THEATRE 1010); [490:024](#) (THEATRE 1030); [490:122](#) (THEATRE 2130); [490:135](#) (THEATRE 3060); [490:136](#) (THEATRE 3070); or consent of instructor; junior standing. (Offered Fall)

490:127(g). Acting Studio -- 3 hrs.

(THEATRE 3125/THEATRE 5125)

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): [490:010](#) (THEATRE 1010); [490:011](#) (THEATRE 1011); [490:024](#) (THEATRE 1030); junior standing; consent of instructor. (Variable)

490:128. Advanced Voice and Movement -- 3 hrs.

(THEATRE 3130)

Continuation of voice and movement pedagogy to facilitate the actor's development. Other topics include dialects, period style work, and other movement techniques, research. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): [490:121](#) (THEATRE 2120); [490:122](#) (THEATRE 2130); declaration of area emphasis. (Variable)

490:129(g). Stage Combat -- 2 hrs.

(THEATRE 3135/THEATRE 5135)

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. (Offered Spring)

490:135. History of the Theatre I -- 3 hrs.

(THEATRE 3060)

Examination of plays, production methods, and historical trends in the theatre from its beginnings through 1800. Prerequisite(s): for Theatre majors: [490:010](#) (THEATRE 1010). Prerequisite(s) for other students: consent of instructor. (Formerly 490:060) (Offered Fall)

490:136. History of the Theatre II -- 3 hrs.

(THEATRE 3070)

Examination of plays, production methods, and historical trends in the theatre from 1800 through the present. Prerequisite(s): for Theatre majors: [490:010](#) (THEATRE 1010). Prerequisite(s) for other students: consent of instructor. (Formerly 490:061) (Offered Spring)

490:137(g). History of the Theatre III -- 3 hrs.

(THEATRE 3080/THEATRE 5080)

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): [490:010](#) (THEATRE 1010); [490:135](#) (THEATRE 3060); [490:136](#) (THEATRE 3070); or consent of instructor; junior standing. (Formerly 490:160g) (Variable)

490:138. Playscript Analysis and Interpretation -- 3 hrs.

(THEATRE 2020)

Readings and analysis of plays (Greek to the present) in preparation for production. Prerequisite(s): for Theatre majors: [490:010](#) (THEATRE 1010); [490:011](#) (THEATRE 1011); [490:020](#) (THEATRE 1020); or consent of instructor. (Formerly 490:034) (Offered Fall and Spring)

490:140. Production Techniques -- 3 hrs.

(THEATRE 2140)

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: [490:040](#) (THEATRE 2040). Prerequisite for other students: consent of instructor.

490:141. Design: Sets -- 3 hrs.

(THEATRE 3140)

Discussion and project work in the development of scenery for the performing arts. Prerequisite(s): 490:010 (THEATRE 1010); 490:040 (THEATRE 2040); 490:140 (THEATRE 2140) (Drafting); sophomore standing. (Variable)

490:142. Design: Lights -- 3 hrs.
(THEATRE 3145)

Discussion and project work in the development and presentation of lighting for the performing arts. Prerequisite(s): 490:010 (THEATRE 1010); 490:040 (THEATRE 2040); 490:140 (THEATRE 2140) (Drafting); sophomore standing. (Variable)

490:143. Design: Costumes -- 3 hrs.
(THEATRE 3150)

Discussion and project work in the development of costumes for the performing arts. Prerequisite(s): for Theatre majors: 490:010 (THEATRE 1010); 490:016 (THEATRE 1015); 490:040 (THEATRE 2040); sophomore standing. Prerequisite(s) for other students: consent of instructor. (Variable)

490:144(g). Topics in Theatre Design and Production -- 3 hrs.
(THEATRE 3155/THEATRE 5155)

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: 490:040 (THEATRE 2040); one Production Techniques (490:140 (THEATRE 2140)); junior standing. Prerequisites for other students: junior standing; consent of instructor. (Variable)

490:151(g). Theatre Production -- 1-4 hrs.
(THEATRE 3050/THEATRE 5050)

Assumption of a major production responsibility under supervision of faculty. Lab, 2 hrs. May be repeated in various production areas for maximum of 8 hours. Prerequisite(s): junior standing; consent of supervising instructor. (Offered Fall and Spring)

490:155(g). Theatre Management -- 3 hrs.
(THEATRE 3180/THEATRE 5180)

Intensive study of business practices in the academic, community, and commercial theatre. Field trips and guest lectures. Prerequisite(s): junior standing. (Variable)

490:157(g). Stage Management -- 3 hrs.
(THEATRE 3190/THEATRE 5190)

Introduction to techniques, procedures, and forms used in stage managing theatre and allied performing arts. Prerequisite(s): 490:010 (THEATRE 1010); sophomore standing or consent of instructor. (Offered Spring)

490:158(g). Internship -- 1-8 hrs.
(THEATRE 3200/THEATRE 5200)

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)

490:161. Directing I -- 3 hrs.
(THEATRE 3160)

Analysis of plays and fundamentals of directing. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): for Theatre majors: 490:010 (THEATRE 1010); 490:024 (THEATRE 1030); 490:138 (THEATRE 2020); junior standing. For Communication-Theatre Majors-Teaching: 490:015 (THEATRE 1012); 490:024 (THEATRE 1030); 490:138 (THEATRE 2020); junior standing. (Offered Fall)

490:166(g). Readings in Theatre -- 3 hrs.
(THEATRE 4166/THEATRE 5166)

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)

490:168(g). Playwriting -- 3 hrs.

(THEATRE 3195/THEATRE 5195)

Prerequisite(s): for Theatre majors: 490:010 (THEATRE 1010) or consent of instructor; junior standing.

Prerequisites for other students: consent of instructor; junior standing. (Offered Spring)

490:170. Senior Project -- 3 hrs.

(THEATRE 3170)

Departmentally-approved self-directed culminating project in a student's emphasis area: 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)

490:199. Study Tour -- 1-6 hrs.

(THEATRE 3199)

Theatre study abroad in established programs. (Variable)

490:285. Readings in Theatre -- 3 hrs.

(THEATRE 6285)

(Variable)

490:289. Seminar in Theatre -- 3 hrs.

(THEATRE 6289)

Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Offered Fall)

490:299. Research.

(THEATRE 6299)

(Variable)

2010-2012 UNI Catalog
51c (Communicative Disorders) (CSD)

51C:006. Understanding Communication Disorders -- 3 hrs.

(CSD 1000)

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). (Offered Fall)

51C:106. Language Acquisition in Children: Birth to 5 Years -- 3 hrs.

(CSD 2100)

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): [51C:107](#) (CSD 2101). (Offered Spring)

51C:107. Language Analysis Lab -- 1 hr.

(CSD 2101)

Experience in applications of language sample analysis procedures for children at different levels of development. Corequisite(s): [51C:106](#) (CSD 2100). (Offered Spring)

51C:111. Phonetics in Communicative Disorders -- 3 hrs.

(CSD 2120)

Proficiency in use of International Phonetic Alphabet with emphasis on physiological and linguistic aspects of speech sound production. (Offered Spring)

51C:114. Anatomy and Physiology of Speaking Mechanism -- 3 hrs.

(CSD 2130)

Introduction to functional anatomy and physiology in the speech mechanism. (Offered Spring)

51C:125. Disorders of Speech Sounds -- 3 hrs.

(CSD 3220)

Study of disordered phonological/articulatory systems; exploration of assessment and intervention principles and practices. Prerequisite(s): [51C:111](#) (CSD 2120) or consent of instructor. (Offered Fall)

51C:127(g). Language of School-aged Children -- 3 hrs.

(CSD 3200/CSD 5200)

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): [51C:106](#) (CSD 2100); junior standing. (Offered Fall)

51C:129. Clinical Examination -- 2 hrs.

(CSD 3550)

Theoretical and practical aspects of the evaluation process. Prerequisite(s): [51C:111](#) (CSD 2120); Communicative Disorders majors only; junior standing. (Offered Spring)

51C:151. Clinical Processes I, Analysis and Observation -- 1 hr.

(CSD 2500)

Introduction to role of speech-language pathologists and audiologists as clinicians; emphasis on analysis and observation of remediation. Prerequisite(s): Communicative Disorders majors only; [51C:006](#) (CSD 1000); [51C:106](#) (CSD 2100); minimum 3.00 GPA; junior standing or consent of instructor. (Offered Fall)

51C:152. Clinical Processes II, Participation -- 1 hr.

(CSD 3500)

Introduction to role of speech-language pathologists and audiologists as clinicians; emphasis on participation as an

assistant in the UNI Roy Eblen Speech and Hearing Clinic. Prerequisite(s): Communicative Disorders majors only; [51C:006](#) (CSD 1000); [51C:106](#) (CSD 2100); [51C:151](#) (CSD 2500); minimum 3.00 GPA; junior standing or consent of instructor. (Offered Spring)

51C:155. Clinical Practice -- 1 hr.

(CSD 4500)

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; [51C:006](#) (CSD 1000); [51C:106](#) (CSD 2100); [51C:107](#) (CSD 2101), [51C:125](#) (CSD 3220); [51C:127](#) (CSD 3200/CSD 5200); [51C:151](#) (CSD 2500); [51C:152](#) (CSD 3500); minimum 3.00 GPA; senior standing or consent of instructor. (Offered Fall, Spring, and Summer)

51C:160(g). Augmentative Communication -- 2 hrs.

(CSD 4100/CSD 5100)

Study of theoretical and practical aspects of planning augmentative communication for the severely communicatively disabled. Prerequisite(s): junior standing. (Offered Fall)

51C:162(g). Speech Science -- 3 hrs.

(CSD 3250/CSD 5250)

Study of sound analysis techniques used in the diagnosis of and research into disorders of communication. Includes laboratory experience. Prerequisite(s): [51C:175](#) (CSD 3260/CSD 5260); junior standing. (Offered Spring)

51C:164(g). Neuroscience and the Study of Communicative Disorders -- 3 hrs.

(CSD 3130/CSD 5130)

Study of neuroanatomical and neurophysiological bases of speech production. Prerequisite(s): [51C:114](#) (CSD 2130); junior standing. (Offered Fall)

51C:166(g). Introduction to Fluency -- 3 hrs.

(CSD 3750/CSD 5750)

Study of etiology, diagnosis, and management of fluency disorders. Prerequisite(s): [51C:106](#) (CSD 2100); junior standing. (Offered Spring)

51C:168(g). Communication Problems of Special Populations -- 2 hrs.

(CSD 3700/CSD 5700)

Study of communication patterns, assessment accommodations, and intervention practices for selected low-incidence preschool and school-age clinical categories. Prerequisite(s): junior standing. (Offered Spring)

51C:170. Introduction to American Sign Language (ASL) -- 3 hrs.

(CSD 2800)

Introduction to principles and use of American Sign Language. Prerequisite(s): junior standing. (Offered Fall, Spring, and Summer)

51C:173. Advanced American Sign Language (ASL) -- 3 hrs.

(CSD 3800)

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): [51C:170](#) (CSD 2800) (grade of C or better); junior standing. (Variable)

51C:175(g). Hearing Science -- 3 hrs.

(CSD 3260/CSD 5260)

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. (Offered Fall)

51C:177(g). Introduction to Audiology -- 3 hrs.

(CSD 3270/CSD 5270)

Basic hearing science, types of hearing loss, and audiometric measurement. Prerequisite(s): 51C:175 (CSD 3260/CSD 5260); junior standing. (Offered Spring)

51C:180(g). Aural Rehabilitation -- 3 hrs.

(CSD 3900/CSD 5900)

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): 51C:175 (CSD 3260/CSD 5260); 51C:177 (CSD 3270/CSD 5270); junior standing. (Offered Fall)

51C:190(g). Current Problems in Speech-Language Pathology and Audiology -- 1-2 hrs.

(CSD 4200/CSD 5200)

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)

51C:197(g). Honors in Communicative Disorders -- 2-3 hrs.

(CSD 4000/CSD 5000)

Development and implementation of an approved research project in an area of communicative disorders. Prerequisite(s): junior standing; consent of instructor. (Variable)

51C:200. Research Methods in Speech-Language Pathology and Audiology -- 2 hrs.

(CSD 6000)

Introduction to methodology, various designs, and report preparation for research. Prerequisite(s): approved statistics course. (Offered Fall and Spring)

51C:257. Internship in Clinical Settings -- 4-16 hrs.

(CSD 6580)

Advanced clinical experience in settings such as hospitals, rehabilitation centers, schools. Minimum 8-week, full-time internship when taken in addition to 280:250 (TEACHING 6250); minimum 16-week, full-time without 280:250 (TEACHING 6250). Prerequisite(s): consent of instructor. (Offered Fall, Spring, and Summer)

51C:282. Professional Issues -- 1 hr.

(CSD 6100)

Study of current professional issues in speech-language pathology. Prerequisite(s): graduate major in speech-language pathology. (Offered Spring)

51C:285. Individual Readings -- 1-2 hrs.

(CSD 6285)

Project must be approved before beginning of semester in which work is to be done. May be repeated. Prerequisite(s): consent of instructor. (Variable)

51C:299. Research -- 1-6 hrs.

(CSD 6299)

Prerequisite(s): consent of instructor and department head. (Variable)

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51s (Speech Language Pathology) (CSD)

51S:220. Cleft Palate -- 2 hrs.

(CSD 6200)

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): 51C:125 (CSD 3220) or consent of instructor. (Variable)

51S:222. Language Training Strategies -- 3 hrs.

(CSD 6300)

Review of current literature materials for language-disordered children. Requires active participation for demonstrations and presentations of articles and materials. Prerequisite(s): 51C:106 (CSD 2100); 51C:127 (CSD 3200/CSD 5200); or consent of instructor. (Offered Fall)

51S:226. Disorders of Voice -- 3 hrs.

(CSD 6400)

In-depth study of the etiology, diagnosis, and management of voice disorders. Prerequisite(s): 51C:114 (CSD 2130); 51C:164 (CSD 3130/CSD 5130); or consent of instructor. (Offered Fall)

51S:228. Aphasia and Related Disorders -- 3 hrs.

(CSD 6650)

Diagnosis and remediation of aphasia in adults. Prerequisite(s): 51C:164 (CSD 3130/CSD 5130) or consent of instructor. (Offered Spring)

51S:229. Dysphagia -- 2 hrs.

(CSD 6600)

Diagnosis and remediation of dysphagia in children and adults. Prerequisite(s): 51C:164 (CSD 3130/CSD 5130). (Offered Spring)

51S:230. Motor Speech Disorders -- 2 hrs.

(CSD 6450)

Neurophysiological bases, differential diagnosis, and clinical management of motor speech disorders in children and adults. Prerequisite(s): 51C:127 (CSD 3200/CSD 5200) or consent of instructor. (Offered Fall)

51S:232. Clinical Phonology -- 2 hrs.

(CSD 6700)

Review of current literature on phonological disorders. Includes issues and procedures in the assessment and management of such disorders. Prerequisite(s): 51C:125 (CSD 3220) or consent of instructor. (Offered Spring)

51S:250. Clinical Assessment -- 1 hr.

(CSD 6550)

Process of assessing individuals with communicative disorders, including strategies for interviewing and examining clients; preparation of clinical reports; clinical routine and practical application. Must be repeated for total of 3 hours for students planning to major in Speech-Language Pathology at the graduate level. Corequisite(s): 51S:255 (CSD 6500) or consent of instructor. (Offered Fall and Spring)

51S:255. Advanced Clinical Practice -- 1-4 hrs.

(CSD 6500)

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): 51C:155 (CSD 4500) or consent of instructor; individuals must be accepted graduate students in the Speech-Language Pathology major. (Offered Fall, Spring, and Summer)

51S:289. Seminar in Speech-Language Pathology -- 2 hrs.

(CSD 6289)

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. (Offered Fall, Spring, and Summer)

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520 Music (MUSIC)

520:010. Soundscapes: Music in Culture -- 3 hrs.

(MUSIC 1100)

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. (Offered Fall, Spring, and Summer)

520:102(g). Music in Childhood Education -- 2 hrs.

(MUSIC 3020/MUSIC 5020)

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)

520:299. Research.

(MUSIC 6299)

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530 Music, Organizations and Ensembles (MUS ENS)

Organization and Ensemble Credit: 1 semester hour of credit may be earned by a student who completes a semester in an approved ensemble. Ensembles may be repeated for credit. Maximum of 2 credits for organization and ensemble participation may be earned in any one semester. For students who have been awarded two or three music scholarships or are majoring in more than one instrument/voice, a maximum of 3 credits for organization and ensemble participation may be earned in any one semester (with approval from the Director of the School of Music). Maximum of 2 credits in Jazz Band I (except for B.A. Music, Jazz Specialization majors, who will fulfill the large ensemble requirement by taking 8 hours of large jazz ensembles - section 02, 03, or 04) or Chamber Singers may be counted by music majors toward departmental ensemble requirement (or electives for B.A. students). All music ensembles are open to any university student by audition.

Ensemble numbers are assigned as follows, based on the student's classification:

530:010. Chorus.

(MUS ENS 1100)

(Concert Chorale, Chamber Singers, UNI Singers, Varsity Men's Glee Club, Women's Chorus, Chamber Choir)
 (Offered Fall and Spring)

530:012. Ensemble.

(MUS ENS 1120)

(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)

530:015. Band.

(MUS ENS 1150)

Concert Band (Offered Fall); Symphonic Band (Offered Spring); Pep Band (Offered Fall and Spring); Wind Symphony (Offered Fall and Spring)

530:016. Jazz Band.

(MUS ENS 1160)

(Offered Fall and Spring)

530:017. Orchestra.

(MUS ENS 1170)

(Offered Fall and Spring)

530:018. Marching Band.

(MUS ENS 1180)

(Offered Fall)

530:019. Opera.

(MUS ENS 1190)

Vocal performance ensemble specializing in opera literature. (Offered Fall and Spring)

530:110(g). Chorus.

(MUS ENS 3100/MUS ENS 5100)

(Concert Chorale, UNI Singers, Varsity Men's Glee Club, Women's Chorus, Chamber Choir) Prerequisite(s): junior standing. (Offered Fall and Spring)

530:112(g). Ensemble.

(MUS ENS 3120/MUS ENS 5120)

(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. (Offered Fall and Spring)

530:115(g). Band.

(MUS ENS 3150/MUS ENS 5150)

Concert Band (Offered Fall); Symphonic Band (Offered Spring); Pep Band (Offered Fall and Spring); Wind
Symphony (Offered Fall and Spring) Prerequisite(s): junior standing.

530:116(g). Jazz Band.

(MUS ENS 3160/MUS ENS 5160)

Prerequisite(s): junior standing. (Offered Fall and Spring)

530:117(g). Orchestra.

(MUS ENS 3170/MUS ENS 5170)

Prerequisite(s): junior standing. (Offered Fall and Spring)

530:118(g). Marching Band.

(MUS ENS 3180/MUS ENS 5180)

Prerequisite(s): junior standing. (Offered Fall)

530:119(g). Opera -- 1 hr.

(MUS ENS 3190/MUS ENS 5190)

Vocal performance ensemble specializing in opera literature. Prerequisite(s): junior standing; consent of instructor.
(Offered Fall and Spring)

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540 Music, Applied (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 (540:Nxx/1xx5, 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.

540:029. Bassoon.
 (MUS APPL 1290)
 (Offered Fall and Spring)

540:030. Flute.
 (MUS APPL 1300)

(Offered Fall and Spring)

540:031. Oboe.

(MUS APPL 1310)

(Offered Fall and Spring)

540:032. Clarinet.

(MUS APPL 1320)

(Offered Fall and Spring)

540:034. Saxophone.

(MUS APPL 1340)

(Offered Fall and Spring)

540:035. French Horn.

(MUS APPL 1350)

(Offered Fall and Spring)

540:036. Cornet-Trumpet.

(MUS APPL 1360)

(Offered Fall and Spring)

540:037. Trombone.

(MUS APPL 1370)

(Offered Fall and Spring)

540:038. Euphonium.

(MUS APPL 1380)

(Offered Fall and Spring)

540:039. Tuba.

(MUS APPL 1390)

(Offered Fall and Spring)

540:040. Percussion.

(MUS APPL 1400)

(Offered Fall and Spring)

540:041. Violin.

(MUS APPL 1410)

(Offered Fall and Spring)

540:042. Viola.

(MUS APPL 1420)

(Offered Fall and Spring)

540:043. Cello.

(MUS APPL 1430)

(Offered Fall and Spring)

540:044. String Bass.

(MUS APPL 1440)

(Offered Fall and Spring)

540:045. Harp.

(MUS APPL 1450)

(Offered Fall and Spring)

540:046. Piano.

(MUS APPL 1460)

(Offered Fall and Spring)

540:047. Group Piano.

(MUS APPL 1470)

(Offered Fall and Spring)

540:048. Organ.

(MUS APPL 1480)

(Offered Fall and Spring)

540:049. Voice.

(MUS APPL 1490)

(Offered Fall and Spring)

540:050. Harpsichord.

(MUS APPL 1500)

(Offered Fall and Spring)

540:051. Group Voice.

(MUS APPL 1510)

(Variable)

540:052. Guitar.

(MUS APPL 1520)

(Offered Fall and Spring)

540:053. Jazz Guitar.

(MUS APPL 1530)

(Offered Fall and Spring)

540:054. Composition.

(MUS APPL 1540)

(Offered Fall and Spring)

540:055. Jazz Improvisation.

(MUS APPL 1550)

(Offered Fall and Spring)

540:056. Jazz Bass.

(MUS APPL 1560)

(Offered Fall and Spring)

540:057. Jazz Piano.

(MUS APPL 1570)

(Offered Fall and Spring)

540:058. Jazz Saxophone.

(MUS APPL 1580)

(Offered Fall and Spring)

540:060. Applied Piano Beyond Proficiency -- 1 hr.

(MUS APPL 2600)

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 540:047:09 or 10. (Offered Fall and Spring)

540:129(g). Bassoon.

(MUS APPL 3290/MUS APPL 5290)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:130(g). Flute.

(MUS APPL 3300/MUS APPL 5300)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:131(g). Oboe.

(MUS APPL 3310/MUS APPL 5310)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:132(g). Clarinet.

(MUS APPL 3320/MUS APPL 5320)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:134(g). Saxophone.

(MUS APPL 3340/MUS APPL 5340)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:135(g). French Horn.

(MUS APPL 3350/MUS APPL 5350)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:136(g). Cornet-Trumpet.

(MUS APPL 3360/MUS APPL 5360)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:137(g). Trombone.

(MUS APPL 3370/MUS APPL 5370)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:138(g). Euphonium.

(MUS APPL 3380/MUS APPL 5380)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:139(g). Tuba.

(MUS APPL 3390/MUS APPL 5390)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:140(g). Percussion.

(MUS APPL 3400/MUS APPL 5400)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:141(g). Violin.

(MUS APPL 3410/MUS APPL 5410)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:142(g). Viola.

(MUS APPL 3420/MUS APPL 5420)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:143(g). Cello.

(MUS APPL 3430/MUS APPL 5430)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:144(g). String Bass.

(MUS APPL 3440/MUS APPL 5440)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:145(g). Harp.

(MUS APPL 3450/MUS APPL 5450)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:146(g). Piano.

(MUS APPL 3460/MUS APPL 5460)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:147(g). Group Piano.

(MUS APPL 3470/MUS APPL 5470)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:148(g). Organ.

(MUS APPL 3480/MUS APPL 5480)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:149(g). Voice.

(MUS APPL 3490/MUS APPL 5490)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:150(g). Harpsichord.

(MUS APPL 3500/MUS APPL 5500)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:151(g). Group Voice.

(MUS APPL 3510/MUS APPL 5510)

Prerequisite(s): junior standing. (Variable)

540:152(g). Guitar.

(MUS APPL 3520/MUS APPL 5520)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:153(g). Jazz Guitar.

(MUS APPL 3530/MUS APPL 5530)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:154(g). Composition.

(MUS APPL 3540/MUS APPL 5540)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:155(g). Jazz Improvisation.

(MUS APPL 3550/MUS APPL 5550)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:156(g). Jazz Bass.

(MUS APPL 3560/MUS APPL 5560)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:157(g). Jazz Piano.

(MUS APPL 3570/MUS APPL 5570)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:158(g). Jazz Saxophone.

(MUS APPL 3580/MUS APPL 5580)

Prerequisite(s): junior standing. (Offered Fall and Spring)

540:178. Junior Recital.

(MUS APPL 3780)

no credit.

Required of all juniors in the Performance major. (Offered Fall and Spring)

540:189. Senior Recital.

(MUS APPL 4890)

no credit.

Required of all seniors. Prerequisite: 3 hours at 100/3000/4000-level in major applied area. (Offered Fall and Spring)

540:221. Instrumental Conducting -- 2-4 hrs.

(MUS APPL 6210)

Prerequisite(s): admission to Master of Music in Conducting. (Variable)

540:222. Choral Conducting -- 2-4 hrs.

(MUS APPL 6220)

Prerequisite(s): admission to Master of Music in Conducting. (Variable)

540:229. Bassoon.

(MUS APPL 6290)

(Offered Fall and Spring)

540:230. Flute.

(MUS APPL 6300)

(Offered Fall and Spring)

540:231. Oboe.
(MUS APPL 6310)
(Offered Fall and Spring)

540:232. Clarinet.
(MUS APPL 6320)
(Offered Fall and Spring)

540:234. Saxophone.
(MUS APPL 6340)
(Offered Fall and Spring)

540:235. French Horn.
(MUS APPL 6350)
(Offered Fall and Spring)

540:236. Cornet-Trumpet.
(MUS APPL 6360)
(Offered Fall and Spring)

540:237. Trombone.
(MUS APPL 6370)
(Offered Fall and Spring)

540:238. Euphonium.
(MUS APPL 6380)
(Offered Fall and Spring)

540:239. Tuba.
(MUS APPL 6390)
(Offered Fall and Spring)

540:240. Percussion.
(MUS APPL 6400)
(Offered Fall and Spring)

540:241. Violin.
(MUS APPL 6410)
(Offered Fall and Spring)

540:242. Viola.
(MUS APPL 6420)
(Offered Fall and Spring)

540:243. Cello.
(MUS APPL 6430)
(Offered Fall and Spring)

540:244. String Bass.
(MUS APPL 6440)
(Offered Fall and Spring)

540:245. Harp.
(MUS APPL 6450)
(Offered Fall and Spring)

540:246. Piano.
(MUS APPL 6460)
(Offered Fall and Spring)

540:247. Group Piano.
(MUS APPL 6470)
(Offered Fall and Spring)

540:248. Organ.
(MUS APPL 6480)
(Offered Fall and Spring)

540:249. Voice.
(MUS APPL 6490)
(Offered Fall and Spring)

540:250. Harpsichord.
(MUS APPL 6500)
(Offered Fall and Spring)

540:251. Group Voice.
(MUS APPL 6510)
(Offered Fall and Spring)

540:252. Guitar.
(MUS APPL 6520)
(Offered Fall and Spring)

540:253. Jazz Guitar.
(MUS APPL 6530)
(Offered Fall and Spring)

540:254. Composition.
(MUS APPL 6540)
(Offered Fall and Spring)

540:255. Jazz Improvisation.
(MUS APPL 6550)
(Offered Fall and Spring)

540:256. Jazz Bass.
(MUS APPL 6560)
(Offered Fall and Spring)

540:257. Jazz Piano.
(MUS APPL 6570)
(Offered Fall and Spring)

540:258. Jazz Saxophone.

(MUS APPL 6580)

(Offered Fall and Spring)

540:288. Graduate Recital.

(MUS APPL 6880)

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. (Offered Fall and Spring)

540:Nxx. Applied Music for the Non-Music Major.

(MUS APPL 1xx5)

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. (Offered Fall and Spring)

540:P46. Piano Proficiency.

(MUS APPL 1467)

no credit.

Required of all undergraduate majors. (Offered Fall and Spring)

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560 Music Techniques (MUS TECH)

560:010. Double Reed Making Techniques -- 1 hr.

(MUS TECH 1100)

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.) (Offered Fall and Spring)

560:017. Conducting I--Instrumental -- 2 hrs.

(MUS TECH 1170)

Prerequisite(s): [580:014](#) (MUS THEO 2140); [580:018](#) (MUS THEO 2180); [580:028](#) (MUS THEO 2280). (Offered Fall)

560:018. Conducting I--Choral -- 2 hrs.

(MUS TECH 1180)

Prerequisite(s): [580:014](#) (MUS THEO 2140); [580:018](#) (MUS THEO 2180); [580:028](#) (MUS THEO 2280). (Offered Fall)

560:021. Conducting II--Instrumental -- 3 hrs.

(MUS TECH 1210)

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): [560:017](#) (MUS TECH 1170) (minimum grade of C). (Offered Spring)

560:022. Conducting II--Choral -- 3 hrs.

(MUS TECH 1220)

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 [560:021](#) (MUS TECH 1210).

Prerequisite(s): [560:018](#) (MUS TECH 1180) (minimum grade of C). (Offered Spring)

560:030. Diction for Singers I -- 1 hr.

(MUS TECH 1300)

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): [560:032](#) (MUS TECH 1320). (Offered Fall)

560:031. Diction for Singers II -- 1 hr.

(MUS TECH 1310)

Study and performance application of German and French lyric diction sounds for use by singers,

coach-accompanists, and choral instructors. Prerequisite(s): [560:030](#) (MUS TECH 1300). Corequisite(s): (required for B.M. Vocal Performance track): [560:033](#) (MUS TECH 1330). (Offered Spring)

560:032. Diction for Singers I Performance Lab -- 1 hr.

(MUS TECH 1320)

Performance-oriented lab expanding on skills explored in Diction for Singers I ([560:030](#) (MUS TECH 1300)).

Required of vocal students in the B.M. Vocal Performance track. Corequisite(s): [560:030](#) (MUS TECH 1300). (Offered Fall)

560:033. Diction for Singers II Performance Lab -- 1 hr.

(MUS TECH 1330)

Performance-oriented lab expanding on skills explored in Diction for Singers II ([560:031](#) (MUS TECH 1310)).

Required of vocal students in the B.M. Vocal Performance track. Corequisite(s): [560:031](#) (MUS TECH 1310). (Offered Spring)

560:045. Vocal Coaching -- 1 hr.

(MUS TECH 1450)

Exploration of style, interpretation and lyric diction in the singer's repertoire. May be repeated for credit.

Prerequisite(s): sophomore standing; consent of instructor. (Offered Fall and Spring)

560:052. Instrumental Jazz Improvisation -- 1 hr.

(MUS TECH 1520)

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)

560:060. Opera Performance I -- 1 hr.

(MUS TECH 1600)

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)

560:110(g). Double Reed Making Techniques -- 1 hr.

(MUS TECH 3100/MUS TECH 5100)

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. (Offered Fall and Spring)

560:111. Performing Arts and Entertainment Law -- 3 hrs.

(MUS TECH 3110)

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)

560:112. Performing Arts Management -- 3 hrs.

(MUS TECH 3120)

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)

560:113. Senior Project, Performing Arts Management -- 0 hrs.

(MUS TECH 4130)

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)

560:121(g). Conducting III--Instrumental -- 2 hrs.

(MUS TECH 3210/MUS TECH 5210)

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): 560:021 (MUS TECH 1210); junior standing. (Variable)

560:122(g). Conducting III--Choral -- 2 hrs.

(MUS TECH 3220/MUS TECH 5220)

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): 560:022 (MUS TECH 1220); junior standing. (Variable)

560:135(g). Accompanying -- 1 hr.

(MUS TECH 3350/MUS TECH 5350)

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): 540:146 (MUS APPL 3460/MUS APPL 5460) or consent of instructor. (Offered Fall and Spring)

560:145(g). Vocal Coaching -- 1 hr.

(MUS TECH 3450/MUS TECH 5450)

Exploration of style, interpretation and lyric diction in the singer's repertoire. May be repeated for credit. Prerequisite(s): junior standing; consent of instructor. (Offered Fall and Spring)

560:152(g). Instrumental Jazz Improvisation -- 1 hr.

(MUS TECH 3520/MUS TECH 5520)

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 juniors/seniors/graduates.) Prerequisite(s): junior standing; consent of instructor. (Variable)

560:161(g). Opera Performance II -- 2 hrs.

(MUS TECH 3610/MUS TECH 5610)

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): 560:060 (MUS TECH 1600) or consent of instructor; junior standing. (Variable)

560:223. Advanced Vocal Performance -- 1 hr.

(MUS TECH 6230)

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. (Offered Fall and Spring)

560:250. Projects in Music Techniques -- 1-3 hrs.

(MUS TECH 6500)

(Variable)

560:252. Advanced Instrumental Jazz Improvisation -- 2 hrs.

(MUS TECH 6520)

Advanced concepts of jazz improvisation, including the study of contemporary jazz compositions, complex harmony, chromatic linear resources, and intervallic techniques. Prerequisite(s): 560:152 (MUS TECH 3520/MUS TECH 5520); graduate standing or consent of instructor. (Variable)

560:299. Research.

(MUS TECH 6299)

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570 Music Education and Methods (MUS ED)

570:010. Instrumental Techniques -- 1 hr.

(MUS ED 1100)

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)

570:050. Introduction to Music Education -- 2 hrs.

(MUS ED 1500)

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. (Offered Fall and Spring)

570:075. Guitar in the Classroom -- 2 hrs.

(MUS ED 1750)

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)

570:101. Performing Arts Management Internship -- 1 hr.

(MUS ED 3010)

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)

570:102. Music Technology Internship -- 1 hr.

(MUS ED 3020)

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)

570:103. Internship in String Pedagogy -- 1 hr.

(MUS ED 3030)

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)

570:130(g). Vocal Pedagogy -- 2 hrs.

(MUS ED 3300/MUS ED 5300)

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. (Offered Spring)

570:138(g). Instrumental Pedagogy -- 2 hrs.

(MUS ED 3380/MUS ED 5380)

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): 570:010 (MUS ED 1100) or teaching experience; junior standing. (Variable)

570:141. Elementary/General Music Methods -- 3 hrs.

(MUS ED 3410)

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): 570:050 (MUS ED 1500); junior standing or consent of instructor. (Variable)

570:145(g). Developments and Trends in Music Education -- 3 hrs.

(MUS ED 3450/MUS ED 5450)

Evolving issues important to music educators. May be repeated for credit. Prerequisite(s): 570:050 (MUS ED 1500); junior standing. (Variable)

570:148(g). Piano Pedagogy: Elementary -- 2 hrs.

(MUS ED 3480/MUS ED 5480)

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)

570:149(g). Piano Pedagogy: Current Technological Trends -- 1 hr.

(MUS ED 3490/MUS ED 5490)

Exploration of current trends in technology related to the field of piano and keyboard instruction for children and adults. Exploration of topics appropriate for the independent piano studio. Prerequisite(s): junior standing. (Variable)

570:161. Instrumental Methods I: Strings -- 1 hr.

(MUS ED 3610)

String methods and pedagogy for lessons and ensembles in a K-12 setting. Prerequisite(s): 570:010 (MUS ED 1100) section 06 or 07; 570:050 (MUS ED 1500); junior standing. (Offered Fall)

570:162. Instrumental Methods II: Marching Band -- 1 hr.

(MUS ED 3620)

Fundamentals training, music selection and arranging, administrative approaches, and drill charting for school marching bands. Prerequisite(s): 570:050 (MUS ED 1500); junior standing. (Offered Fall)

570:163. Instrumental Methods III: School Administration -- 1 hr.

(MUS ED 3630)

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): 570:050 (MUS ED 1500); junior standing. (Offered Spring)

570:164. Instrumental Methods IV: Jazz Band -- 1 hr.

(MUS ED 3640)

Jazz band methods and pedagogy for lessons and ensembles in the K-12 setting. Emphasis on rehearsal techniques and materials. Prerequisite(s): 570:050 (MUS ED 1500); junior standing. (Offered Spring)

570:165. Choral Methods and Materials -- 3 hrs.

(MUS ED 3650)

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): 560:018 (MUS TECH 1180); 570:141 (MUS ED 3410); or consent of instructor. (Variable)

570:175(g). Pedagogical Approaches to Music Education -- 3 hrs.

(MUS ED 3750/MUS ED 5750)

Introduction to the approach, techniques, methods, and philosophy of Orff, Kodaly, and Dalcroze teaching pedagogies. Prerequisite(s): 570:141 (MUS ED 3410) or graduate status. (Variable)

570:197(g). Instrumental Upkeep and Repair -- 2 hrs.

(MUS ED 3970/MUS ED 5970)

Areas: woodwinds, strings, brass, and percussion. Laboratory course with practical projects undertaken. Offered for instrumental majors. Prerequisite(s): junior standing. (Variable)

570:221. Research Methodology in Music Education -- 3 hrs.

(MUS ED 6210)

Introduction to various research methodologies used in music education. Required of graduate Music Education majors. (Variable)

570:230. Foundations of Music Education -- 3 hrs.

(MUS ED 6300)

Examination of the foundations and underlying principles of music education. (Variable)

570:250. Projects in Music Education -- 1-3 hrs.

(MUS ED 6500)

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)

570:252. Jazz Pedagogy -- 2 hrs.

(MUS ED 6520)

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)

570:255. School Music Administration and Classroom Management -- 3 hrs.

(MUS ED 6550)

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)

570:257. Piano Pedagogy: Intermediate -- 2 hrs.

(MUS ED 6570)

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)

570:258. Piano Pedagogy: Group and Adult -- 2 hrs.

(MUS ED 6580)

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)

570:260. Piano Pedagogy: Internship -- 1 hr.

(MUS ED 6600)

Piano teaching assignments, determined in consultation with supervisor. All students required to intern one semester with the group piano program where they observe and teach segments of the class. Other possible internships include college secondary applied piano and demonstration laboratory. Teaching assignments include conferences with the supervisor. Evaluation through visual recording, self-assignment and supervisor's critique. Students in M.M. Piano Performance and Pedagogy program must enroll for a total of three separate 1-hour internships. Corequisite(s): [570:148](#) (MUS ED 3480/MUS ED 5480), [570:149](#) (MUS ED 3490/MUS ED 5490), [570:257](#) (MUS ED 6570), or [570:258](#) (MUS ED 6580). (Variable)

570:282. Seminar: Music Learning and Behavior -- 3 hrs.

(MUS ED 6820)

Exploration of behavioral, cognitive, and developmental theories affecting music teaching and learning. Required of graduate Music Education majors. (Variable)

570:285. Readings -- 1-3 hrs.

(MUS ED 6285)

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)

570:287. Measurement and Evaluation in Music -- 3 hrs.

(MUS ED 6870)

Study of the measurement and evaluation techniques for music aptitude and achievement. Emphasis on developing teacher-made tests and available standardized music tests. (Variable)

570:299. Research.

(MUS ED 6299)

(Variable)

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580 Music Theory (MUS THEO)

580:010. Introduction to Music Theory -- 2 hrs.

(MUS THEO 1100)

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)

580:011. Theory I -- 2 hrs.

(MUS THEO 1110)

Fundamentals of basic musicianship; scales, intervals, and chord forms; and analysis and writing involving diatonic harmony. Creative use of materials. Corequisite(s): 580:015 (MUS THEO 1150); 580:025 (MUS THEO 1250). (Offered Fall)

580:012. Theory II -- 2 hrs.

(MUS THEO 1120)

Continuation of 580:011 (MUS THEO 1110). Prerequisite(s): 580:011 (MUS THEO 1110) with grade of C or higher, or placement by exam. Corequisite(s): 580:016 (MUS THEO 1160); 580:026 (MUS THEO 1260). (Offered Spring)

580:013. Theory III -- 2 hrs.

(MUS THEO 2130)

Materials of musicianship; emphasis on the so-called period of "common practice." Prerequisite(s): 580:012 (MUS THEO 1120) with grade of C or higher, or placement by exam. Corequisite(s): 580:017 (MUS THEO 2170); 580:027 (MUS THEO 2270). (Offered Fall)

580:014. Theory IV -- 2 hrs.

(MUS THEO 2140)

Continuation of 580:013 (MUS THEO 2130) with emphasis on Late Romantic and Contemporary eras. Prerequisite(s): 580:013 (MUS THEO 2130) with grade of C or higher, or placement by exam. Corequisite(s): 580:018 (MUS THEO 2180); 580:028 (MUS THEO 2280). (Offered Spring)

580:015. Aural Training I -- 1 hr.

(MUS THEO 1150)

Corequisite(s): 580:011 (MUS THEO 1110); 580:025 (MUS THEO 1250). (Offered Fall)

580:016. Aural Training II -- 1 hr.

(MUS THEO 1160)

Prerequisite(s): 580:015 (MUS THEO 1150) with grade of C or higher, or placement by exam. Corequisite(s): 580:012 (MUS THEO 1120); 580:026 (MUS THEO 1260). (Offered Spring)

580:017. Aural Training III -- 1 hr.

(MUS THEO 2170)

Prerequisite(s): 580:016 (MUS THEO 1160) with grade of C or higher, or placement by exam. Corequisite(s): 580:013 (MUS THEO 2130); 580:027 (MUS THEO 2270). (Offered Fall)

580:018. Aural Training IV -- 1 hr.

(MUS THEO 2180)

Prerequisite(s): 580:017 (MUS THEO 2170) with grade of C or higher, or placement by exam. Corequisite(s): 580:014 (MUS THEO 2140); 580:028 (MUS THEO 2280). (Offered Spring)

580:025. Sight-Singing I -- 1 hr.

(MUS THEO 1250)

Corequisite(s): 580:011 (MUS THEO 1110); 580:015 (MUS THEO 1150). (Offered Fall)

580:026. Sight-Singing II -- 1 hr.

(MUS THEO 1260)

Prerequisite(s): 580:025 (MUS THEO 1250) with grade of C or higher, or placement by exam. Corequisite(s): 580:012 (MUS THEO 1120); 580:016 (MUS THEO 1160). (Offered Spring)

580:027. Sight-Singing III -- 1 hr.

(MUS THEO 2270)

Prerequisite(s): 580:026 (MUS THEO 1260) with grade of C or higher, or placement by exam. Corequisite(s): 580:013 (MUS THEO 2130); 580:017 (MUS THEO 2170). (Offered Fall)

580:028. Sight-Singing IV -- 1 hr.

(MUS THEO 2280)

Prerequisite(s): 580:027 (MUS THEO 2270) with grade of C or higher, or placement by exam. Corequisite(s): 580:014 (MUS THEO 2140); 580:018 (MUS THEO 2180). (Offered Spring)

580:030. Composition Class -- 2 hrs.

(MUS THEO 1300)

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)

580:110. Analysis of Music -- 2 hrs.

(MUS THEO 3100)

Study of forms and procedures prevalent in the works of major composers from 16th century to present. Prerequisite(s): 580:013 (MUS THEO 2130). (Variable)

580:122. Music and Technology -- 2 hrs.

(MUS THEO 3220)

Overview of current applications in the music industry. Prerequisite(s): 580:012 (MUS THEO 1120); 580:016 (MUS THEO 1160); 580:026 (MUS THEO 1260) with a grade of C or higher; or consent of instructor. (Variable)

580:123. Music Technology, Advanced -- 3 hrs.

(MUS THEO 3230)

Further exploration of current applications in the music industry. Prerequisite(s): 580:122 (MUS THEO 3220) with a grade of C or higher; junior standing. (Variable)

580:125(g). Counterpoint Survey -- 3 hrs.

(MUS THEO 3250/MUS THEO 5250)

A survey of polyphonic practice, including species counterpoint as well as 16th to 20th century approaches. Prerequisite(s): 580:013 (MUS THEO 2130); junior standing. (Variable)

580:126(g). Orchestration -- 3 hrs.

(MUS THEO 3260/MUS THEO 5260)

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): 580:013 (MUS THEO 2130); junior standing. (Variable)

580:127(g). Jazz Arranging I -- 2 hrs.

(MUS THEO 3270/MUS THEO 5270)

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): 580:012 (MUS THEO 1120); junior standing. (Offered Fall)

580:128(g). Jazz Arranging II -- 2 hrs.

(MUS THEO 3280/MUS THEO 5280)

Continuation of 580:127 (MUS THEO 3270/MUS THEO 5270). Emphasis on writing for full big band, including augmented instrumentation, contrapuntal and formal problems, score study, and analysis. Prerequisite(s): 580:127 (MUS THEO 3270/MUS THEO 5270); junior standing. (Offered Even Springs)

580:132(g). Jazz Composition Class -- 1 hr.

(MUS THEO 3320/MUS THEO 5320)

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): 560:152 (MUS TECH 3520/MUS TECH 5520); 580:014 (MUS THEO 2140); junior standing. (Variable)

580:180(g). Theory Survey for Graduates -- 2 hrs.

(MUS THEO 3800/MUS THEO 5800)

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)

580:190. Senior Project, Music Technology -- 0 hrs.

(MUS THEO 4900)

Comprehensive project relevant to Music Technology, as approved by instructor. Prerequisite(s): major in B.A. Music, Music Technology Specialization; senior standing. (Variable)

580:210. Analytical Techniques I -- 3 hrs.

(MUS THEO 6100)

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): 580:180 (MUS THEO 3800/MUS THEO 5800) or passing score on Graduate Theory Diagnostic Examination. (Offered Spring and Even Summers)

580:211. Analytical Techniques II -- 3 hrs.

(MUS THEO 6110)

Continuation of 580:210 (MUS THEO 6100). 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): 580:180 (MUS THEO 3800/MUS THEO 5800) or passing score on Graduate Theory Diagnostic Examination. (Offered Fall and Odd Summers)

580:299. Research.

(MUS THEO 6299)

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590 Music History and Musicology (MUS HIST)

590:001. History of Music I: Antiquity Through Renaissance -- 2 hrs.

(MUS HIST 1010)

Survey of musical trends from Antiquity through Renaissance. Emphasis on music listening techniques. (Variable)

590:002. History of Music II: Baroque and Classical -- 3 hrs.

(MUS HIST 1020)

Continuation of 590:001 (MUS HIST 1010). Survey of musical trends from the Baroque and Classical periods (1600-ca. 1800). Prerequisite(s): 590:001 (MUS HIST 1010). (Variable)

590:003. History of Music III: Romantic, Twentieth, and Twenty-First Centuries -- 3 hrs.

(MUS HIST 1030)

Continuation of 590:002 (MUS HIST 1020). Survey of musical trends from the romantic era to the present (1800-present). Prerequisite(s): 590:001 (MUS HIST 1010); 590:002 (MUS HIST 1020). (Variable)

590:110(g). Music History--Middle Ages and Renaissance -- 3 hrs.

(MUS HIST 3100/MUS HIST 5100)

Prerequisite(s): 590:003 (MUS HIST 1030); junior standing. (Variable)

590:111(g). Music History--Baroque -- 3 hrs.

(MUS HIST 3110/MUS HIST 5110)

Prerequisite(s): 590:003 (MUS HIST 1030); junior standing. (Variable)

590:112(g). Music History--Classic -- 3 hrs.

(MUS HIST 3120/MUS HIST 5120)

Prerequisite(s): 590:003 (MUS HIST 1030); junior standing. (Variable)

590:114(g). Music History--Romantic -- 3 hrs.

(MUS HIST 3140/MUS HIST 5140)

Prerequisite(s): 590:003 (MUS HIST 1030); junior standing. (Variable)

590:115(g). Music History--20th Century -- 3 hrs.

(MUS HIST 3150/MUS HIST 5150)

Prerequisite(s): 590:003 (MUS HIST 1030); junior standing. (Variable)

590:130(g). History of Opera -- 3 hrs.

(MUS HIST 3300/MUS HIST 5300)

Development of opera from its inception (ca. 1600) to present. Prerequisite(s): junior standing. (*Formerly 595:130g*) (Variable)

590:151(g). Music of World Cultures -- 3 hrs.

(MUS HIST 3510/MUS HIST 5510)

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)

590:160(g). Jazz History and Styles -- 3 hrs.

(MUS HIST 3600/MUS HIST 5600)

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. (Offered Even Falls)

590:180(g). Music History Survey for Graduates -- 1-2 hrs.

(MUS HIST 3800/MUS HIST 5800)

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)

590:222. Research and Writing in Music -- 3 hrs.

(MUS HIST 6220)

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. (Offered Fall and Odd Summers)

590:250. Projects in Music History and Literature -- 1-3 hrs.

(MUS HIST 6500)

(Variable)

590:285. Readings in Music History -- 1-3 hrs.

(MUS HIST 6285)

Prerequisite(s): consent of Graduate Coordinator in Music. (Variable)

590:289. Seminar in Music History -- 3 hrs.

(MUS HIST 6289)

Musicological research into the various areas of music. (Variable)

590:299. Research.

(MUS HIST 6299)

(Variable)

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595 Performance Literature and Repertory (MUS LIT)

595:120(g). Performance Literature: _____ -- 2 hrs.

(MUS LIT 3200/MUS LIT 5200)

Study of performance literature available for specific instrument or voice. Combination ensemble-literature course for the performer. Prerequisite: junior standing.

595:120(g)-01. Woodwinds. (Offered odd Springs)

595:120(g)-02. Brass. (Variable)

595:120(g)-03. Piano I. (Offered odd Falls)

595:120(g)-04. Piano II. (Offered even Springs)

595:120(g)-05. Organ. (Variable)

595:120(g)-06. Strings. (Variable)

595:120(g)-07. Percussion. (Variable)

595:120(g)-08. Voice I, Survey of Song Literature. Survey of vocal literature with emphasis on style, interpretation, and historical context. Prerequisite: junior standing. (Variable)

595:120(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)

595:120(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)

595:120(g)-12. Voice IV, Opera Literature. Survey of operatic literature with emphasis on style, interpretation, and historical context. Prerequisites: junior standing. (Variable)

595:131(g). History and Literature of Large Choral Forms -- 3 hrs.

(MUS LIT 3310/MUS LIT 5310)

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 580:110 (MUS THEO 3100). (Variable)

595:140(g). History and Literature of the Orchestra -- 3 hrs.

(MUS LIT 3400/MUS LIT 5400)

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 580:110 (MUS THEO 3100). (Variable)

595:142(g). History and Literature of the Wind Band -- 3 hrs.

(MUS LIT 3420/MUS LIT 5420)

Growth and development of wind music from Gabrieli to present. Prerequisite(s): junior standing. Undergraduates must have completed or be enrolled for 580:110 (MUS THEO 3100). (Variable)

595:299. Research.

(MUS LIT 6299)

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600 Art

600:002. Visual Inventions -- 3 hrs.

(ART 1002)

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)

600:004. Visual Perceptions -- 3 hrs.

(ARTHIST 1004)

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. (Offered Fall and Spring)

600:018. Drawing I -- 3 hrs.

(ART 1011)

Emphasis on growth in perception of visual form. Range of materials and subject matter. (Offered Fall and Spring)

600:019. Drawing II -- 3 hrs.

(ART 1022)

Continuation of 600:018 (ART 1011) with greater emphasis upon self-direction. Prerequisite(s): 600:018 (ART 1011). (Offered Fall and Spring)

600:025. Graphic Design I -- 3 hrs.

(ART 2030)

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. (Offered Fall and Spring)

600:026. Two-Dimensional Concepts -- 3 hrs.

(ART 1222)

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. (Offered Fall and Spring)

600:027. Three-Dimensional Concepts -- 3 hrs.

(ART 1333)

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. (Offered Fall and Spring)

600:032. Creative Photography I -- 3 hrs.

(ART 2070)

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. (Offered Fall and Spring)

600:033. Printmaking I: Etching -- 3 hrs.

(ART 2081)

Beginning experiences in fine art printmaking, concentrating on intaglio techniques. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Variable)

600:034. Printmaking I: Screenprint -- 3 hrs.

(ART 2082)

Introduction to screenprinting processes. Prerequisite(s): Art majors/minors must complete the Foundations

Sequence. (Variable)

600:035. Printmaking I: Relief Processes -- 3 hrs.

(ART 2083)

Beginning experiences in fine art printmaking, concentrating on relief processes including woodcut. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Variable)

600:036. Printmaking I: Lithography -- 3 hrs.

(ART 2084)

Introduction to fine art printmaking, concentrating on lithographic processes and applications. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Variable)

600:037. Sculpture I -- 3 hrs.

(ART 2090)

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. (Offered Fall and Spring)

600:040. Survey of Art History I -- 3 hrs.

(ARTHIST 1111)

Introduction to history of art; Ancient through Medieval. (Offered Fall and Spring)

600:041. Survey of Art History II -- 3 hrs.

(ARTHIST 1222)

Introduction to history of art; Renaissance through Modern. (Offered Fall and Spring)

600:050. Ceramics I -- 3 hrs.

(ART 2020)

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. (Offered Fall and Spring)

600:060. Performance Art I -- 3 hrs.

(ART 2060)

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. (Offered Fall and Spring)

600:074. Jewelry/Metals I -- 3 hrs.

(ART 2040)

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. (Offered Fall and Spring)

600:080. Painting I -- 3 hrs.

(ART 2050)

Experience in various painting media. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Offered Fall and Spring)

600:090. Art and the Child -- 3 hrs.

(ARTED 1500)

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)

600:091. Foundations in Art Education -- 2 hrs.

(ARTED 2500)

Introduction to the history and practice of teaching art; cognitive development of children as related to aesthetic production and understanding; curricular development and assessment. Requires 15 hours field experience.

Prerequisite(s): Foundations Sequence. Corequisite(s): Level I in the Professional Education Requirements, or consent of instructor. (Variable)

600:092. Methods in Elementary Art Education -- 3 hrs.

(ARTED 3500)

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): 600:091 (ARTED 2500). (Variable)

600:111. Life Drawing -- 3 hrs.

(ART 3011)

Drawing from model using variety of media. May be repeated for credit. Prerequisite(s): 600:019 (ART 1022). (Variable)

600:118. Drawing III -- 3 hrs.

(ART 3001)

Prerequisite(s): 600:019 (ART 1022) or 600:111 (ART 3011). (Variable)

600:119. Methods in Secondary Art Education -- 3 hrs.

(ARTED 3505)

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 15 hours field experience. Prerequisite(s): 600:091 (ARTED 2500); 600:092 (ARTED 3500). Corequisite(s): Level II of Professional Education Requirements, or consent of instructor. (Variable)

600:121. Issues and Theories in Art Education -- 2 hrs.

(ARTED 4500)

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): 600:119 (ARTED 3505). (Variable)

600:124. Jewelry/Metals II -- 3 hrs.

(ART 3040)

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): 600:074 (ART 2040). (Offered Fall and Spring)

600:125. Graphic Design II -- 3 hrs.

(ART 3030)

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): 600:025 (ART 2030). (Offered Fall and Spring)

600:126. Graphic Design: Identity System Design -- 3 hrs.

(ART 3031)

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): 600:125 (ART 3030). (Variable)

600:127. Graphic Design: Publication Design -- 3 hrs.

(ART 3034)

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): [600:125](#) (ART 3030). (Variable)

600:128. Graphic Design: Illustration -- 3 hrs.

(ART 3032)

Lectures, projects, and critiques in the development and use of pictorial imagery in relation to a text. May involve a range of media, including extensive computer use. Prerequisite(s): [600:125](#) (ART 3030). (Variable)

600:129. Graphic Design: Typography -- 3 hrs.

(ART 3033)

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): [600:125](#) (ART 3030). (Variable)

600:130. Creative Photography II -- 3 hrs.

(ART 3070)

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): [600:032](#) (ART 2070) or equivalent. (Offered Fall and Spring)

600:131. Creative Photography III -- 3 hrs.

(ART 3077)

Further exploration of professional fine art photography with an emphasis on photographic lighting. Additional emphasis on critical theory. Prerequisite(s): [600:130](#) (ART 3070). (Offered Fall and Spring)

600:132. Color Photography -- 3 hrs.

(ART 3078)

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): [600:130](#) (ART 3070). (Variable)

600:134. Printmaking II -- 3 hrs.

(ART 3080)

Intermediate work in fine art printmaking. Etching, screen printing, relief processes, lithography, and related processes. In-depth exploration of student-selected processes. Prerequisite(s): any two of the following: [600:033](#) (ART 2081), [600:034](#) (ART 2082), [600:035](#) (ART 2083), or [600:036](#) (ART 2084). (Offered Fall and Spring)

600:136. Printmaking II: Photo and Computer Processes -- 3 hrs.

(ART 3082)

Experimentation with use of photo techniques and computer technology in various processes of printmaking. No photo experience necessary. Prerequisite(s): any two of the following: [600:033](#) (ART 2081), [600:034](#) (ART 2082), [600:035](#) (ART 2083), or [600:036](#) (ART 2084). (Variable)

600:137. Sculpture II -- 3 hrs.

(ART 3090)

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): [600:037](#) (ART 2090). (Offered Fall and Spring)

600:138(g). Research Methods and Writing in Art History -- 3 hrs.

(ARTHIST 4000/ARTHIST 5000)

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)

600:139(g). Ancient Near Eastern Art -- 3 hrs.

(ARTHIST 4002/ARTHIST 5002)

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: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisites for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisites for non-art majors: junior standing. (Variable)

600:140(g). Ancient Egyptian Art -- 3 hrs.

(ARTHIST 4010/ARTHIST 5010)

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: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisites for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisites for non-art majors: junior standing. (Variable)

600:141(g). Art History Ancient Greek -- 3 hrs.

(ARTHIST 4020/ARTHIST 5020)

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: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:142(g). Italian Renaissance Art -- 3 hrs.

(ARTHIST 4300/ARTHIST 5300)

History of 14th, 15th, and 16th century Italian art. Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisites for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:143(g). Ancient Roman Art -- 3 hrs.

(ARTHIST 4030/ARTHIST 5030)

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: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:144(g). Baroque and Rococo -- 3 hrs.

(ARTHIST 4310/ARTHIST 5310)

History of Baroque and Rococo art in 17th and 18th century Europe. Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:145(g). Medieval Art -- 3 hrs.

(ARTHIST 4040/ARTHIST 5040)

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: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:146(g). 19th Century Western Art -- 3 hrs.

(ARTHIST 4320/ARTHIST 5320)

Napoleonic art to Art Nouveau. Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or

600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:147(g). Asian Art -- 3 hrs.

(ARTHIST 4600/ARTHIST 5600)

Introduction to the arts of India, Southeast Asia, China, and Japan. Prerequisite(s): for Art majors and minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors and minors: junior standing. (Variable)

600:148(g). Northern Renaissance Art -- 3 hrs.

(ARTHIST 4302/ARTHIST 5302)

Examination of Northern European art from the 14th-16th centuries. Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:149(g). Indian Art -- 3 hrs.

(ARTHIST 4602/ARTHIST 5602)

Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:150(g). Japanese Art -- 3 hrs.

(ARTHIST 4604/ARTHIST 5604)

Examination of art and culture of Japan from Neolithic through Tokugawa periods. Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:151(g). Early 20th Century Art -- 3 hrs.

(ARTHIST 4350/ARTHIST 5350)

Art from 1900 to mid-20th century. Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:152(g). Late 20th Century Art -- 3 hrs.

(ARTHIST 4362/ARTHIST 5362)

Art since mid-20th century. Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:153(g). History of Photography -- 3 hrs.

(ARTHIST 4322/ARTHIST 5322)

Survey of history and evolution of photography since its invention in 1839 to present day. Prerequisite(s): for Art majors and Art History minors: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisites for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisites for non-Art majors: junior standing. (Variable)

600:154(g). History of Design -- 3 hrs.

(ARTHIST 4340/ARTHIST 5340)

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: 600:040 (ARTHIST 1111); 600:041 (ARTHIST 1222); junior standing. Prerequisites for Art Studio minors: 600:040 (ARTHIST 1111) or 600:041 (ARTHIST 1222); junior standing. Prerequisites for non-Art majors: junior standing. (Variable)

600:155(g). Myth and Narrative in Art -- 3 hrs.

(ARTHIST 4900/ARTHIST 5900)

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: [600:040](#) (ARTHIST 1111); [600:041](#) (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: [600:040](#) (ARTHIST 1111) or [600:041](#) (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:156(g). Chinese Art -- 3 hrs.

(ARTHIST 4606/ARTHIST 5606)

Examination of art and culture of China from Neolithic Period through Qing Dynasty. Prerequisite(s): for Art majors and Art History minors: [600:040](#) (ARTHIST 1111); [600:041](#) (ARTHIST 1222); junior standing. Prerequisite(s) for Art Studio minors: [600:040](#) (ARTHIST 1111) or [600:041](#) (ARTHIST 1222); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

600:161. Ceramics II -- 3 hrs.

(ART 3020)

Continuation of [600:050](#) (ART 2020) with further development of student's understanding of firing techniques and formulation of clay and glazes. Prerequisite(s): [600:050](#) (ART 2020). (Offered Fall and Spring)

600:162. Painting II -- 3 hrs.

(ART 3050)

Continuation of [600:080](#) (ART 2050) with greater emphasis upon self-direction. Prerequisite(s): [600:080](#) (ART 2050). (Offered Fall and Spring)

600:163. Performance Art II -- 3 hrs.

(ART 3060)

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): [600:060](#) (ART 2060); junior standing. (Offered Fall and Spring)

600:170. Jewelry/Metals III -- 3 hrs.

(ART 3044)

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): [600:124](#) (ART 3040). (Offered Fall and Spring)

600:171(g). Ceramic Raw Materials and Glaze Calculations -- 3 hrs.

(ART 3023/ART 5023)

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): [600:161](#) (ART 3020); junior standing. (Variable)

600:172. Ceramics III -- 3 hrs.

(ART 3022)

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): [600:161](#) (ART 3020). (Offered Fall and Spring)

600:173(g). Performance Art III -- 3 hrs.

(ART 3066/ART 5066)

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): [600:163](#) (ART 3060); junior standing. (Offered Fall and Spring)

600:174. Printmaking III -- 3 hrs.

(ART 3088)

Advanced work in printmaking. Etching, screen printing, relief processes, lithography, and related processes. In-depth exploration of student-selected processes. Emphasis on the development of individual interest and direction. Prerequisite(s): [600:134](#) (ART 3080) or [600:136](#) (ART 3082). (Offered Fall and Spring)

600:175. Undergraduate Studio -- 1-6 hrs.

(ART 4000)

Advanced study in studio area: Ceramics, Drawing, Jewelry/Metals, 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. (Offered Fall and Spring)

600:177. Sculpture III -- 3 hrs.

(ART 3099)

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): [600:137](#) (ART 3090). (Offered Fall and Spring)

600:180. Painting III -- 3 hrs.

(ART 3055)

Prerequisite(s): [600:162](#) (ART 3050). (Offered Fall and Spring)

600:181. Graphic Design: Web and Interactive Design -- 3 hrs.

(ART 3036)

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): [600:125](#) (ART 3030). (Variable)

600:182. Graphic Design: Motion Graphics -- 3 hrs.

(ART 3035)

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): [600:125](#) (ART 3030). (Variable)

600:183. Graphic Design: Book Structures -- 3 hrs.

(ART 3037)

Lectures, problems and critiques on the invention and construction of innovative handmade book structures. Considers the content, form, and function of books. Prerequisite(s): [600:125](#) (ART 3030) or consent of instructor. (Variable)

600:184. Graphic Design: Portfolio Preparation -- 3 hrs.

(ART 3038)

Advanced problems in organizing and presenting a graphic design portfolio in anticipation of professional interviews. Addresses self-assessment, portfolio structure and sequence. Prerequisite(s): [600:125](#) (ART 3030), and two additional 100/3000/4000-level graphic design studio courses. (Variable)

600:189. B.F.A. Exhibition.

(ART 4400)

No credit. (Offered Fall and Spring)

600:191(g). Art History Seminar -- 3 hrs.

(ARTHIST 4999/ARTHIST 5999)

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: [600:040](#) (ARTHIST 1111); [600:041](#) (ARTHIST 1222); three 100/3000/4000-level art history courses; junior standing; consent of instructor. Prerequisite(s) for non-Art majors: junior standing; consent of instructor. (Variable)

600:192(g). Seminar: Critical Issues in Contemporary Art -- 3 hrs.

(ART 4300/ART 5300)

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)

600:194(g). Professional Practices -- 3 hrs.

(ART 4010/ART 5010)

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. (Offered Fall and Spring)

600:196. B.F.A. Project I -- 3 hrs.

(ART 4111)

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. (Offered Fall and Spring)

600:197. B.F.A. Project II -- 3 hrs.

(ART 4222)

Investigation of individual concepts and techniques culminating in professional Bachelor of Fine Arts exhibition.

Prerequisite(s): 600:196 (ART 4111); consent of instructor; B.F.A. exhibition must be scheduled concurrently.

(Offered Fall and Spring)

600:198. Independent Study.

(ART 4198)

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. (Offered Fall and Spring)

600:295. Seminar in Teaching Art -- 3 hrs.

(ARTED 6500)

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)

600:297. Practicum.

(ART 6297)

(Variable)

600:299. Research.

(ART 6299)

(Offered Fall and Spring)

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620 English Language and Literature (ENGLISH)

620:002. College Writing Basics -- 3 hrs.

(ENGLISH 1002)

Prepares students with limited writing experience for [620:005](#) (ENGLISH 1005); recommended for students who have ACT English scores of 17 or less. Emphasis on reading and writing a variety of increasingly complex expository texts. Attention to developing and organizing ideas, revising, editing, and adapting written discourse for readers. Does not meet the Liberal Arts Core writing requirement; does not count toward minimum hours required for baccalaureate degree. No credit if prior credit in another college writing course. May be used to help satisfy UNI's high school English admissions requirement. (Variable)

620:005. College Writing and Research -- 3 hrs.

(ENGLISH 1005)

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 [620:002](#) (ENGLISH 1002) first. Emphasis on critical reading and the writing of a variety of texts with attention to audience, purpose, and rhetorical strategies. Attention to integrating research materials with students' critical and personal insights. Satisfies the Liberal Arts Core writing and reading requirement. No credit if prior credit in [620:015](#) (ENGLISH 2015) or [620:034](#) (ENGLISH 2120). Prerequisite(s): UNI's high school English admissions requirement. (Offered Fall and Spring)

620:015. Craft of Academic Writing -- 3 hrs.

(ENGLISH 2015)

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 [620:005](#) (ENGLISH 1005), or consent of department. (Offered Fall and Spring)

620:031. Introduction to Literature -- 3 hrs.

(ENGLISH 1120)

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 [620:034](#) (ENGLISH 2120). (Offered Fall and Spring)

620:034. Critical Writing About Literature -- 3 hrs.

(ENGLISH 2120)

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 [620:005](#) (ENGLISH 1005). (Offered Fall and Spring)

620:035. Introduction to Film -- 3 hrs.

(ENGLISH 2650)

Examination at introductory level of four film genres: narrative, documentary, animated, and experimental; preparation for further work, either individually or academically. Prerequisite(s): [620:005](#) (ENGLISH 1005). (Variable)

620:040. Multicultural Literature -- 3 hrs.

(ENGLISH 2520)

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): [620:005](#) (ENGLISH 1005) or [620:015](#) (ENGLISH 2015) or [620:034](#) (ENGLISH 2120). (Offered Fall and Spring)

620:042. Survey of English Literature to Early Modernity -- 3 hrs.

(ENGLISH 2320)

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): [620:034](#) (ENGLISH 2120). (Offered Fall and Spring)

620:043. Survey of English Literature: Romantics to Post-Colonialism -- 3 hrs.

(ENGLISH 2340)

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): [620:034](#) (ENGLISH 2120). (Offered Fall and Spring)

620:053. Survey of American Literature -- 3 hrs.

(ENGLISH 2420)

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): [620:034](#) (ENGLISH 2120). (Offered Fall and Spring)

620:070. Beginning Poetry Writing -- 3 hrs.

(ENGLISH 2715)

Attention to fundamental elements of poetry -- image, metaphor, rhythm, meter, and word-music -- through reading and writing. Prerequisite(s): [620:005](#) (ENGLISH 1005). (Offered Fall and Spring)

620:071. Beginning Fiction Writing -- 3 hrs.

(ENGLISH 2725)

Attention to fundamental elements in the writing of fiction including setting, narration, plot, characterization, and dialogue. Prerequisite(s): [620:005](#) (ENGLISH 1005). (Offered Fall and Spring)

620:077. Introduction to Professional Writing -- 3 hrs.

(ENGLISH 2770)

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): [620:005](#) (ENGLISH 1005). (Offered Fall and Spring)

620:102(g). Applied Writing: Workplace Communication -- 3 hrs.

(ENGLISH 4765/ENGLISH 5765)

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): [150:080](#) (MGMT 2080) or [620:077](#) (ENGLISH 2770) or consent of instructor; junior standing. (Variable)

620:103. The Personal Essay -- 3 hrs.

(ENGLISH 4710)

Writing various types of essays (e.g., narrative, descriptive, expository, and persuasive); attention to stylistic questions and possibilities. Prerequisite(s): [620:005](#) (ENGLISH 1005) or [620:015](#) (ENGLISH 2015) or [620:034](#) (ENGLISH 2120); junior standing or consent of instructor. (Offered Fall and Spring)

620:104(g). Applied Writing: Proposals and Grants -- 3 hrs.

(ENGLISH 4770/ENGLISH 5770)

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): [150:080](#) (MGMT 2080) or [620:077](#) (ENGLISH 2770) or consent of instructor; junior standing. (Variable)

620:105(g). Applied Writing: Technical Communication -- 3 hrs.

(ENGLISH 4775/ENGLISH 5775)

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): [150:080](#) (MGMT 2080) or [620:077](#) (ENGLISH 2770) or consent of instructor; junior standing. (Variable)

620:107(g). Professional Editing -- 3 hrs.
(ENGLISH 4780/ENGLISH 5780)

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): [620:077](#) (ENGLISH 2770) or consent of instructor; junior standing. (Variable)

620:108(g). Craft of Poetry -- 3 hrs.
(ENGLISH 4715/ENGLISH 5715)

Written exercises in forms, patterns, and techniques of poetry. Readings in poetry, including contemporary poetry, with particular attention to poetic structures and strategies. Prerequisite(s): [620:070](#) (ENGLISH 2715) or consent of instructor; junior standing. (Variable)

620:109(g). Craft of Fiction -- 3 hrs.
(ENGLISH 4725/ENGLISH 5725)

Written exercises in forms, patterns, and techniques of fiction. Readings in fiction with particular attention to narrative structures and strategies. Prerequisite(s): [620:071](#) (ENGLISH 2725) or consent of instructor; junior standing. (Variable)

620:110(g). Old English Language, Literature, and Culture -- 3 hrs.
(ENGLISH 4310/ENGLISH 5310)

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)

620:113(g). Early Modern Drama -- 3 hrs.
(ENGLISH 4315/ENGLISH 5315)

Emphasis on contemporaries of Shakespeare such as Marlowe, Jonson, and Webster; includes selected premodern, Restoration, and 18th- and 19th-century dramas. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:115(g). Modern Drama -- 3 hrs.
(ENGLISH 4615/ENGLISH 5615)

Twentieth-century American, British, and European drama; may include drama from other cultures. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:116(g). English Renaissance -- 3 hrs.
(ENGLISH 4320/ENGLISH 5320)

Non-dramatic literature of the English Renaissance, 1485-1660. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:117(g). 18th-Century British Literature -- 3 hrs.
(ENGLISH 4325/ENGLISH 5325)

Major writers of satire, verse, and prose including Dryden, Swift, Pope, and Johnson. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:118(g). British Romantic Writers -- 3 hrs.
(ENGLISH 4330/ENGLISH 5330)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:119(g). British Victorian Writers -- 3 hrs.

(ENGLISH 4335/ENGLISH 5335)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:120(g). 20th-Century British Novel -- 3 hrs.

(ENGLISH 4345/ENGLISH 5345)

Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:121(g). The American Renaissance -- 3 hrs.

(ENGLISH 4420/ENGLISH 5420)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:123(g). American Realism and Naturalism to WWI -- 3 hrs.

(ENGLISH 4425/ENGLISH 5425)

Literary selections 1870 to World War I; emphasis on fiction. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:124(g). 20th-Century American Novel -- 3 hrs.

(ENGLISH 4445/ENGLISH 5445)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:126(g). Genre Seminar: _____ -- 3 hrs.

(ENGLISH 4688/ENGLISH 5688)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:128(g). Images of Women in Literature -- 3 hrs.

(ENGLISH 4120/ENGLISH 5120)

Images, symbols, and myths of women in literature; feminist criticism. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:134(g). Modern/Postmodern Poetry -- 3 hrs.

(ENGLISH 4602/ENGLISH 5602)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:139(g). Film and Literature -- 3 hrs.

(ENGLISH 4652/ENGLISH 5652)

Attention to cinematic adaptations of various literary prose works; aesthetic, cultural, genre, and other factors that influence adapting print to film media. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:142(g). Film History -- 3 hrs.

(ENGLISH 4660/ENGLISH 5660)

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): [620:034](#) (ENGLISH 2120) or [620:035](#) (ENGLISH 2650) or consent of instructor; junior standing. (Variable)

620:144(g). Chaucer -- 3 hrs.

(ENGLISH 4370/ENGLISH 5370)

Poetry of Chaucer; may include other medieval writers. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:147(g). Milton -- 3 hrs.

(ENGLISH 4380/ENGLISH 5380)

Milton's major English poetry and prose. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:148(g). Shakespeare -- 3 hrs.

(ENGLISH 4375/ENGLISH 5375)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:150(g). Author Seminar: _____ -- 3 hrs.

(ENGLISH 4188/ENGLISH 5188)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:151(g). Early American Literature -- 3 hrs.

(ENGLISH 4410/ENGLISH 5410)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:153(g). American Poetry to 1914 -- 3 hrs.

(ENGLISH 4430/ENGLISH 5430)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:156(g). British Novel to 1900 -- 3 hrs.

(ENGLISH 4340/ENGLISH 5340)

Major fiction writers such as Fielding, Sterne, Austen, Dickens, Thackeray, the Brontes, George Eliot, and Hardy. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:157(g). African American Literature -- 3 hrs.

(ENGLISH 4540/ENGLISH 5540)

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): [620:034](#) (ENGLISH 2120) or [620:040](#) (ENGLISH 2520) or consent of instructor; junior standing. (Variable)

620:158(g). Asian American Literature -- 3 hrs.

(ENGLISH 4560/ENGLISH 5560)

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): [620:034](#) (ENGLISH 2120) or [620:040](#) (ENGLISH 2520) or consent of instructor; junior standing. (Variable)

620:161(g). Literary Criticism -- 3 hrs.

(ENGLISH 4140/ENGLISH 5140)

Important modern and traditional critical positions and their application to imaginative literature. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:163(g). Theory and Practice of Writing -- 3 hrs.

(ENGLISH 4025/ENGLISH 5025)

Detailed examination and application of major theories of writing: formal, cognitive, social, expressive, rhetorical, and contextual. Prerequisite(s): [620:005](#) (ENGLISH 1005) or [620:015](#) (ENGLISH 2015) or [620:034](#) (ENGLISH 2120); junior standing. (Variable)

620:164(g). Digital Writing: Theory and Practice -- 3 hrs.

(ENGLISH 4040/ENGLISH 5040)

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): [620:005](#) (ENGLISH 1005) or [620:015](#) (ENGLISH 2015) or [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:165(g). Literature for Young Adults -- 3 hrs.

(ENGLISH 4940/ENGLISH 5940)

Reading and evaluation of literature suitable for adolescents. Prerequisite(s): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Offered Fall, Spring, and Summer)

620:170(g). Electronic Literature -- 3 hrs.

(ENGLISH 4672/ENGLISH 5672)

Examination and creation of new media literary texts. May include hypertext non-linear narratives, multi-media texts, and digital poetry. Prerequisite(s): [48C:025](#) (COMM 2555) or [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:172(g). Literary Nonfiction -- 3 hrs.

(ENGLISH 4632/ENGLISH 5632)

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): [620:034](#) (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:174(g). Poetry Workshop -- 1-6 hrs.

(ENGLISH 4740/ENGLISH 5740)

Advanced peer workshop focusing on relevant genres, techniques, and poets, with emphasis on the contemporary poetic situation. May be repeated for maximum of 9 hours. Prerequisite(s): [620:108](#) (ENGLISH 4715/ENGLISH 5715) or consent of instructor; junior standing. (Variable)

620:175(g). Fiction Workshop -- 1-6 hrs.

(ENGLISH 4750/ENGLISH 5750)

Advanced peer workshop focusing on refining techniques of fiction writing and on contemporary fiction. May be repeated for maximum of 9 hours. Prerequisite(s): [620:109](#) (ENGLISH 4725/ENGLISH 5725) or consent of instructor; junior standing. (Variable)

620:177(g). Applied Writing: Projects and Careers -- 3 hrs.

(ENGLISH 4785/ENGLISH 5785)

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): [620:077](#) (ENGLISH 2770) and one of the following: [240:170](#) (INSTTECH 4170/INSTTECH 5170) or [600:125](#) (ART 3030) or [620:102](#) (ENGLISH 4765/ENGLISH 5765) or [620:104](#) (ENGLISH 4770/ENGLISH 5770) or [620:105](#) (ENGLISH 4775/ENGLISH 5775) or [620:107](#) (ENGLISH 4780/ENGLISH 5780); or consent of instructor; junior standing. (Variable)

620:182(g). Film Theory and Criticism -- 3 hrs.

(ENGLISH 4664/ENGLISH 5664)

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): 620:034 (ENGLISH 2120) or 620:035 (ENGLISH 2650) or consent of instructor; junior standing. (Variable)

620:187. Blues and Jazz in African American Film and Literature -- 3 hrs.

(ENGLISH 4577)

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:187 (CAP 3187)) (Variable)

620:188(g). Seminar in Literature: _____ -- 3 hrs.

(ENGLISH 4190/ENGLISH 5190)

Topic listed in Schedule of Classes. May be repeated for credit on different topics. Prerequisite(s): 620:034 (ENGLISH 2120) or consent of instructor; junior standing. (Variable)

620:190(g). The Teaching of English -- 3 hrs.

(ENGLISH 4980/ENGLISH 5980)

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): 200:128 (EDPSYCH 3128); 200:148 (EDPSYCH 3148); 250:150 (MEASRES 3150); junior standing. (Offered Fall and Spring)

620:191(g). Seminar for the Student Teacher -- 1 hr.

(ENGLISH 4985/ENGLISH 5985)

Intensive course to integrate 620:190 (ENGLISH 4980/ENGLISH 5980) with the student teaching experience.

Offered on credit/no credit basis only. Prerequisite(s): junior standing. Corequisite(s): 280:138 (TEACHING 3138). (Variable)

620:193(g). The Teaching of Writing -- 3 hrs.

(ENGLISH 4920/ENGLISH 5920)

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): 620:005 (ENGLISH 1005) or consent of instructor; junior standing. (Offered Fall and Spring)

620:195(g). Seminar in Teaching College Writing -- 3 hrs.

(ENGLISH 4990/ENGLISH 5990)

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)

620:197(g). Professional Writing Practicum -- 1-6 hrs.

(ENGLISH 4790/ENGLISH 5790)

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): 620:177 (ENGLISH 4785/ENGLISH 5785); junior standing. (Variable)

620:198. Independent Study.

(ENGLISH 4198)

(Offered Fall and Spring)

620:201. Introduction to Graduate Study in English -- 3 hrs.

(ENGLISH 6100)

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. (Offered Fall)

620:204. Topics in Literary Criticism -- 3 hrs.

(ENGLISH 6110)

Selected problems in the theory of literary art, the history of criticism, and the interpretation of particular works. Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Variable)

620:206. Feminist Literary Theories and Practice -- 3 hrs.

(ENGLISH 6120)

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): 620:201 (ENGLISH 6100) or 680:289 (WGS 6289) or consent of instructor. (Variable)

620:208. Contemporary Literary Theory -- 3 hrs.

(ENGLISH 6140)

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): 620:201 (ENGLISH 6100). (Variable)

620:220. Medieval English Literature -- 3 hrs.

(ENGLISH 6310)

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): 620:201 (ENGLISH 6100). (Variable)

620:221. English Renaissance Literature -- 3 hrs.

(ENGLISH 6320)

(1485-1660). Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Variable)

620:223. Restoration and 18th Century English Literature -- 3 hrs.

(ENGLISH 6330)

(1660-1798). Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Variable)

620:226. Modern English Literature -- 3 hrs.

(ENGLISH 6350)

(1900-1945). Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Variable)

620:231. American Romantic Literature -- 3 hrs.

(ENGLISH 6420)

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): 620:201 (ENGLISH 6100). (Variable)

620:232. Issues in American Literature, 1865-1914 -- 3 hrs.

(ENGLISH 6430)

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): 620:201 (ENGLISH 6100).

(Variable)

620:234. Modern American Literature -- 3 hrs.

(ENGLISH 6450)

(1912-1945). Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Variable)

620:260. Contemporary Literature -- 3 hrs.

(ENGLISH 6540)

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): 620:201 (ENGLISH 6100). (Variable)

620:270. Graduate Creative Writing Workshop -- 3 hrs.

(ENGLISH 6720)

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): 620:108 (ENGLISH 4715/ENGLISH 5715) or 620:109 (ENGLISH 4725/ENGLISH 5725) or written consent of instructor. Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Variable)

620:284. Seminar in Literature -- 3 hrs.

(ENGLISH 6188)

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): 620:201 (ENGLISH 6100). (Variable)

620:291. Seminar in the Teaching of English -- 3 hrs.

(ENGLISH 6980)

Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Variable)

620:297. Practicum.

(ENGLISH 6297)

Graduate-level student teaching. Prerequisite(s): consent of instructor. Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Variable)

620:299. Research.

(ENGLISH 6299)

Prerequisite(s) or corequisite(s): 620:201 (ENGLISH 6100). (Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog
630 TESOL/Applied Linguistics (TESOL)

630:125(g). Introduction to Linguistics -- 3 hrs.

(TESOL 4120/TESOL 5120)

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 630:130 (TESOL 4110/TESOL 5110). Prerequisite(s): junior standing or consent of TESOL major advisor. (Offered Fall and Spring)

630:130(g). The Structure of English -- 3 hrs.

(TESOL 4110/TESOL 5110)

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 630:125 (TESOL 4120/TESOL 5120). Prerequisite(s): junior standing or consent of TESOL major advisor. (Offered Fall and Spring)

630:143(g). History of the English Language -- 3 hrs.

(TESOL 4140/TESOL 5140)

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): 630:125 (TESOL 4120/TESOL 5120) or 630:130 (TESOL 4110/TESOL 5110); junior standing. (Variable)

630:154(g). Phonology -- 3 hrs.

(TESOL 4350/TESOL 5350)

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): 630:125 (TESOL 4120/TESOL 5120) or 630:130 (TESOL 4110/TESOL 5110). (Variable)

630:160(g). Sociolinguistics -- 3 hrs.

(TESOL 4540/TESOL 5540)

Study of language and society, including language variation associated with such factors as geography, socioeconomic class, and gender. Prerequisite(s): 630:125 (TESOL 4120/TESOL 5120) or 630:130 (TESOL 4110/TESOL 5110); junior standing. (Variable)

630:163(g). Cultural Aspects of Language and Language Teaching -- 3 hrs.

(TESOL 4520/TESOL 5520)

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): 630:125 (TESOL 4120/TESOL 5120) or 630:130 (TESOL 4110/TESOL 5110); junior standing. (Variable)

630:165(g). Language Development -- 3 hrs.

(TESOL 4510/TESOL 5510)

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)

630:190(g). Applied English Linguistics for Teachers -- 3 hrs.

(TESOL 4710/TESOL 5710)

Linguistic insights applied to study of language use--writing, reading, spelling, and vocabulary; for prospective and current teachers of English. Prerequisite(s): 630:125 (TESOL 4120/TESOL 5120) or 630:130 (TESOL 4110/TESOL 5110); junior standing. (Variable)

630:192(g). Problems in English Grammar -- 3 hrs.

(TESOL 4340/TESOL 5340)

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): 630:125 (TESOL 4120/TESOL 5120) or 630:130 (TESOL 4110/TESOL 5110). (Variable)

630:193(g). TESOL I: Methods and Approaches -- 3 hrs.

(TESOL 4740/TESOL 5740)

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): [630:125](#) (TESOL 4120/TESOL 5120) or [630:130](#) (TESOL 4110/TESOL 5110). (Offered Fall and Spring)

630:194(g). TESOL II: Pedagogical Strategies -- 3 hrs.

(TESOL 4760/TESOL 5760)

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): [630:125](#) (TESOL 4120/TESOL 5120) or [630:130](#) (TESOL 4110/TESOL 5110). (Offered Fall and Spring)

630:195(g). Modern English Grammar and Usage -- 3 hrs.

(TESOL 4310/TESOL 5310)

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)

630:196(g). Bilingual Education in the Public Schools -- 3 hrs.

(TESOL 4720/TESOL 5720)

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): [630:125](#) (TESOL 4120/TESOL 5120) or [630:130](#) (TESOL 4110/TESOL 5110). (Offered Spring)

630:198. Independent Study.

(TESOL 4198)

(Offered Fall and Spring)

630:201. Introduction to Graduate Study in TESOL/Applied Linguistics -- 3 hrs.

(TESOL 6100)

Introduction to sources, tools, and techniques in graduate-level study and research in TESOL and language sciences. (Offered Fall)

630:240. Computer Assisted Language Learning (CALL) -- 3 hrs.

(TESOL 6740)

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. (Offered Fall)

630:289. Seminar in Language -- 3 hrs.

(TESOL 6289)

Topic listed in Schedule of Classes. May be repeated for credit on different topics. (Offered Fall and Spring)

630:292. Second Language Acquisition -- 3 hrs.

(TESOL 6510)

Historical background and methodology of second language acquisition research; current theories of acquisition and learning; role of individual and societal variables in language learning. (Offered Fall)

630:295. Language Testing -- 3 hrs.

(TESOL 6760)

Examination of basic approaches and techniques for constructing and interpreting language tests. (Offered Spring)

630:297. TESOL Practicum.

(TESOL 6297)

Graduate-level student teaching of English as a second language. Prerequisite(s): consent of instructor. (Offered Fall and Spring)

630:299. Research.

(TESOL 6299)

(Offered Fall and Spring)

2010-2012 UNI Catalog
640 World Religions (RELS)

640:024. Religions of the World -- 3 hrs.

(RELS 1020)

Living religions with emphasis on texts, beliefs, tradition, values, and practices. (Offered Fall, Spring, and Summer)

640:030. What is Religion? -- 3 hrs.

(RELS 1030)

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)

640:040. Religion, Ethics, and Film -- 3 hrs.

(RELS 1510)

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)

640:110. Angels Across Cultures -- 3 hrs.

(RELS 3010)

Study of the persistent belief in angels and angel-like, superhuman beings in different religions and cultures, and examination of dynamics of popular religion. (Offered Odd Springs)

640:113(g). Philosophy of Religion -- 3 hrs.

(RELS 4110/RELS 5110)

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 650:113g (PHIL 4110/5110)) (Offered Even Springs)

640:115(g). Religion and Its Critics -- 3 hrs.

(RELS 4120/RELS 5120)

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. (Offered Odd Springs)

640:117(g). Religion in America -- 3 hrs.

(RELS 4230/RELS 5230)

Investigation of religious movements and beliefs from colonial times to present. Prerequisite(s): junior standing. (Same as 961:145g (HISUS 4250/5250)) (Offered Fall)

640:126. Meditation and Mystical Experience -- 3 hrs.

(RELS 3020)

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)

640:130. Great Living Religions: Hinduism and Buddhism -- 3 hrs.

(RELS 3210)

Hinduism, Jainism, Buddhism, Islam. (Offered Even Falls)

640:132. Confucianism, Daoism, and Zen -- 3 hrs.

(RELS 3220)

Daoism, Confucianism, Buddhism, Shintoism. (Offered Odd Falls)

640:134. Great Living Religions: Judaism and Islam -- 3 hrs.

(RELS 3230)

Study of the doctrines and practices of Judaism and Islam in their cultural context with attention to historical development and current situation. (Offered Odd Springs)

640:136. Great Living Religions: Christianity -- 3 hrs.

(RELS 3240)

Introductory survey of development, beliefs, practices, and varieties of Christianity. (Offered Even Springs)

640:138. Malcolm, Martin, and Justice -- 3 hrs.

(RELS 3310)

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 680:138 (HUM 3138)) (Variable)

640:140. Black Liberation and the Black Church -- 3 hrs.

(RELS 3320)

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)

640:141. Old Testament and Other Hebrew Scriptures -- 3 hrs.

(RELS 2010)

Introduction to history and ideas of Old Testament and other Hebrew scriptures. (Offered Fall)

640:142. New Testament and Early Christian Writings -- 3 hrs.

(RELS 2020)

Introduction to history and ideas of New Testament and early Christian writings. (Offered Spring)

640:152(g). Existentialism -- 3 hrs.

(RELS 4320/RELS 5320)

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 650:152g (PHIL 4320/5320)) (Offered Odd Falls)

640:154(g). Myth and Symbol -- 3 hrs.

(RELS 4140/RELS 5140)

Investigation of meaning and significance of religious myths and symbols, and theories used to study them. Prerequisite(s): junior standing. (Variable)

640:158(g). Why We Believe -- 3 hrs.

(RELS 4130/RELS 5130)

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. (Offered Odd Falls)

640:161. Religion, Magic, and Witchcraft -- 3 hrs.

(RELS 3103)

Anthropological understanding of behavior dealing with the supernatural; supernatural beliefs, practices, and movements throughout the world. (Same as 990:161 (ANTH 3103)) (Offered Spring)

640:162(g). Women and Christianity -- 3 hrs.

(RELS 4150/RELS 5150)

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)

640:165(g). Religion and Society -- 3 hrs.

(RELS 4160/RELS 5160)

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. (Offered Odd Springs)

640:168(g). Religion and Sexuality -- 3 hrs.

(RELS 4170/RELS 5170)

Examination of ways in which religions shape and reflect ideas about the body and sexuality. Prerequisite(s): junior standing. (Variable)

640:171. Religion and Ethics -- 3 hrs.

(RELS 2510)

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. (Offered Fall)

640:173. Bio-Medical Ethics -- 3 hrs.

(RELS 3510)

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 650:173 (PHIL 3510) and CAP:173 (CAP 3173)) (Offered Fall and Spring)

640:174(g). Ethics in Business -- 3 hrs.

(RELS 3540/RELS 5540)

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 150:174g (MGMT 3974/5974) and 650:174g (PHIL 3540/5540)) (Offered Fall and Spring)

640:175(g). Environmental Ethics -- 3 hrs.

(RELS 3520/RELS 5520)

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 650:175g (PHIL 3530/5530)) (Offered Odd Falls)

640:186(g). Studies in Religion -- 3 hrs.

(RELS 4186/RELS 5186)

Topics listed in Schedule of Classes. Prerequisite(s): junior standing. (Offered Fall and Spring)

640:189(g). Individual Readings in Religion -- 1-3 hrs.

(RELS 3080/RELS 5080)

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. (Offered Fall and Spring)

640:194. Perspectives on Death and Dying -- 3 hrs.

(RELS 3110)

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 650:194 (PHIL 3110) and CAP:194 (CAP 3194)*) (Offered Fall and Spring)

640:197. Ethics Practicum -- 1-3 hrs.

(RELS 3550)

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 650:197 (PHIL 3550)*) (Offered Fall and Spring)

640:250. Critical Perspectives on Gender -- 3 hrs.

(RELS 6010)

Consideration of two traditions that have influenced feminist theories in the last two decades - poststructuralism and psychoanalysis. Readings in primary texts (e.g., Foucault, Derrida, Freud, and Lacan) and explorations of feminist elaborations and critiques of these texts revealing the tenacity, centrality, and power in human lives of a sense of gendered existence. (*Same as 650:250 (PHIL 6010)*) (Offered Even Springs)

2010-2012 UNI Catalog 650 Philosophy (PHIL)

650:021. Philosophy: The Art of Thinking -- 3 hrs.

(PHIL 1020)

Introductory exploration of questions concerning nature of self, reality, meaning, knowledge, truth, faith, value, and obligation. (Offered Fall and Spring)

650:045. Elementary Logic -- 3 hrs.

(PHIL 1030)

Methods, principles, and rules of reasoning with emphasis on their practical uses in effective thinking, scientific inquiry, and verbal communication. (Offered Fall and Spring)

650:050. Reasoning About Moral Problems -- 3 hrs.

(PHIL 2010)

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)

650:100. History of Philosophy: Ancient -- 3 hrs.

(PHIL 3210)

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. (Offered Odd Falls)

650:101. History of Philosophy: Medieval -- 3 hrs.

(PHIL 3220)

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. (Offered Even Springs)

650:103. History of Philosophy: Renaissance through Enlightenment -- 3 hrs.

(PHIL 3230)

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. (Offered Even Falls)

650:104. History of Philosophy: Modern -- 3 hrs.

(PHIL 3240)

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. (Offered Odd Springs)

650:105(g). Marxisms -- 3 hrs.

(PHIL 4310/PHIL 5310)

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)

650:113(g). Philosophy of Religion -- 3 hrs.

(PHIL 4110/PHIL 5110)

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 [640:113g \(RELS 4110/5110\)](#)) (Offered Even Springs)

650:119. Philosophy of Science -- 3 hrs.

(PHIL 3130)

Philosophical problems of the sciences; nature of laws and theories, causation, explanation and scientific method, and relation between natural and social sciences. (Variable)

650:142. Ethics -- 3 hrs.

(PHIL 2510)

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. (Offered Fall and Spring)

650:143. Philosophy of Art -- 3 hrs.

(PHIL 3120)

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. (Offered Even Falls)

650:150(g). Knowledge and Reality -- 3 hrs.

(PHIL 4010/PHIL 5010)

Study of variety of knowledge-claims about the world and of the structures of reality implied. Prerequisite(s): junior standing. (Offered Fall)

650:151. Money, Sex and Power: Theories of Race, Class and Gender -- 3 hrs.

(PHIL 3010)

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:151 (CAP 3151)*) (Variable)

650:152(g). Existentialism -- 3 hrs.

(PHIL 4320/PHIL 5320)

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 640:152g (RELS 4320/5320)*) (Offered Odd Falls)

650:153(g). The Human Person -- 3 hrs.

(PHIL 3310/PHIL 5310)

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. (Offered Odd Springs)

650:160(g). Phenomenology and Foucault -- 3 hrs.

(PHIL 4330/PHIL 5330)

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)

650:164(g). Nietzsche, Nihilism, and the "Overcoming" of Western Metaphysics -- 3 hrs.

(PHIL 4410/PHIL 5410)

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)

650:166(g). Philosophy of Language: Wittgenstein -- 3 hrs.

(PHIL 4420/PHIL 5420)

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)

650:172. Society, Politics, and the Person -- 3 hrs.

(PHIL 3320)

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. (Offered Even Springs)

650:173. Bio-Medical Ethics -- 3 hrs.

(PHIL 3510)

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 640:173 (RELS 3510) and CAP:173 (CAP 3173)) (Offered Fall and Spring)

650:174(g). Ethics in Business -- 3 hrs.

(PHIL 3540/PHIL 5540)

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 150:174g (MGMT 3974/5974) and 640:174g (RELS 3540/5540)) (Offered Fall and Spring)

650:175(g). Environmental Ethics -- 3 hrs.

(PHIL 3530/PHIL 5530)

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 640:175g (RELS 3520/5520)) (Offered Odd Falls)

650:186(g). Studies in Philosophy -- 3 hrs.

(PHIL 4186/PHIL 5186)

Study of philosophical thinker or problem listed in Schedule of Classes. Prerequisite(s): junior standing. (Offered Fall and Spring)

650:189(g). Individual Readings in Philosophy -- 1-3 hrs.

(PHIL 3080/PHIL 5080)

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. (Offered Fall and Spring)

650:194. Perspectives on Death and Dying -- 3 hrs.

(PHIL 3110)

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 640:194 (RELS 3110) and CAP:194 (CAP 3194)) (Offered Fall and Spring)

650:197. Ethics Practicum -- 1-3 hrs.

(PHIL 3550)

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 640:197 (RELS 3550)) (Offered Fall and Spring)

650:245. Ethics in Public Policy -- 2 hrs.

(PHIL 6510)

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. (Offered Fall)

650:250. Critical Perspectives on Gender -- 3 hrs.

(PHIL 6010)

Consideration of two traditions that have influenced feminist theories in the last two decades - poststructuralism and psychoanalysis. Readings in primary texts (e.g., Foucault, Derrida, Freud, and Lacan) and explorations of feminist elaborations and critiques of these texts revealing the tenacity, centrality, and power in human lives of a sense of gendered existence. (Same as 640:250 (RELS 6010)) (Offered Even Springs)

**2010-2012 UNI Catalog
680 Humanities (HUM)**

There is no Humanities Department as such. The courses below are interdisciplinary and are taught jointly by staff from several departments.

680:010. Leadership: Skills and Styles -- 3 hrs.

(HUM 1010)

Basic principles and skills of personal leadership. Focus on clarifying values, motivating individuals, and organizing groups. Practical applications and use of case studies. (Variable)

680:021. Humanities I: The Ancient, Classical, and Medieval Worlds -- 3 hrs.

(HUM 1021)

Literature, philosophy, religion, and the fine arts, integrated with the history of Western Civilization to 1300. (Offered Fall, Spring, and Summer)

680:022. Humanities II: The Renaissance, Reformation, and Enlightenment -- 3 hrs.

(HUM 1022)

Literature, philosophy, religion, and the fine arts, integrated with the history of Western Civilization from 1300 to the French Revolution of 1789. (Offered Fall, Spring, and Summer)

680:023. Humanities III: The Age of Revolution to the Present -- 3 hrs.

(HUM 1023)

Literature, philosophy, religion, and the fine arts integrated with the history of Western Civilization since the French Revolution of 1789. (Offered Fall, Spring, and Summer)

680:040. Women's and Gender Studies: Introduction -- 3 hrs.

(WGS 1040)

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. (Offered Fall and Spring)

680:102(g). Nonverbal Communication -- 3 hrs.

(HUM 3102/HUM 5102)

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 48C:121g (COMM 4311/5311)*) (Offered Fall and Spring)

680:110(g). Leadership: Concepts and Practice -- 3 hrs.

(HUM 3110/HUM 5110)

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): 680:010 (HUM 1010); junior standing. (Offered Fall and Spring)

680:121. Russia/Soviet Union -- 3 hrs.

(HUM 3121)

Interdisciplinary examination of the culture, history, geography, economy, political system, and society of Russia and the Soviet Union. (Offered Fall and Spring)

680:122. Japan -- 3 hrs.

(HUM 3122)

Introductory study of Japan: geographical setting, historical background, cultural heritage, social and political systems, and economic development and importance. (Offered Fall and Spring)

680:123. Latin America -- 3 hrs.

(HUM 3123)

Historical, political, social, and cultural elements that form the civilization of Latin America. No credit if student has credit in 780:120 (SPAN 3020). (Offered Fall and Spring)

680:124. China -- 3 hrs.

(HUM 3124)

Introduction to essential aspects of China, including geography, environment, demography, anthropology, history, language, religion, economic development, political changes, and foreign relations. (Offered Fall and Spring)

680:125. India -- 3 hrs.

(HUM 3125)

Treatment of significant elements of Indian culture, historical development, and place in the world today. (Offered Fall and Spring)

680:127. Middle East -- 3 hrs.

(HUM 3127)

Treatment of significant aspects of Middle Eastern culture, historical development, and place in the world today. (Variable)

680:128. Africa -- 3 hrs.

(HUM 3128)

Interdisciplinary examination of contemporary African society and culture: historical heritage, problems, prospects, and importance. (Offered Fall and Spring)

680:130. Culture and Philosophy of African American Life -- 3 hrs.

(HUM 3130)

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)

680:131. Practicum in African American Culture -- 2 hrs.

(HUM 3131)

Opportunity to work on self-optioned 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): 680:130 (HUM 3130). (Variable)

680:132. Native North America -- 3 hrs.

(HUM 3132)

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 990:132 (ANTH 2410)) (Variable)

680:137. Native Central and South America -- 3 hrs.

(HUM 3137)

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 990:137 (ANTH 2411)) (Variable)

680:138. Malcolm, Martin, and Justice -- 3 hrs.

(HUM 3138)

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 640:138 (RELS 3310)) (Variable)

680:151(g). Images of Blacks in the White Mind -- 3 hrs.

(HUM 3151/HUM 5151)

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)

680:160(g). Black Women in America: Challenge, Spirit, Survival -- 3 hrs.

(HUM 3160/HUM 5160)

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)

680:169. Leadership Internship -- 1-3 hrs.

(HUM 3169)

Field placement designed to further develop leadership abilities. Site placement determined in consultation with the Director of Leadership Studies. Prerequisite(s): 680:010 (HUM 1010); 680:110 (HUM 3110/HUM 5110); consent of instructor and Director of Leadership Studies. (Variable)

680:188. Seminar on Leadership Development: The Future -- 1-2 hrs.

(HUM 3188)

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): 680:010 (HUM 1010); 680:110 (HUM 3110/HUM 5110); junior standing or consent of instructor. (Variable)

680:189(g). Seminar in Environmental Problems -- 3 hrs.

(HUM 3189/HUM 5189)

Experience in environmental problem solving of both a theoretical and practical nature. Prerequisite(s): junior standing; consent of instructor. (Variable)

680:192. Junior-Senior Seminar -- 3 hrs.

(HUM 4192)

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)

680:198. Independent Study.

(HUM 4198)

(Variable)

680:289. Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories -- 3 hrs.

(WGS 6289)

Analysis of identities and oppressions from national and international feminist perspectives. (Offered Fall)

680:290. Graduate Seminar in Women's and Gender Studies: Library Research Methods -- 1 hr.

(WGS 6290)

Library research strategies and methods. (Offered Spring)

2010-2012 UNI Catalog 700 Languages (LANG)

700:099. Preparation for Study Abroad -- 2 hrs.

(LANG 2003)

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. (Offered Fall and Spring)

700:190(g). The Teaching of Foreign Languages -- 2-4 hrs.

(LANG 4090/LANG 5090)

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 700:190 (LANG 4090/LANG 5090). Prerequisite(s): 7x0:101; 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): 7x0:191. (Offered Spring)

700:193(g). Technology in Foreign Language Education -- 2-3 hrs.

(LANG 4093/LANG 5093)

Based on current research and methodological approaches, enables critical selection, integration, and application of modern technology in foreign language instruction. Prerequisite(s): 7x0:101; 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: 240:133 *Creating Web Pages* and 240:133 *Mastering Microsoft Office*. Prerequisite(s) or corequisite(s): 700:190 (LANG 4090/LANG 5090); 7x0:191; or consent of instructor. (Offered Fall)

700:198. Independent Study.

(LANG 4198)

(Variable)

700:290. Theory and Practice in Foreign Language Teaching -- 1-3 hrs.

(LANG 6090)

Synthesis of past and current theories of language acquisition with language teaching practice. May be repeated. Prerequisite(s): consent of instructor. (Offered Fall)

700:295. Research Methods in Culture and Literature -- 2-3 hrs.

(LANG 6095)

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. (Offered Spring)

2010-2012 UNI Catalog
710 Chinese (CHIN)

710:001. Elementary Chinese I -- 5 hrs.

(CHIN 1001)

For beginners. (Variable)

710:002. Elementary Chinese II -- 5 hrs.

(CHIN 1002)

Continuation of 710:001 (CHIN 1001). Prerequisite(s): 710:001 (CHIN 1001) or consent of instructor. (Variable)

710:011. Intermediate Chinese I -- 5 hrs.

(CHIN 1011)

Continuation of 710:002 (CHIN 1002). Progressive development of writing, reading, and speaking skills through sequence of exercises relating to daily practical living. Grammatical refinement using numerous illustrations of more difficult new words in dialogues on everyday topics. Prerequisite(s): 710:002 (CHIN 1002) or consent of instructor. (Variable)

2010-2012 UNI Catalog

720 French (FREN)

720:001. Introduction to French Language and Culture I -- 3-4 hrs.

(FREN 1001)

Development of listening comprehension, speaking, reading and writing, and cultural literacy. Corequisite(s): 720:003 (FREN 1011). (Offered Fall and Spring)

720:002. Introduction to French Language and Culture II -- 3-4 hrs.

(FREN 1002)

Continuation of 720:001 (FREN 1001). Prerequisite(s): 720:001 (FREN 1001); 720:003 (FREN 1011); or equivalents. Corequisite(s): 720:004 (FREN 1012). (Offered Fall and Spring)

720:003. French Communication Practice I -- 1-2 hrs.

(FREN 1011)

Practice (both live and computer-mediated) to reinforce and broaden the development of language and culture. Corequisite(s): 720:001 (FREN 1001). (Offered Fall and Spring)

720:004. French Communication Practice II -- 1-2 hrs.

(FREN 1012)

Continuation of 720:003 (FREN 1011). Prerequisite(s): 720:001 (FREN 1001); 720:003 (FREN 1011); or equivalents. Corequisite(s): 720:002 (FREN 1002). (Offered Fall and Spring)

720:011. Intermediate French Language and Culture -- 3-4 hrs.

(FREN 2001)

Thorough review of patterns of French; development of vocabulary and emphasis on listening comprehension, speaking, reading and writing, and cultural literacy. Prerequisite(s): 720:002 (FREN 1002); 720:004 (FREN 1012); or equivalents. Corequisite(s): 720:012 (FREN 2011). (Offered Fall)

720:012. Intermediate French Communication Practice -- 1-2 hrs.

(FREN 2011)

Practice (both live and computer-mediated) to reinforce and broaden the development of language and culture. Prerequisite(s): 720:002 (FREN 1002); 720:004 (FREN 1012); or equivalents. Corequisite(s): 720:011 (FREN 2001). (Offered Fall)

720:031. Introduction to Francophone Literature in Translation -- 3 hrs.

(FREN 1120)

Understanding and appreciating basic forms of Francophone literatures in English translation through close reading of literary texts. (Variable)

720:051. Composition -- 2-3 hrs.

(FREN 2002)

Continuation of 720:011 (FREN 2001), leading to free composition. Prerequisite(s): 720:011 (FREN 2001) or equivalent. Corequisite(s): 720:061 (FREN 2012) or other intermediate course with consent of department head. (Offered Spring)

720:061. Conversation -- 2-3 hrs.

(FREN 2012)

Continuation of 720:011 (FREN 2001), with wider range of subjects, vocabulary, and structures. Prerequisite(s): 720:011 (FREN 2001) or equivalent. Corequisite(s): 720:051 (FREN 2002) or other intermediate course with consent of department head. (Offered Spring)

720:100. Teaching French in the Elementary Schools -- 1 hr.

(FREN 3000)

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)

720:101(g). Advanced Composition -- 3 hrs.

(FREN 3001/FREN 5001)

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): 720:051 (FREN 2002); junior standing. (Offered Fall)

720:102. French to English Translation -- 3 hrs.

(FREN 3002)

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): 720:051 (FREN 2002) or consent of instructor. (Variable)

720:103(g). Advanced Conversation -- 3 hrs.

(FREN 3003/FREN 5003)

Development and improvement of oral fluency through free and guided conversation. May be repeated once with consent of instructor. Prerequisite(s): 720:051 (FREN 2002); 720:061 (FREN 2012); or consent of instructor; junior standing. (Variable)

720:104. Introduction to French Literature -- 3 hrs.

(FREN 3004)

Selected major works of representative French authors. Application of language skills to literary analysis and introduction to critical theories. Prerequisite(s): 720:101 (FREN 3001/FREN 5001) or equivalent. (Offered Spring)

720:105(g). Stylistics -- 3 hrs.

(FREN 4005/FREN 5005)

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): 720:101 (FREN 3001/FREN 5001) or equivalent. (Variable)

720:107(g). Listening and Comprehension -- 3 hrs.

(FREN 4007/FREN 5007)

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. (Offered Summer)

720:108(g). Special Topics in Francophone Culture -- 3 hrs.

(FREN 4008/FREN 5008)

Aspects of Francophone history and culture. May be repeated on different topic. Prerequisite(s): 720:101 (FREN 3001/FREN 5001) or equivalent; junior standing. (Variable)

720:111(g). Business French -- 3 hrs.

(FREN 3011/FREN 5011)

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): 720:101 (FREN 3001/FREN 5001) or equivalent; junior standing. (Offered Odd Falls)

720:114(g). The World of French Business -- 3 hrs.

(FREN 4014/FREN 5014)

Study of various aspects of French culture relevant to the business world. Prerequisite(s): 720:101 (FREN 3001/FREN 5001) or equivalent; junior standing. (Variable)

720:121(g). Special Topics in Language and Culture -- 3 hrs.

(FREN 4021/FREN 5021)

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): 720:101 (FREN 3001/FREN 5001); 720:104 (FREN 3004); or equivalents; junior standing. (Variable)

720:122(g). Special Topics in French Literature -- 3 hrs.

(FREN 4022/FREN 5022)

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): 720:101 (FREN 3001/FREN 5001); 720:104 (FREN 3004); or equivalents; junior standing. (Variable)

720:124(g). French Civilization -- 3 hrs.

(FREN 4024/FREN 5024)

Aspects of French history and culture up to the 19th Century. Prerequisite(s): 720:101 (FREN 3001/FREN 5001) or equivalent; junior standing. (Variable)

720:125(g). Contemporary France -- 3 hrs.

(FREN 4025/FREN 5025)

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): 720:101 (FREN 3001/FREN 5001) or equivalent; junior standing. (Variable)

720:126(g). French Summer Symposium: (Topic) -- 2-6 hrs.

(FREN 4026/FREN 5026)

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): 720:101 (FREN 3001/FREN 5001) or equivalent; junior standing. (Offered Summer)

720:128(g). Special Topics in Francophone Literature -- 3 hrs.

(FREN 4028/FREN 5028)

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): 720:101 (FREN 3001/FREN 5001); 720:104 (FREN 3004); or equivalents; junior standing. (Variable)

720:144(g). Special Topics in French Cinema -- 3 hrs.

(FREN 4044/FREN 5044)

Study of French films. Various topics in the areas of history, culture, cinematic genres, directors and screen adaptations of literary works. Prerequisite(s): 720:101 (FREN 3001/FREN 5001) or equivalent; junior standing. (Variable)

720:160(g). Advanced Oral Practice -- 2-4 hrs.

(FREN 4060/FREN 5060)

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): 720:101 (FREN 3001/FREN 5001) or equivalent. (Variable)

720:161(g). French Phonetics -- 2 hrs.

(FREN 4061/FREN 5061)

Correction of and practice in producing French sounds, intonation, rhythm, and stress to minimize foreign accent. Prerequisite(s): 720:051 (FREN 2002); 720:061 (FREN 2012); or equivalents; junior standing. (Variable)

720:181(g). Advanced Business French -- 3 hrs.

(FREN 4081/FREN 5081)

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): 720:111 (FREN 3011/FREN 5011) or consent of instructor; junior standing. (Offered Even Springs)

720:185(g). Introduction to Translation -- 3 hrs.

(FREN 3085/FREN 5085)

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): 720:101 (FREN 3001/FREN 5001) or equivalent; junior standing. (Variable)

720:191. Practicum in Teaching French -- 1-3 hrs.

(FREN 4091)

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): 720:101 (FREN 3001/FREN 5001). Prerequisite(s) or corequisite(s): 700:190 (LANG 4090/LANG 5090). (Offered Spring)

720:201. Advanced Composition and Stylistics -- 3 hrs.

(FREN 6001)

Study of stylistic devices; examination of principal morphological, syntactical, and semantic problems. (Variable)

720:203. Structure of French -- 3 hrs.

(FREN 6003)

Phonology, morphology, and syntax of current French, stressing areas of French structure which cause problems for native speakers of English. (Variable)

720:207. Contemporary French Speech -- 2 hrs.

(FREN 6007)

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)

720:225. Translation Strategies -- 3 hrs.

(FREN 6025)

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)

720:226. French Graduate Summer Symposium: (Topic) -- 2-6 hrs.

(FREN 6026)

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): 720:101 (FREN 3001/FREN 5001) or equivalent. (Offered Summer)

720:270. French Literature in Review I -- 3 hrs.

(FREN 6070)

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)

720:271. French Literature in Review II -- 3 hrs.

(FREN 6071)

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)

720:289. Seminar -- 3 hrs.

(FREN 6289)

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)

2010-2012 UNI Catalog

740 German (GER)

740:001. German Language and Culture I -- 3 hrs.

(GER 1001)

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): 740:003 (GER 1011). (Offered Fall and Spring)

740:002. German Language and Culture II -- 3 hrs.

(GER 1002)

Continuation of 740:001 (GER 1001) and 740:003 (GER 1011). Not recommended for students who have had three or more years of German in high school or equivalent. Prerequisite(s): 740:001 (GER 1001); 740:003 (GER 1011); or equivalents. Corequisite(s): 740:004 (GER 1012). (Offered Fall and Spring)

740:003. German Communication Practice I -- 2 hrs.

(GER 1011)

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): 740:001 (GER 1001). (Offered Fall and Spring)

740:004. German Communication Practice II -- 2 hrs.

(GER 1012)

Continuation of 740:001 (GER 1001) and 740:003 (GER 1011). Not recommended for students who have had three or more years of German in high school or equivalent. Prerequisite(s): 740:001 (GER 1001); 740:003 (GER 1011); or equivalents. Corequisite(s): 740:002 (GER 1002). (Offered Fall and Spring)

740:011. German Language and Culture III -- 3 hrs.

(GER 2001)

Intermediate language course. Continued development of language skills. Review of essential German grammar. Discussion of cultural issues related to German-speaking countries. Prerequisite(s): 740:002 (GER 1002); 740:004 (GER 1012); or equivalents. (Offered Fall)

740:012. German Communication Practice III -- 2 hrs.

(GER 2011)

Practice of language skills at intermediate level, including use of lab components. Prerequisite(s): 740:002 (GER 1002); 740:004 (GER 1012); or equivalents. (Offered Fall)

740:013. German Language and Culture IV -- 3 hrs.

(GER 2002)

Continuation of 740:011 (GER 2001) and 740:012 (GER 2011). Intermediate language course. Continued development of language skills. Review and expansion of vocabulary and grammatical structures. Discussion of cultural issues related to German-speaking countries. Prerequisite(s): 740:011 (GER 2001); 740:012 (GER 2011); or equivalents. (Offered Spring)

740:014. German Communication Practice IV -- 2 hrs.

(GER 2012)

Continuation of 740:011 (GER 2001) and 740:012 (GER 2011). Practice of language skills at intermediate level, including use of lab components. Prerequisite(s): 740:011 (GER 2001); 740:012 (GER 2011); or equivalents. (Offered Spring)

740:031. Introduction to German Literature in Translation -- 3 hrs.

(GER 1120)

Understanding and appreciating basic terms of German language literatures in English translation through close reading of literary texts. (Variable)

740:100. Teaching German in the Elementary Schools -- 1 hr.

(GER 3000)

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)

740:101(g). German Writing Practice -- 2-3 hrs.

(GER 3001/GER 5001)

Development of writing skills and grammar review. Prerequisite(s): 740:013 (GER 2002); 740:014 (GER 2012); junior standing. (Variable)

740:102(g). Advanced Composition and Grammar Review -- 2-3 hrs.

(GER 3002/GER 5002)

Improvement of writing skills through composition, in-class grammar review, and individual tutorial sessions.

Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): 740:013 (GER 2002); 740:014 (GER 2012); or equivalents. (Variable)

740:103(g). German Conversation -- 2-3 hrs.

(GER 3003/GER 5003)

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): 740:013 (GER 2002); 740:014 (GER 2012); or equivalents; junior standing. (Variable)

740:104(g). Introduction to German Literature -- 3 hrs.

(GER 3004/GER 5004)

Selected major works of representative German authors. Application of language skills to literary analysis and introduction to critical theories.

Prerequisite(s): 740:013 (GER 2002); 740:014 (GER 2012); or equivalents; junior standing. (Variable)

740:105(g). Advanced German Communication -- 3 hrs.

(GER 3005/GER 5005)

Further development of speaking, writing, reading, and listening skills through the study of German language media.

Prerequisite(s): 740:101 (GER 3001/GER 5001) or 740:103 (GER 3003/GER 5003) or equivalents; junior standing. (Variable)

740:111. Business German -- 3 hrs.

(GER 2051)

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): 740:011 (GER 2001); 740:012 (GER 2011); or consent of instructor. (Variable)

740:116(g). Modern Literature and Culture -- 3 hrs.

(GER 3016/GER 5016)

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): 740:101 (GER 3001/GER 5001) or equivalent. (Variable)

740:121(g). Special Topics in Language and Culture -- 3 hrs.

(GER 4021/GER 5021)

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): 740:101 (GER 3001/GER 5001); 740:104 (GER 3004/GER 5004); or equivalents; junior standing. (Variable)

740:122(g). Special Topics in Literature -- 3 hrs.

(GER 4022/GER 5022)

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): 740:101 (GER 3001/GER 5001); 740:104 (GER 3004/GER 5004); or equivalents; junior standing. (Variable)

740:123(g). Cultural History of German-Speaking Countries -- 3 hrs.

(GER 4023/GER 5023)

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): 740:101 (GER 3001/GER 5001) or equivalent. (Variable)

740:130. Folklore and Myths in German Literature -- 3 hrs.

(GER 4030)

Literary study of forms and functions of folklore and myths in German language literature. Forms, functions, and influences on culture over time. Prerequisite(s): 740:101 (GER 3001/GER 5001) or 740:103 (GER 3003/GER 5003). (Variable)

740:132. The German-American Experience -- 3 hrs.

(GER 3032)

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)

740:134. German Literature and Cinema -- 3 hrs.

(GER 3034)

Study of cinematic adaptations of various literary works, and an introduction to major achievements in German cinematic history. Prerequisite(s): 740:101 (GER 3001/GER 5001) or 740:103 (GER 3003/GER 5003) or equivalents. (Variable)

740:136. Current Events in the German-Language Media -- 3 hrs.

(GER 3036)

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): 740:101 (GER 3001/GER 5001) or 740:103 (GER 3003/GER 5003). (Variable)

740:148. The Holocaust in Literature and Film -- 3 hrs.

(GER 3048)

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:148 (CAP 3148)*) (Variable)

740:150(g). Contemporary Germany and Austria -- 3 hrs.

(GER 4050/GER 5050)

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): 740:101 (GER 3001/GER 5001) or equivalent. (Variable)

740:160(g). German Language: Its History and Current Trends -- 3 hrs.

(GER 4060/GER 5060)

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): 740:101 (GER 3001/GER 5001) or equivalent. (Variable)

740:185(g). Introduction to Translation -- 3 hrs.

(GER 4085/GER 5085)

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): 740:101 (GER 3001/GER 5001) or equivalent; junior standing. (Variable)

740:191. Practicum in Teaching German -- 1-4 hrs.

(GER 4091)

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): 740:101 (GER 3001/GER 5001). Prerequisite(s) or corequisite(s): 700:190 (LANG 4090/LANG 5090). (Variable)

740:201. Academic Writing and Research Strategies in German -- 3 hrs.

(GER 6001)

Development of discipline-specific writing and research skills, including investigation into grammatical structures and stylistic problems in the study of German. (Variable)

740:225. Translation Strategies -- 3 hrs.

(GER 6025)

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)

740:250. German Literature in Review -- 3 hrs.

(GER 6050)

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)

740:289. Seminar -- 3 hrs.

(GER 6289)

Critical investigation into special topics emphasizing cultural and literary issues within the discipline. (Variable)

2010-2012 UNI Catalog 770 Russian (SLAV)

770:001. Elementary Russian Language and Culture I -- 3 hrs.

(SLAV 1001)

Basic skills of listening comprehension, reading, speaking and writing. Introduction to Russian and Soviet culture. Corequisite(s): 770:003 (SLAV 1011). (Offered Fall)

770:002. Elementary Russian Language and Culture II -- 3 hrs.

(SLAV 1002)

Continuation of 770:001 (SLAV 1001). Prerequisite(s): 770:001 (SLAV 1001); 770:003 (SLAV 1011); or equivalents. Corequisite(s): 770:004 (SLAV 1012). (Offered Spring)

770:003. Elementary Russian Practice I -- 2 hrs.

(SLAV 1011)

Practice of basic language skills through guided exercises and activities, including use of lab components. Corequisite(s): 770:001 (SLAV 1001). (Offered Fall)

770:004. Elementary Russian Practice II -- 2 hrs.

(SLAV 1012)

Continuation of 770:003 (SLAV 1011). Prerequisite(s): 770:001 (SLAV 1001); 770:003 (SLAV 1011). Corequisite(s): 770:002 (SLAV 1002). (Offered Spring)

770:011. Intermediate Russian Language and Culture I -- 3 hrs.

(SLAV 2001)

Continued development of basic skills with further enlargement of vocabulary. Prerequisite(s): 770:002 (SLAV 1002); 770:004 (SLAV 1012); or equivalents. Corequisite(s): 770:013 (SLAV 2011). (Offered Fall)

770:012. Intermediate Russian Language and Culture II -- 3 hrs.

(SLAV 2002)

Continues grammar study and emphasizes vocabulary building through readings and discussions. Prerequisite(s): 770:011 (SLAV 2001); 770:013 (SLAV 2011); or equivalents. Corequisite(s): 770:014 (SLAV 2012). (Offered Spring)

770:013. Intermediate Russian Practice I -- 2 hrs.

(SLAV 2011)

Practice of Russian to enhance fluency, flexibility, and accuracy in all skills, including use of lab components. Prerequisite(s): 770:002 (SLAV 1002); 770:004 (SLAV 1012). Corequisite(s): 770:011 (SLAV 2001). (Offered Fall)

770:014. Intermediate Russian Practice II -- 2 hrs.

(SLAV 2012)

Continuation of 770:013 (SLAV 2011). Prerequisite(s): 770:011 (SLAV 2001); 770:013 (SLAV 2011). Corequisite(s): 770:012 (SLAV 2002). (Offered Spring)

770:031. Introduction to Russian Literature in Translation -- 3 hrs.

(SLAV 1120)

Understanding and appreciating basic forms of Russian language literature in English translation through close reading of literary texts. (Variable)

770:091. Bilingual Pre-Practicum -- 1-6 hrs.

(SLAV 3091)

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. (Offered Fall and Spring)

770:101(g). Advanced Russian Language and Culture I -- 3 hrs.

(SLAV 3101/SLAV 5101)

Completes grammar study and emphasizes vocabulary building through readings and discussion of expository prose. May be repeated once for undergraduate credit. Prerequisite(s): [770:012](#) (SLAV 2002) or equivalent; junior standing. (Offered Fall)

770:102(g). Introduction to Russian Literature I -- 3 hrs.

(SLAV 3111/SLAV 5111)

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)

770:103(g). Advanced Russian Language and Culture II -- 3 hrs.

(SLAV 3102/SLAV 5102)

Continuation of [770:101](#) (SLAV 3101/SLAV 5101). May be repeated once for undergraduate credit. Prerequisite(s): [770:101](#) (SLAV 3101/SLAV 5101) or equivalent; junior standing. (Offered Spring)

770:104(g). Introduction to Russian Literature II -- 3 hrs.

(SLAV 3112/SLAV 5112)

Continuation of [770:102](#) (SLAV 3111/SLAV 5111). Introduction to literature of the Silver Age, pre- and post-revolutionary periods, and post-Soviet period. In English. Prerequisite(s): junior standing. (Variable)

770:121(g). Special Topics in Language and Culture -- 2-3 hrs.

(SLAV 3121/SLAV 5121)

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): [770:101](#) (SLAV 3101/SLAV 5101). (Variable)

770:122(g). Special Topics in Literature -- 2-3 hrs.

(SLAV 3131/SLAV 5131)

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): [770:101](#) (SLAV 3101/SLAV 5101). (Variable)

770:132(g). Nineteenth Century Russian Short Fiction -- 3 hrs.

(SLAV 3132/SLAV 5132)

Representative short fiction from Sentimentalism to Realism. Prerequisite(s): [770:103](#) (SLAV 3102/SLAV 5102) or equivalent; junior standing. (Variable)

770:134(g). Twentieth Century Russian Literature -- 3 hrs.

(SLAV 3134/SLAV 5134)

Selections from Russian Symbolism, pre- and post-revolutionary literature to present. Prerequisite(s): [770:103](#) (SLAV 3102/SLAV 5102) or equivalent; junior standing. (Variable)

770:141(g). Russian Culture and Civilization I -- 3 hrs.

(SLAV 4141/SLAV 5141)

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): [770:103](#) (SLAV 3102/SLAV 5102); junior standing. (Variable)

770:142(g). Russian Culture and Civilization II -- 3 hrs.

(SLAV 4142/SLAV 5142)

Continuation of [770:141](#) (SLAV 4141/SLAV 5141). Lectures and readings from the mid-18th century to present. Prerequisite(s): [770:103](#) (SLAV 3102/SLAV 5102) or equivalent; junior standing. (Variable)

770:191. Practicum in Teaching Russian -- 1-3 hrs.

(SLAV 4091)

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): 770:101 (SLAV 3101/SLAV 5101).

Corequisite(s): 700:190 (LANG 4090/LANG 5090). (Variable)

770:196. Senior Seminar -- 3 hrs.

(SLAV 4196)

Various themes/topics offered. Topic listed in Schedule of Classes. Prerequisite(s): 770:103 (SLAV 3102/SLAV 5102). (Variable)

2010-2012 UNI Catalog 780 Spanish (SPAN)

780:001. Elementary Spanish I -- 5 hrs.

(SPAN 1001)

For beginners. Not recommended for students who have had two or more years of Spanish in high school or the equivalent. (Offered Fall, Spring, and Summer)

780:002. Elementary Spanish II -- 5 hrs.

(SPAN 1002)

Continuation of 780:001 (SPAN 1001). Not recommended for students who have had three or more years of Spanish in high school or the equivalent. Prerequisite(s): 780:001 (SPAN 1001) or equivalent. (Offered Fall, Spring, and Summer)

780:011. Intermediate Spanish -- 5 hrs.

(SPAN 2001)

Thorough review of essential Spanish grammar; enlarges vocabulary and augments the skills of listening, reading, writing, speaking, and cultural awareness. Prerequisite(s): 780:002 (SPAN 1002) or equivalent. (Offered Fall and Spring)

780:053. Spanish for Special Purposes: _____ -- 2-3 hrs.

(SPAN 2053)

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): 780:011 (SPAN 2001) or equivalent. (Offered Fall and Spring)

780:055. Oral and Written Spanish -- 3 hrs.

(SPAN 2002)

Development of communication skills, culturally, orally, and in written form through selected readings, discussions, and exercises. Prerequisite(s): 780:011 (SPAN 2001) or equivalent. (Offered Fall and Spring)

780:100. Teaching Spanish in the Elementary School -- 1 hr.

(SPAN 3000)

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): 780:055 (SPAN 2002) and consent of instructor. (Offered Fall)

780:101. Advanced Writing -- 3 hrs.

(SPAN 3001)

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): 780:055 (SPAN 2002) or equivalent. (Offered Fall and Spring)

780:102(g). Advanced Spanish for Special Purposes: _____ -- 2-3 hrs.

(SPAN 3002/SPAN 5002)

Enhance speaking, writing, and cultural skills for particular professional or occupational situations. Prerequisite(s): 780:053 (SPAN 2053) or 780:055 (SPAN 2002) or equivalent; junior standing. (Variable)

780:103. Advanced Conversation and Reading -- 3 hrs.

(SPAN 3003)

Further development of oral fluency. Conversation on current issues. Extensive vocabulary enhancement through readings and multimedia materials. Prerequisite(s): 780:055 (SPAN 2002) or equivalent. (Variable)

780:104. Introduction to Hispanic Literature -- 3 hrs.

(SPAN 3004)

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): [780:101](#) (SPAN 3001) or [780:150](#) (SPAN 3050/SPAN 5050) or equivalent. (Offered Fall and Spring)

780:105. Literary Miniatures -- 3 hrs.

(SPAN 3005)

Introduction to analysis of short literary forms with application to pedagogy and translation of literature.

Recommended for teaching majors. Prerequisite(s): [780:101](#) (SPAN 3001) or [780:150](#) (SPAN 3050/SPAN 5050) or equivalent. (Variable)

780:107. Introduction to Translation -- 3 hrs.

(SPAN 3007)

Basic considerations regarding theoretical and applied translation and role of contrastive grammar in translation.

Prerequisite(s): [780:101](#) (SPAN 3001) or [780:150](#) (SPAN 3050/SPAN 5050) or equivalent. (Offered Fall and Spring)

780:108(g). Introduction to Spanish Linguistics -- 2-3 hrs.

(SPAN 3008/SPAN 5008)

Survey of the basic concepts of modern linguistics, as illustrated through Spanish phonology, morphology, syntax, and semantics. Prerequisite(s): [780:101](#) (SPAN 3001) or [780:150](#) (SPAN 3050/SPAN 5050) or equivalent; junior standing. (Offered Fall and Spring)

780:112. Survey of Spanish American Literature -- 3 hrs.

(SPAN 3012)

Overview of Spanish American literature through works of representative authors of different periods and genres.

Prerequisite(s): [780:104](#) (SPAN 3004) or [780:105](#) (SPAN 3005) or equivalent. (Offered Spring)

780:118. Survey of Spanish Literature -- 3 hrs.

(SPAN 3018)

Overview of Spanish literature through works of representative authors of different periods and genres.

Prerequisite(s): [780:104](#) (SPAN 3004) or [780:105](#) (SPAN 3005) or equivalent. (Offered Fall)

780:120. Latin American Culture and Civilization -- 3 hrs.

(SPAN 3020)

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): [780:101](#) (SPAN 3001) or [780:150](#) (SPAN 3050/SPAN 5050) or equivalent. (Variable)

780:123. Culture and Civilization of Spain -- 3 hrs.

(SPAN 3023)

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): [780:101](#) (SPAN 3001) or [780:150](#) (SPAN 3050/SPAN 5050) or equivalent. (Variable)

780:127. Latinos in the United States -- 3 hrs.

(SPAN 3027)

Major issues confronting Latinos living in the U.S.: history, immigration, economics, literary, and cinematographic representation. Prerequisite(s): [780:101](#) (SPAN 3001) or [780:150](#) (SPAN 3050/SPAN 5050) or equivalent. (Variable)

780:131. Topics in Spanish American Literature and Culture: -- 3 hrs.

(SPAN 3031)

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): [780:112](#) (SPAN 3012) or [780:118](#) (SPAN 3018). (Variable)

780:135. Topics in Literature and Culture of Spain: -- 3 hrs.

(SPAN 3035)

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): 780:112 (SPAN 3012) or 780:118 (SPAN 3018). (Variable)

780:141(g). Hispanic Cultures: Film and Multimedia -- 3 hrs.

(SPAN 4041/SPAN 5041)

Development of language, cultural and critical skills through Spanish language media (e.g., print, radio, television, film, and computer-based communications). Prerequisite(s): 780:101 (SPAN 3001) or 780:150 (SPAN 3050/SPAN 5050) or equivalent; junior standing. (Variable)

780:143(g). Pronunciation and Oral Proficiency -- 2-3 hrs.

(SPAN 4043/SPAN 5043)

Practice in pronunciation with focus on oral proficiency. Prerequisite(s): 780:108 (SPAN 3008/SPAN 5008) or equivalent; junior standing. (Variable)

780:145(g). Translation -- 2-3 hrs.

(SPAN 4045/SPAN 5045)

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): 780:107 (SPAN 3007) or equivalent; junior standing. (Variable)

780:146(g). Topics in Language and Culture: _____ -- 3 hrs.

(SPAN 4046/SPAN 5046)

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): 780:101 (SPAN 3001) or 780:150 (SPAN 3050/SPAN 5050); junior standing. (Variable)

780:147(g). Structure of Spanish -- 2-3 hrs.

(SPAN 4047/SPAN 5047)

Study of Spanish syntax using current linguistic theories. Prerequisite(s): 780:108 (SPAN 3008/SPAN 5008) or equivalent; junior standing. (Variable)

780:150(g). Written Communication -- 3 hrs.

(SPAN 3050/SPAN 5050)

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. (Offered Fall, Spring, and Summer)

780:151(g). Advanced Oral Communication -- 3 hrs.

(SPAN 3051/SPAN 5051)

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. (Offered Fall, Spring, and Summer)

780:152(g). Contemporary Hispanic Culture -- 3-5 hrs.

(SPAN 3052/SPAN 5052)

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. (Offered Fall, Spring, and Summer)

780:162(g). Spanish American Literature: _____ -- 2-3 hrs.

(SPAN 4062/SPAN 5062)

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): 780:112 (SPAN 3012) or 780:118 (SPAN 3018) or equivalent; junior standing. (Variable)

780:163(g). Peninsular Literature: _____ -- 2-3 hrs.

(SPAN 4063/SPAN 5063)

Study of Peninsular literature by genre, period, theme, or author. Topic listed in Schedule of Classes. May be repeated on different topic. Prerequisite(s): 780:112 (SPAN 3012) or 780:118 (SPAN 3018) or equivalent; junior standing. (Variable)

780:164(g). Hispanic Literature: _____ -- 2-3 hrs.

(SPAN 4064/SPAN 5064)

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): 780:112 (SPAN 3012) or 780:118 (SPAN 3018) or equivalent; junior standing. (Variable)

780:166(g). Topics in Literature and Culture: _____ -- 2-3 hrs.

(SPAN 4066/SPAN 5066)

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): 780:112 (SPAN 3012) or 780:118 (SPAN 3018) or equivalent; junior standing. (Variable)

780:184(g). Spanish Summer Symposium: (Topic) -- 1-6 hrs.

(SPAN 3084/SPAN 5084)

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): 780:101 (SPAN 3001) or equivalent; junior standing. (Offered Summer)

780:191. Practicum in Teaching Spanish -- 1-4 hrs.

(SPAN 4091)

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): 780:101 (SPAN 3001). Corequisite(s): 700:190 (LANG 4090/LANG 5090). (Offered Spring)

780:201. Literature and Critical Theory -- 2-3 hrs.

(SPAN 6001)

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)

780:221. Hispanic Culture and Literature: _____ -- 2-3 hrs.

(SPAN 6021)

Investigation into Hispanic cultures and civilizations as a product of their history and current environment. May be repeated twice on different topic. (Variable)

780:231. Cervantes -- 3 hrs.

(SPAN 6031)

Intensive study of *Don Quijote*. (Variable)

780:235. Golden Age Literature -- 2-3 hrs.

(SPAN 6035)

Outstanding literary works of the Renaissance and Baroque eras. (Variable)

780:240. Analysis of Spanish -- 2-3 hrs.

(SPAN 6040)

Advanced study of current syntactic theories applied to topics relevant to Spanish. Prerequisite(s): 780:108 (SPAN 3008/SPAN 5008) or consent of instructor. (Variable)

780:241. Old Spanish -- 2-3 hrs.

(SPAN 6041)

Literary and linguistic study of selected early works. Prerequisite(s): 780:108 (SPAN 3008/SPAN 5008) or consent of instructor (Variable)

780:245. Translation Techniques -- 2-3 hrs.

(SPAN 6045)

Contemporary theories and strategies in translation. Prerequisite(s): 780:145 (SPAN 4045/SPAN 5045) or equivalent translation skills. (Variable)

780:252. Topics in Language and Culture: _____ -- 1-3 hrs.

(SPAN 6052)

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)

780:260. Spanish American Literature: _____ -- 2-3 hrs.

(SPAN 6060)

Study of Spanish American literature by genre, period, theme, and/or author. May be repeated on different topic. (Variable)

780:261. Spanish Literature: _____ -- 2-3 hrs.

(SPAN 6061)

Study of Spanish literature by period, theme, and/or author. May be repeated on different topic. (Variable)

780:262. Comparative Hispanic Literatures: _____ -- 3 hrs.

(SPAN 6062)

Comparative analysis of Spanish and Spanish American literature thematically, structurally, and/or stylistically. (Variable)

780:284. Spanish Graduate Summer Symposium: (Topic) -- 1-6 hrs.

(SPAN 6084)

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): 780:101 (SPAN 3001) or equivalent. (Offered Summer)

780:289. Seminar: _____ -- 2-3 hrs.

(SPAN 6289)

Various topics offered in areas of literature, culture, and language. Topic listed in Schedule of Classes. May be repeated on different topic. (Variable)

2010-2012 UNI Catalog
790 Portuguese (PORT)

790:001. Basic Portuguese Language and Culture -- 3 hrs.

(PORT 1001)

Essential language and cultural forms. Corequisite(s): 790:010 (PORT 1010). (Offered Fall and Spring)

790:002. Intermediate Portuguese Studies -- 3 hrs.

(PORT 1002)

Communication skills for routine situations. Prerequisite(s): 790:001 (PORT 1001). Corequisite(s): 790:020 (PORT 1020). (Offered Spring)

790:010. Portuguese Practice -- 2 hrs.

(PORT 1010)

Practice of basic language skills and cultural literacy with live and electronic tutors. Corequisite(s): 790:001 (PORT 1001). (Offered Fall and Spring)

790:020. Portuguese Laboratory -- 2 hrs.

(PORT 1020)

Establishing situational language skills with live and electronic tutors. Prerequisite(s): 790:001 (PORT 1001); 790:010 (PORT 1010). Corequisite(s): 790:002 (PORT 1002). (Offered Spring)

790:031. Introduction to Portuguese and Hispanic Literatures in Translation -- 3 hrs.

(PORT 1031)

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)

790:060. Portuguese Language and Culture Studio -- 2-4 hrs.

(PORT 1060)

Authentic and creative language skills, cultural communications, and clinicals with live and electronic tutors. Prerequisite(s): 790:002 (PORT 1002), 790:020 (PORT 1020), or consent of instructor. (Variable)

790:101(g). Advanced Portuguese Communications -- 3 hrs.

(PORT 3101/PORT 5101)

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): 790:060 (PORT 1060) or consent of instructor; junior standing. (Variable)

790:109. Bilingual Experiential Learning -- 1-4 hrs.

(PORT 3109)

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. (Offered Fall and Spring)

790:123(g). Multimedia Studies in Culture -- 2-3 hrs.

(PORT 3123/PORT 5123)

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: 790:101 (PORT 3101/PORT 5101) or consent of instructor. Prerequisite(s) for non-majors and non-minors: consent of instructor. (Variable)

790:180(g). Topics in _____ -- 3 hrs.

(PORT 3180/PORT 5180)

Advanced study of various topics in language, cultures, and literatures of Portuguese-speaking world. May be repeated on different topic. Prerequisite(s): 790:101 (PORT 3101/PORT 5101) or equivalent; junior standing. (Variable)

790:191. Practicum in Teaching Portuguese -- 1-4 hrs.

(PORT 3191)

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): 790:060 (PORT 1060) or consent of instructor
Prerequisite(s) or corequisite(s): 700:190 (LANG 4090/LANG 5090) (Variable)

2010-2012 UNI Catalog
800 Mathematics

TO MEET ANY COURSE PREREQUISITE, GRADE OF C- OR HIGHER IS REQUIRED IN THE PREREQUISITE COURSE.

800:004. Intermediate Algebra -- 3 hrs.

(MATH 0100)

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. (Offered Fall and Spring)

800:023. Mathematics in Decision Making -- 3 hrs.

(MATH 1100)

Selection of mathematical topics and their applications with an emphasis on mathematical reasoning. Topics include probability and statistics. (Offered Fall, Spring, and Summer)

800:031. Mathematical Reasoning for Teaching I -- 3 hrs.

(MATH 1201)

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. (Offered Fall and Spring)

800:037. Technology for Elementary School Mathematics Teachers -- 3 hrs.

(MATH 1210)

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. (Offered Fall and Spring)

800:043. Analysis for Business Students -- 3 hrs.

(MATH 1110)

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 800:046 (MATH 1140) or 800:056 (MATH 1120). (Offered Fall and Spring)

800:044. Trigonometry -- 2 hrs.

(MATH 1130)

Trigonometric functions, solution of triangles and applications of simple harmonic motions, polar coordinates, and vectors. No credit for students with credit in 800:046 (MATH 1140). (Offered Fall and Spring)

800:046. Precalculus -- 4 hrs.

(MATH 1140)

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 800:043 (MATH 1110) or 800:056 (MATH 1120), and to 2 hours for students with credit in 800:044 (MATH 1130). (Offered Fall and Spring)

800:048. Calculus for Technology -- 4 hrs.

(MATH 1150)

Survey of analytic geometry and elementary calculus with emphasis on applications. May not be applied to Mathematics major or minor. Prerequisite(s): 800:046 (MATH 1140) or consent of instructor. (Offered Spring)

800:056. Mathematics for Biological Sciences -- 3 hrs.

(MATH 1120)

Proportional reasoning, linear functions and linear regression, exponential functions, and logarithmic functions with scientific applications. No credit for students with credit in 800:043 (MATH 1110) or 800:046 (MATH 1140). (Offered Fall and Spring)

800:060. Calculus I -- 4 hrs.

(MATH 1420)

The derivatives and integrals of elementary functions and their applications. Prerequisite(s): 800:046 (MATH 1140), or 800:043 (MATH 1110) and 800:044 (MATH 1130), or equivalent. (Offered Fall and Spring)

800:061. Calculus II -- 4 hrs.

(MATH 1421)

Continuation of 800:060 (MATH 1420). Prerequisite(s): C- or better in 800:060 (MATH 1420). (Offered Fall and Spring)

800:062. Calculus III -- 4 hrs.

(MATH 2422)

Continuation of 800:061 (MATH 1421). Prerequisite(s): C- or better in 800:061 (MATH 1421). (Offered Fall and Spring)

800:064. Introductory Statistics for Life Sciences -- 3 hrs.

(STAT 1774)

Descriptive statistics, basic probability concepts, confidence intervals, hypothesis testing, correlation and regression, elementary concepts of survival analysis. No credit for students with credit in 800:072 (STAT 1772). (Offered Fall and Spring)

800:072. Introduction to Statistical Methods -- 3 hrs.

(STAT 1772)

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 800:064 (STAT 1774). Students with credit in 800:172 (STAT 3770/STAT 5770) should not enroll in 800:072 (STAT 1772). (Offered Fall, Spring, and Summer)

800:076. Linear Algebra for Applications -- 3 hrs.

(MATH 2500)

Gaussian elimination; matrix algebra; vector spaces, kernels, and other subspaces; orthogonal projection; eigenvalues and eigenvectors. Prerequisite(s): 800:060 (MATH 1420). (Offered Fall and Spring)

800:090. Mathematical Problem Solving -- 1 hr.

(MATH 1900)

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. (Offered Fall and Spring)

800:095. Exploring Mathematics Teaching -- 1 hr.

(MATH 1300)

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. (Offered Fall and Spring)

800:096. Technology and Programming for Secondary Mathematics Teachers -- 3 hrs.

(MATH 1310)

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): 800:060 (MATH 1420). (Offered Fall)

800:111(g). Introduction to Algebraic Thinking for Elementary Teachers -- 4 hrs.

(MATH 3211/MATH 5211)

Investigation of problems involving patterns, variables, relations, functions, and their graphs. Exploration and representation of these problems using physical models and technology. Prerequisite(s): [800:031](#) (MATH 1201); junior standing. (Offered Fall and Spring)

800:112(g). Introduction to Geometry and Measurement for Elementary Teachers -- 3 hrs.

(MATH 3212/MATH 5212)

Van Hiele levels of thinking. Investigation of two- and three-dimensional concepts, rigid transformations, symmetry, and spatial sense. Prerequisite(s): [800:031](#) (MATH 1201); [800:037](#) (MATH 1210); [800:131](#) (MATH 3202); junior standing. (Offered Fall and Spring)

800:113(g). Topics in Mathematics for Grades K-8 -- 3 hrs.

(MATH 3213/MATH 5213)

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): [800:031](#) (MATH 1201); [800:037](#) (MATH 1210); [800:131](#) (MATH 3202); junior standing. (Offered Fall and Spring)

800:114(g). Problem Solving in Mathematics for Elementary Teachers -- 4 hrs.

(MATH 3214/MATH 5214)

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): [800:134](#) (MATH 3203); at least one of [800:111](#) (MATH 3211/MATH 5211), [800:112](#) (MATH 3212/MATH 5212), [800:113](#) (MATH 3213/MATH 5213); junior standing. (Offered Fall and Spring)

800:121(g). Applied Statistical Methods for Research -- 3 hrs.

(STAT 3771/STAT 5771)

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): [800:064](#) (STAT 1774) or [800:072](#) (STAT 1772); junior standing. (Offered Fall and Spring)

800:122(g). Statistical Computing -- 3 hrs.

(STAT 4772/STAT 5772)

Use of statistical software such as SAS, SPSS, S-Plus, Minitab. Data management, graphical techniques and data analysis, computer-intensive statistical methods. Prerequisite(s): [800:064](#) (STAT 1774) or [800:072](#) (STAT 1772); junior standing. (Variable)

800:123(g). Design and Analysis of Experiments -- 3 hrs.

(STAT 4773/STAT 5773)

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): [800:121](#) (STAT 3771/STAT 5771) or consent of instructor; junior standing. (Variable)

800:125(g). Geometric Modeling for CAD -- 3 hrs.

(MATH 4742/MATH 5742)

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): [800:062](#) (MATH 2422); [800:076](#) (MATH 2500); junior standing. (Variable)

800:131. Mathematical Reasoning for Teaching II -- 3 hrs.

(MATH 3202)

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): [800:031](#) (MATH 1201); UNI and cumulative GPA of 2.50 or better; junior standing. (Offered Fall and Spring)

800:134. Teaching Mathematics in the Elementary School -- 3 hrs.

(MATH 3203)

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): [800:131](#) (MATH 3202); UNI and cumulative GPA of 2.50 or better; full admission to teacher education is required. (Offered Fall, Spring, and Summer)

800:140(g). Intermediate Mathematical Analysis I -- 3 hrs.

(MATH 4420/MATH 5420)

Algebraic and topological structure of the reals; limits and continuity; theory of differentiability of functions of a single real variable. Prerequisite(s): [800:062](#) (MATH 2422); [800:076](#) (MATH 2500); junior standing. (Offered Fall)

800:141(g). Intermediate Mathematical Analysis II -- 3 hrs.

(MATH 4421/MATH 5421)

Riemann integration; sequences and series of functions; introduction to Lebesgue integration. Prerequisite(s): [800:140](#) (MATH 4420/MATH 5420); junior standing. (Offered Spring)

800:142(g). Dynamical Systems: Chaos Theory and Fractals -- 3 hrs.

(MATH 3410/MATH 5410)

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): [800:061](#) (MATH 1421); [800:076](#) (MATH 2500); junior standing. (Variable)

800:143(g). Combinatorics -- 3 hrs.

(MATH 3530/MATH 5530)

Various ways to enumerate elements of a set and graph theory. Appropriate for mathematics, mathematics education, computer science, and actuarial science students. Prerequisite(s): [800:060](#) (MATH 1420) or [810:080](#) (CS 1800); junior standing. (Offered Fall and Spring)

800:144(g). Elementary Number Theory -- 3 hrs.

(MATH 4510/MATH 5510)

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): [800:160](#) (MATH 4500/MATH 5500); junior standing. (Offered Odd Falls and Spring)

800:145(g). Mathematics of Finance -- 3 hrs.

(MATH 3780/MATH 5780)

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. (*Same as ACT SCI 3780/5780*)

Prerequisite(s): [800:060](#) (MATH 1420); junior standing. (Offered Fall and Spring)

800:146. Actuarial Examination Preparation -- 1-3 hrs.

(ACT SCI 3731)

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. (Offered Fall and Spring)

800:149(g). Differential Equations -- 3 hrs.

(MATH 3425/MATH 5425)

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): [800:062](#) (MATH 2422); [800:076](#) (MATH 2500); junior standing. (Offered Fall)

800:150(g). Partial Differential Equations -- 3 hrs.

(MATH 3430/MATH 5430)

Study of applied partial differential equations using heat, wave, and potential equations as basis; Fourier series and integrals; Laplace transformations. Prerequisite(s): [800:149](#) (MATH 3425/MATH 5425); junior standing. (Offered Even Springs)

800:152(g). Introduction to Probability -- 3 hrs.

(MATH 3752/MATH 5752)

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. (*Same as STAT 3752/5752*)

Prerequisite(s): [800:061](#) (MATH 1421); junior standing. (Offered Fall and Spring)

800:153(g). Actuarial Mathematics -- 3 hrs.

(ACT SCI 4735/ACT SCI 5735)

Survival distributions and life tables, life insurance, life annuities, benefit premiums. Prerequisite(s): [800:152](#) (MATH 3752/MATH 5752); junior standing. (Offered Even Falls)

800:154(g). Introduction to Stochastic Processes -- 3 hrs.

(MATH 4754/MATH 5754)

Markov chains, Poisson processes, continuous time Markov chains, renewal processes, Brownian motion and stationary processes. (*Same as STAT 4754/5754*) Prerequisite(s): [800:152](#) (MATH 3752/MATH 5752); junior standing. (Offered Fall)

800:155(g). Differential Geometry -- 3 hrs.

(MATH 3630/MATH 5630)

Analytic study of curves and surfaces in three-dimensional Euclidean space. Prerequisite(s): [800:062](#) (MATH 2422); [800:076](#) (MATH 2500); junior standing. (Offered Odd Springs)

800:156(g). Introduction to Complex Analysis -- 3 hrs.

(MATH 4460/MATH 5460)

Differentiation and integration of functions of a single complex variable; Taylor and Laurent expansions; conformal mapping. Prerequisite(s): [800:062](#) (MATH 2422); junior standing. (Offered Even Springs)

800:157(g). Statistical Quality Assurance Methods -- 3 hrs.

(STAT 4777/STAT 5777)

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): [800:152](#) (MATH 3752/MATH 5752) or consent of instructor; junior standing. (Variable)

800:158(g). Topics in Actuarial Science -- 3 hrs.

(ACT SCI 4739/ACT SCI 5739)

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): [800:152](#) (MATH 3752/MATH 5752); junior standing; consent of instructor. (Offered Spring)

800:160(g). Modern Algebra I -- 3 hrs.

(MATH 4500/MATH 5500)

Introduction to study of algebraic systems. Groups, rings, fields, homomorphisms and isomorphisms. Prerequisite(s): [800:061](#) (MATH 1421) or equivalent; [800:076](#) (MATH 2500); junior standing. (Offered Fall and Spring)

800:162(g). Modern Algebra II -- 3 hrs.

(MATH 4501/MATH 5501)

Basic properties of rings, integral domains and fields. Polynomials over fields, field extensions, straightedge and compass constructions. Prerequisite(s): [800:160](#) (MATH 4500/MATH 5500); junior standing. (Offered Spring)

800:165(g). Modern Geometries -- 3 hrs.

(MATH 3610/MATH 5610)

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): [800:060](#) (MATH 1420) or equivalent; junior standing. (Offered Spring)

800:166(g). Euclidean Geometry -- 3 hrs.

(MATH 3600/MATH 5600)

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): [800:060](#) (MATH 1420) or equivalent; junior standing. (Offered Fall)

800:167(g). Topology I -- 3 hrs.

(MATH 4641/MATH 5641)

Introductory study of metric spaces, completeness, topological spaces, continuous functions, compactness, connectedness, separability, product, and quotient spaces. Prerequisite(s): [800:062](#) (MATH 2422); [800:076](#) (MATH 2500); junior standing. (Offered Even Falls)

800:170(g). Loss Models -- 3 hrs.

(ACT SCI 4788/ACT SCI 5788)

Applied probability methods used in modeling loss. Loss distributions, aggregate loss models, credibility theory and long term models. Prerequisite(s): [800:152](#) (MATH 3752/MATH 5752); [800:174](#) (STAT 3775/STAT 5775); junior standing. (Offered Odd Falls)

800:171(g). Spatial Data Analysis -- 3 hrs.

(STAT 3778/STAT 5778)

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): [800:064](#) (STAT 1774) or [800:072](#) (STAT 1772) or [980:080](#) (SOC 2020); junior standing. (Same as [970:160g](#) (GEOG 4340/5340)) (Offered Odd Springs)

800:172(g). Statistical Methods -- 3 hrs.

(STAT 3770/STAT 5770)

Descriptive statistics; elementary probability; estimation and hypothesis testing from an intuitive approach; use of statistical packages. No credit for students who have credit in [800:064](#) (STAT 1774), [800:072](#) (STAT 1772), or [800:174](#) (STAT 3775/STAT 5775). Prerequisite(s): junior standing. (Variable)

800:173. Probability and Statistics -- 3 hrs.

(MATH 3751)

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 [800:172](#) (STAT 3770/STAT 5770). (Same as STAT 3751)

Prerequisite(s): [800:061](#) (MATH 1421). (Offered Fall and Even Springs)

800:174(g). Introduction to Mathematical Statistics -- 3 hrs.

(STAT 3775/STAT 5775)

Sampling distribution theory, point and interval estimation, Bayesian estimation, statistical hypotheses including likelihood ratio tests and chi-square tests, selected nonparametric methods. Prerequisite(s): [800:062](#) (MATH 2422); [800:152](#) (MATH 3752/MATH 5752); junior standing. (Offered Spring)

800:175(g). Regression Analysis -- 3 hrs.

(STAT 3776/STAT 5776)

Regression analysis, analysis of variance, time series methods. Prerequisite(s): [800:174](#) (STAT 3775/STAT 5775); junior standing. (Offered Fall)

800:176(g). Numerical Analysis -- 3 hrs.

(MATH 3440/MATH 5440)

Theory and application of standard numerical techniques dealing with nonlinear equations, systems of linear equations, interpolation and approximation, numerical differentiation and integration. Prerequisite(s): [800:061](#) (MATH 1421); [800:076](#) (MATH 2500); [810:030](#) (CS 1130) or [810:036](#) (CS 1160) or [810:051](#) (CS 1510) or equivalent; junior standing. (Offered Odd Falls)

800:180(g). History of Mathematics: To the Calculus -- 3 hrs.

(MATH 3640/MATH 5640)

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. (Offered Fall)

800:183. Connections: University Mathematics and the Secondary Curriculum -- 3 hrs.

(MATH 3305)

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): [200:148](#) (EDPSYCH 3148); [250:150](#) (MEASRES 3150). Prerequisite(s) or corequisite(s): [200:017](#) (EDPSYCH 2017); [200:030](#) (EDPSYCH 2030); [200:128](#) (EDPSYCH 3128); [800:188](#) (MATH 3303). (Variable)

800:188. The Teaching of Middle School/Junior High Mathematics -- 3 hrs.

(MATH 3303)

Teaching strategies for grades 5-8; roles of content and methods; participation in a middle school/junior high teaching situation. Prerequisite(s): [200:128](#) (EDPSYCH 3128); [200:148](#) (EDPSYCH 3148); 6 hours of 100/3000/4000-level courses in mathematics. (Offered Fall)

800:189(g). Geometric Transformations -- 3 hrs.

(MATH 4615/MATH 5615)

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): [800:076](#) (MATH 2500); [800:165](#) (MATH 3610/MATH 5610) or [800:166](#) (MATH 3600/MATH 5600); junior standing. (Offered Fall)

800:190. The Teaching of Secondary Mathematics -- 3 hrs.

(MATH 3304)

Teaching strategies for grades 5-12; roles of content and methods; participation in a secondary teaching situation. Prerequisite(s): [200:128](#) (EDPSYCH 3128); [200:148](#) (EDPSYCH 3148); [250:150](#) (MEASRES 3150); [800:160](#) (MATH 4500/MATH 5500); [800:165](#) (MATH 3610/MATH 5610) or [800:166](#) (MATH 3600/MATH 5600); [800:188](#) (MATH 3303). (Offered Spring)

800:191(g). Contemporary Mathematics Curricula -- 1-2 hrs.

(MATH 3205/MATH 5205)

Study and evaluation of innovative curriculum materials. Focus on early elementary, middle grades, or high school curriculum. May be repeated for a different curriculum level with consent of department. Prerequisite(s): [800:134](#) (MATH 3203) or [800:188](#) (MATH 3303) or [800:190](#) (MATH 3304); junior standing. (Offered Summer)

800:192. Mathematics for Elementary Students with Special Needs -- 1 hr.

(MATH 3215)

Assessing, designing, and providing appropriate mathematical tasks for students with special needs.

Prerequisite(s): [800:134](#) (MATH 3203) or [800:190](#) (MATH 3304). (Offered Fall and Spring)

800:194. Senior Mathematics Seminar -- 1 hr.

(MATH 4900)

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. (Offered Fall and Spring)

800:195. Undergraduate Research in Mathematics -- 3 hrs.

(MATH 4990)

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. (Offered Fall and Spring)

800:196(g). Applied Multivariate Statistical Analysis -- 3 hrs.

(STAT 4779/STAT 5779)

Multivariate normal distribution, tests of significance with multivariate data, discrimination and classification, clustering, principal components, canonical correlations, use of statistical computer packages. Prerequisite(s): [800:076](#) (MATH 2500); [800:174](#) (STAT 3775/STAT 5775); junior standing. (Variable)

800:197(g). Introduction to Financial Engineering -- 3 hrs.

(ACT SCI 4785/ACT SCI 5785)

Financial derivatives, option pricing, Binomial model, Black-Scholes formula, Greeks and hedging, introduction to stochastic calculus, financial model simulation, Monte-Carlo valuation. Prerequisite(s): [800:152](#) (MATH 3752/MATH 5752); junior standing. (Offered Spring)

800:198. Independent Study.

(MATH 4198)

(Variable)

800:201. Mathematical Analysis I -- 3 hrs.

(MATH 6420)

Set theory; the real number system; Lebesgue measure; Lebesgue integral. Prerequisite(s): [800:140](#) (MATH 4420/MATH 5420). Corequisite(s): [800:141](#) (MATH 4421/MATH 5421) or consent of instructor. (Offered Odd Springs)

800:202. Mathematical Analysis II -- 3 hrs.

(MATH 6421)

Differentiation and integration; classical Banach spaces; metric spaces; general measure and integration theory. Prerequisite(s): [800:201](#) (MATH 6420). (Offered Spring)

800:203. Complex Analysis I -- 3 hrs.

(MATH 6460)

Analyticity; differentiation and integration of functions of one complex variable; power series, Laurent series; calculus of residues. Prerequisite(s): [800:140](#) (MATH 4420/MATH 5420); [800:156](#) (MATH 4460/MATH 5460); or consent of instructor. (Offered Spring)

800:204. Complex Analysis II -- 3 hrs.

(MATH 6461)

Analytic continuation; harmonic functions; entire functions; conformal mapping; selected applications.
Prerequisite(s): [800:203](#) (MATH 6460). (Variable)

800:210. Theory of Numbers -- 3 hrs.

(MATH 6510)

Mathematical study of integers: induction, divisibility, prime numbers, congruences, quadratic reciprocity, multiplicative functions. (Variable)

800:211. Teaching Algebra in the Middle Grades -- 2 hrs.

(MATH 6212)

Examination of literature and students' thinking related to algebraic concepts. Curriculum issues, teaching strategies, and implications of technology. Prerequisite(s): [800:215](#) (MATH 6205) or consent of department. (Offered Summer)

800:213. Selected Topics in Mathematics for the Middle Grades -- 2 hrs.

(MATH 6213)

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)

800:214. Mathematical Problem Solving in the Middle Grades -- 1 hr.

(MATH 6214)

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)

800:215. Teaching Rational Numbers -- 2 hrs.

(MATH 6205)

Examination of literature, problems, and issues related to teaching fractions, decimals, ratios, proportion, and percent in grades 4-8. Exploration of innovative strategies for developing concepts, skills, and proportional reasoning. Implications of research and reform recommendations for the curriculum. (Variable)

800:220. New Developments in Middle Grades Mathematics -- 3 hrs.

(MATH 6201)

Investigation of current recommendations for goals, content, instructional strategies, and curriculum of mathematics programs in grades 4-8. In-depth examination of selected content and implementation of a problem-solving approach to instruction. Focus on application to classroom practice and planning for change for a selected topic. (Variable)

800:221. Mathematics Literacy in an Information Age -- 2 hrs.

(MATH 6207)

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): [800:220](#) (MATH 6201); [800:236](#) (MATH 6224); [800:238](#) (MATH 6226). (Variable)

800:222. Issues and Problems in Teaching Mathematics in the Middle Grades -- 2 hrs.

(MATH 6203)

Issues and problems related to current reform in mathematics, including planning curriculum, assessing student learning, managing instruction, and providing for individual needs. Examination of related literature. Prerequisite(s): [800:220](#) (MATH 6201). (Variable)

800:236. Mathematics for the Middle Grades Teachers I -- 3 hrs.

(MATH 6224)

Integrated, historical, and cultural study of development and structure of quantity, data, and chance. Focus on mathematical ways of knowing and verification. (Variable)

800:237. Technology in Middle Grades Mathematics -- 2 hrs.

(MATH 6210)

Uses of technology in teaching and learning mathematics. Examination of research related to incorporating technology in the teaching of mathematics. (Variable)

800:238. Mathematics for the Middle Grades Teacher II -- 3 hrs.

(MATH 6226)

Integrated, historical, and cultural study of development and structure of patterns, functions, relationships, and shapes. Focus on ways of knowing and verification. Prerequisite(s): 800:236 (MATH 6224). (Variable)

800:240. Abstract Algebra I -- 3 hrs.

(MATH 6500)

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): 800:160 (MATH 4500/MATH 5500). Corequisite(s): 800:162 (MATH 4501/MATH 5501) or consent of instructor. (Offered Fall)

800:241. Abstract Algebra II -- 3 hrs.

(MATH 6501)

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): 800:240 (MATH 6500) (Offered Spring)

800:243. Topics in Discrete Mathematics -- 3 hrs.

(MATH 6530)

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): 800:143 (MATH 3530/MATH 5530) or 800:160 (MATH 4500/MATH 5500). (Variable)

800:246. Topics in the History of Mathematics -- 3 hrs.

(MATH 6640)

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): 800:180 (MATH 3640/MATH 5640). (Variable)

800:250. Deterministic Operations Research -- 3 hrs.

(MATH 6745)

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): 800:062 (MATH 2422); 800:076 (MATH 2500). (Offered Fall and Spring)

800:251. Probabilistic Operations Research -- 3 hrs.

(MATH 6746)

Decision making under uncertainty, Markov chains, deterministic and probabilistic dynamic programming, inventory control, production scheduling, supply chain management, portfolio optimizations. (*Same as STAT 6746*)

Prerequisite(s): 800:062 (MATH 2422); 800:076 (MATH 2500), 800:152 (MATH 3752/MATH 5752). (Offered Fall and Spring)

800:252. Discrete-Event System Simulation -- 3 hrs.

(MATH 6747)

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. (*Same as STAT 6747*) Prerequisite(s): [800:062](#) (MATH 2422); [800:072](#) (STAT 1772). (Offered Fall and Spring)

800:253. Modeling Industrial Systems Using Queueing Networks -- 3 hrs.

(MATH 6748)

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. (*Same as STAT 6748*) Prerequisite(s): [800:062](#) (MATH 2422); [800:076](#) (MATH 2500); [800:152](#) (MATH 3752/MATH 5752). (Offered Fall and Spring)

800:263. Topics in Mathematical Logic and Set Theory -- 3 hrs.

(MATH 6650)

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)

800:267. Non-Euclidean Geometry -- 3 hrs.

(MATH 6670)

Historical development of geometry models that do not assume Euclid's fifth postulate. Emphasis on Poincare's disc and upper half-plane models, distance and area in the hyperbolic plane, and Mobius transformations. Prerequisite(s): [800:076](#) (MATH 2500); [800:160](#) (MATH 4500/MATH 5500); [800:165](#) (MATH 3610/MATH 5610) or [800:166](#) (MATH 3600/MATH 5600). (Variable)

800:270. Applied Linear Statistical Methods for Secondary Mathematics Teachers -- 3 hrs.

(MATH 6370)

Elements of experimental design. Statistical inferential processes, confidence intervals and hypothesis tests, for comparing means, medians and proportions from multiple groups. Prerequisite(s): [800:072](#) (STAT 1772), [800:173](#) (MATH 3751) or consent of instructor. (Offered Fall and Spring)

800:271. Probability and Statistics for Secondary Mathematics Teachers -- 3 hrs.

(MATH 6371)

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): [800:072](#) (STAT 1772) or [800:173](#) (MATH 3751) or consent of instructor. (Variable)

800:272. Advanced Statistical Methods -- 3 hrs.

(STAT 6772)

Categorical data analysis, logistic and Poisson regression, forecasting, repeated measures, classification and discriminant analysis, cluster analysis, data mining. Prerequisite(s): [800:123](#) (STAT 4773/STAT 5773). (Variable)

800:273. Topics in Probability and Statistics -- 3 hrs.

(MATH 6779)

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. (*Same as STAT 6779*) Prerequisite(s): consent of instructor. (Variable)

800:275. Industrial Internship/Project -- 6 hrs.

(MATH 6795)

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)

800:280. Mathematics at the Secondary Level -- 1-3 hrs.

(MATH 6380)

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)

800:281. Current Research in School Mathematics -- 3 hrs.

(MATH 6381)

Analysis of research in mathematics education and its implications for instruction in high school programs. Prerequisite(s): 800:280 (MATH 6380). (Variable)

800:291. Problems and Issues in Teaching High School Mathematics -- 3 hrs.

(MATH 6391)

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)

800:293. The Secondary School Mathematics Curriculum -- 3 hrs.

(MATH 6393)

Comparison of current secondary curriculum with national standards, implementation, assessment, and the role of technology. (Variable)

800:299. Research.

(MATH 6299)

(Variable)

2010-2012 UNI Catalog

810 Computer Science (CS)

810:017. Web Development: Client-Side Coding -- 3 hrs.

(CS 1100)

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. (Offered Fall)

810:020. Computing for All -- 3 hrs.

(CS 1050)

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. (Offered Fall, Spring, and Summer)

810:021. Computing Skills and Concepts -- 3 hrs.

(CS 1000)

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. (Offered Fall and Spring)

810:022. Microcomputer Applications and Systems Integration -- 3 hrs.

(CS 1010)

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): 810:021 (CS 1000) or equivalent. (Offered Fall)

810:023. Microcomputer Systems -- 3 hrs.

(CS 1020)

Functional description of microcomputer operating systems; commands and utilities, system and file organization, memory and file management, troubleshooting strategies, and networks. Prerequisite(s): 810:022 (CS 1010) or any one-semester programming course. (Offered Spring)

810:024. Software Applications for Testing -- 3 hrs.

(CS 1071)

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)

810:025. Computational Modeling and Simulation -- 3 hrs.

(CS 1025)

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. (Offered Fall and Spring)

810:030. Visual BASIC Programming -- 3 hrs.

(CS 1130)

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. (Offered Fall and Spring)

810:036. C/C++ Programming -- 3 hrs.

(CS 1160)

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. (Offered Fall)

810:041. Computer Organization -- 3 hrs.

(CS 1410)

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): [810:051](#) (CS 1510). (Offered Fall and Spring)

810:051. Introduction to Computing -- 4 hrs.

(CS 1510)

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. (Offered Fall and Spring)

810:052. Data Structures -- 4 hrs.

(CS 1520)

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): [810:051](#) (CS 1510). Prerequisite(s) or corequisite(s): [810:080](#) (CS 1800). (Offered Fall and Spring)

810:053. Intermediate Computing -- 3 hrs.

(CS 2530)

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): [810:051](#) (CS 1510); [810:052](#) (CS 1520); [810:080](#) (CS 1800). (Offered Fall and Spring)

810:056. Media Computation -- 3 hrs.

(CS 1120)

Introduction to computation, algorithmic thinking, data transformation and processing, and programming in the context of media such as images, sound, and video. (Offered Fall, Spring, and Summer)

810:071. Software Requirements Analysis -- 3 hrs.

(CS 1072)

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): [810:030](#) (CS 1130); [810:080](#) (CS 1800). (Variable)

810:080. Discrete Structures -- 3 hrs.

(CS 1800)

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): [810:030](#) (CS 1130), [810:036](#) (CS 1160), or [810:051](#) (CS 1510). (Offered Fall and Spring)

810:088. Topics in Computing -- 3 hrs.

(CS 2880)

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)

810:112(g). User Interface Design -- 3 hrs.

(CS 3120/CS 5120)

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: 810:053 (CS 2530); plus one of the following - 810:114 (CS 3140/CS 5140), 810:115 (CS 3150/CS 5150), 810:153 (CS 3530), 810:154 (CS 3540), 810:172 (CS 2720); junior standing. Prerequisite(s) for non-Computer Science majors: junior standing; consent of instructor. (Variable)

810:114(g). Database Systems -- 3 hrs.

(CS 3140/CS 5140)

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): 810:052 (CS 1520); 810:080 (CS 1800); junior standing. (Offered Fall)

810:115(g). Information Storage and Retrieval -- 3 hrs.

(CS 3150/CS 5150)

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): 810:052 (CS 1520); 810:080 (CS 1800); junior standing. (Offered Spring)

810:134. COBOL -- 3 hrs.

(CS 2134)

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 -- 150:032 (MGMT 2032), 810:030 (CS 1130), 810:036 (CS 1160), or 810:051 (CS 1510). (Formerly 810:034) (Offered Spring)

810:140(g). System Administration -- 3 hrs.

(CS 4400/CS 5400)

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): 810:147 (CS 3470/CS 5470); junior standing. (Variable)

810:141(g). System Security -- 3 hrs.

(CS 4410/CS 5410)

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): 810:147 (CS 3470/CS 5470); junior standing. (Variable)

810:142. Computer Architecture -- 3 hrs.

(CS 2420)

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): 810:041 (CS 1410). (Offered Fall)

810:143(g). Operating Systems -- 3 hrs.

(CS 3430/CS 5430)

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): 810:041 (CS 1410); 810:052 (CS 1520); 810:080 (CS 1800); junior standing. (Offered Spring)

810:147(g). Networking -- 3 hrs.

(CS 3470/CS 5470)

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): [810:041](#) (CS 1410); [810:052](#) (CS 1520); [810:080](#) (CS 1800); junior standing. Prerequisites for Industrial Technology majors: [330:037](#) (TECH 1037); [330:041](#) (TECH 2041); [330:042](#) (TECH 2042); [810:036](#) (CS 1160). (Offered Fall)

810:151. Topics in Programming -- 1 hr.

(CS 3510)

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): [810:052](#) (CS 1520); [810:080](#) (CS 1800). (Offered Spring)

810:153. Design and Analysis of Algorithms -- 3 hrs.

(CS 3530)

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): [810:052](#) (CS 1520); [810:080](#) (CS 1800). (Variable)

810:154. Programming Languages and Paradigms -- 3 hrs.

(CS 3540)

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): [810:052](#) (CS 1520); [810:080](#) (CS 1800). (Variable)

810:155(g). Translation of Programming Languages -- 3 hrs.

(CS 4550/CS 5550)

Introduction to analysis of programming languages and construction of translators. Prerequisite(s): [810:053](#) (CS 2530) and one of the following: [810:153](#) (CS 3530), [810:154](#) (CS 3540), [810:181](#) (CS 3810/CS 5810); junior standing. (Variable)

810:161(g). Artificial Intelligence -- 3-4 hrs.

(CS 3610/CS 5610)

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): [810:052](#) (CS 1520); [810:080](#) (CS 1800); junior standing. (Variable)

810:162(g). Intelligent Systems -- 3 hrs.

(CS 4620/CS 5620)

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): [810:053](#) (CS 2530); [810:161](#) (CS 3610/CS 5610) or equivalent; junior standing. (Variable)

810:165. Computing for Bioinformatics I -- 3 hrs.

(CS 2650)

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): [810:036](#) (CS 1160) or [810:051](#) (CS 1510); [810:080](#) (CS 1800). (Offered Fall)

810:166(g). Computing for Bioinformatics II -- 3 hrs.

(CS 3650/CS 5650)

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): [810:165](#) (CS 2650); junior standing. (Offered Spring)

810:172. Software Engineering -- 3 hrs.

(CS 2720)

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): [810:052](#) (CS 1520); [810:080](#) (CS 1800). (Offered Fall and Spring)

810:173(g). Project Management -- 3 hrs.

(CS 3730/CS 5730)

Examination of problems of organizing, controlling, managing, and evaluating a software project; software metrics and human input. Prerequisite(s): [810:053](#) (CS 2530); [810:172](#) (CS 2720); junior standing. (Variable)

810:174(g). Real-Time Embedded Systems -- 4 hrs.

(CS 4740/CS 5740)

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): [810:053](#) (CS 2530); [810:172](#) (CS 2720); junior standing. (Variable)

810:175(g). Software Testing -- 3 hrs.

(CS 3750/CS 5750)

Taxonomy of software defects, approaches to identifying software defects, and test case development. Unit testing, functional testing, and software inspection. Prerequisite(s): [810:071](#) (CS 1072) or [810:172](#) (CS 2720); junior standing. (Variable)

810:179. Cooperative Education -- 1-4 hrs.

(CS 3179)

Application of classroom learning to field experience. Credit may not be applied to major or minor. Offered on credit/no credit basis only. (Offered Fall and Spring)

810:180. Undergraduate Research in Computer Science -- 1-3 hrs.

(CS 4800)

(Offered Fall and Spring)

810:181(g). Theory of Computation -- 3 hrs.

(CS 3810/CS 5810)

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): [810:080](#) (CS 1800); junior standing. (Variable)

810:188(g). Topics in Computer Science -- 3 hrs.

(CS 4880/CS 5880)

Topics of general interest from any area of computer science, including systems, software, or theory.

Prerequisite(s): [810:052](#) (CS 1520); [810:080](#) (CS 1800); junior standing. (Variable)

810:214. Database Management Systems -- 3 hrs.

(CS 6140)

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)

810:240. Computer Systems -- 3 hrs.

(CS 6400)

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: 810:142 (CS 2420) or 810:143 (CS 3430/CS 5430). Prerequisite(s) for non-Computer Science majors: proficiency in a high-level programming language; consent of instructor.

(Variable)

810:270. Algorithms -- 3 hrs.

(CS 6500)

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): 810:153 (CS 3530).

(Variable)

810:280. Theoretical Foundations of Computing -- 3 hrs.

(CS 6800)

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): 810:181 (CS 3810/CS 5810). (Variable)

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820 Science and Science Education

820:031. Inquiry into Physical Science -- 4 hrs.

(SCI ED 1300)

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 majors only. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Offered Fall and Spring)

820:032. Inquiry into Life Science -- 4 hrs.

(SCI ED 1200)

Inquiry-oriented introduction to fundamental concepts and processes in life science that includes ecology, evolution, genetics, cell biology, physiology, and microorganisms. Integrated lecture/lab for 4 periods; plus 1 hour arranged. For Elementary Education majors only. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Offered Fall and Spring)

820:033. Inquiry into Earth Science -- 4 hrs.

(SCI ED 1100)

Inquiry-oriented introduction to fundamental concepts and processes in meteorology, astronomy, and geology using active investigation. Integrated lecture/lab for 4 periods; plus 1 hour arranged. For Elementary Education majors only. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Offered Spring and Fall)

820:095. Exploring Science Teaching -- 1 hr.

(SCI ED 1600)

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. (Offered Fall and Spring)

820:113(g). Techniques for Science Teachers -- 1-5 hrs.

(SCI ED 3500/SCI ED 5500)

Spectrum of options to help science teachers improve their teaching. Topics may include teaching strategies, laboratory techniques, or learning psychologies that apply to teaching various science disciplines and age levels. Topic listed in Schedule of Classes. Application to major requires advisor approval. Prerequisite(s): junior standing; consent of instructor. (Variable)

820:130(g). Experiences in Elementary School Science -- 2 hrs.

(SCI ED 3100/SCI ED 5100)

Development of understanding science as an investigative process and how this relates to elementary science teaching. Seminar discussions and field experiences in applying knowledge of science content and pedagogy to working with elementary-level students. Prerequisite(s): two courses from [820:181](#) (SCI ED 2300), [840:181](#) (BIOL 3181), or [870:181](#) (EARTHSCI 2500); junior standing. (Offered Even Falls)

820:181. Investigations in Physical Science -- 4 hrs.

(SCI ED 2300)

Inquiry-oriented continuation of concepts and processes in chemistry and physics that include electricity, magnetism, light, sound, solutions, acids and bases, changes in matter, and chemical bonding. Integrated lecture/lab, 5 periods. Prerequisite(s): [820:031](#) (SCI ED 1300). (Offered Even Springs)

820:189. Seminar in Environmental Problems -- 1 hr.

(SCI ED 3250)

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)

820:190(g). Orientation to Science Teaching -- 3 hrs.

(SCI ED 3300/SCI ED 5300)

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 classroom. Prerequisite(s): [200:017](#) (EDPSYCH 2017); [200:030](#) (EDPSYCH 2030); a major or minor in a science area; junior standing. (Offered Fall and Spring)

820:193(g). Methods for Teaching Physical Science -- 3 hrs.

(SCI ED 4700/SCI ED 5700)

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): [200:128](#) (EDPSYCH 3128); [200:148](#) (EDPSYCH 3148); [250:150](#) (MEASRES 3150); [820:190](#) (SCI ED 3300/SCI ED 5300); [820:196](#) (SCI ED 3200); junior standing. (Offered Fall)

820:196. Current Technologies in Science Teaching -- 2 hrs.

(SCI ED 3200)

Experiences with educational technologies used in science teaching including computer and calculator applications and supporting materials, web-based, and on-line resources. Discussion/lab, 3 periods. Field experiences in secondary school science classrooms. Prerequisite(s): major or minor in a science teaching program or consent of instructor. (Offered Fall and Spring)

820:198. Independent Study.

(SCI ED 4198)

(Variable)

820:200. The History, Philosophy, and Nature of Science -- 2 hrs.

(SCI ED 6700)

Examination of the nature of science and major philosophical developments of science throughout history, and the implications to the science classroom. Discussion 2 hrs./wk. (Variable)

820:209. Business Management for Science Professionals -- 3 hrs.

(PSM 6100)

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): [820:289](#) (PSM 6289) (Offered Fall and Spring)

820:213. Teaching-Learning Models in Science Education -- 2 hrs.

(SCI ED 6800)

Survey of learning theories from behaviorism to constructivism and the way those theories are translated into practice through various pedagogies. Prerequisite(s): [200:148](#) (EDPSYCH 3148) or equivalent. (Variable)

820:215. Team-Based Problem Solving -- 3 hrs.

(PSM 6300)

For P.S.M. Biotechnology and P.S.M. Ecosystem Management students. Discussion and/or lab, 5 periods. Prerequisite(s): [820:289](#) (PSM 6289); minimum of 6 hours completed in a P.S.M. degree program. (Offered Fall and Spring)

820:270. Special Problems in Science Education -- 1-6 hrs.

(SCI ED 6400)

Problems selected according to needs of students. Prerequisite(s): consent of chairperson of Science Education Faculty. (Variable)

820:289. Professional Science Master's Seminar -- 1 hr.

(PSM 6289)

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. (Offered Fall and Spring)

820:290. Trends and Issues in Science Education -- 2 hrs.

(SCI ED 6900)

Major trends and issues in science education, focusing primarily on science education from the 1950s to present. Discussion, 2 hrs./wk. (Variable)

820:294. Developing Science Curricula -- 2 hrs.

(SCI ED 6600)

Analysis and design of science curricula, with attention to articulation K-12. Prerequisite(s): 820:190 (SCI ED 3300/SCI ED 5300) or equivalent. (Variable)

820:295. Professional Science Master's Internship -- 1-6 hrs.

(PSM 6950)

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. (Offered Fall and Spring)

820:299. Research.

(SCI ED 6299)

(Offered Fall, Spring, and Summer)

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830 Environmental Science (ENV SCI)

830:165(g). Environmental Health Science -- 3 hrs.

(ENV SCI 4665/ENV SCI 5665)

Comprehensive survey of the interaction between human health and the quality and state of the natural environment. Prerequisite(s): junior standing. (Same as 410:165g (HPE 4665/5665)) (Offered Fall and Spring)

830:166(g). Environmental and Occupational Health Regulations -- 3 hrs.

(ENV SCI 4666/ENV SCI 5666)

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 410:166g (HPE 4666/5666)) (Offered Odd Springs)

830:195. Environmental Science/Health Internship -- 1-10 hrs.

(ENV SCI 4195)

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. (Offered Fall, Spring, and Summer)

830:200. Environmental Biology -- 3 hrs.

(ENV SCI 6200)

Advanced topics in physiological ecology, community ecology, environmental microbiology, ecological genetics, bioenergetics, and biodiversity. (Offered Odd Falls)

830:235. Topics in Environmental Chemistry -- 3 hrs.

(ENV SCI 6235)

Advanced topics in chemistry for environmental science and technology. Topics include water, air, and geochemistry; environmental chemistry, measurement techniques, and chemical ecology. (Offered Odd Springs)

830:250. Global Systems -- 3 hrs.

(ENV SCI 6250)

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. (Offered Even Falls)

830:285. Readings in Environmental Science/Health -- 1-10 hrs.

(ENV SCI 6285)

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. (Offered Fall, Spring, and Summer)

830:289. Environmental Science/Health Seminar -- 1 hr.

(ENV SCI 6289)

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. (Offered Fall and Spring)

830:299. Research -- 1-9 hrs.

(ENV SCI 6299)

May be repeated for maximum of 9 hours. Prerequisite(s): must be currently enrolled in Environmental Science graduate program. (Offered Fall, Spring, and Summer)

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840 Biology (BIOL)

840:012. Life: The Natural World -- 3 hrs.

(BIOL 1012)

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. (Offered Fall and Spring)

840:013. Life: The Natural World - Lab -- 1 hr.

(BIOL 1013)

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): 840:012 (BIOL 1012). (Offered Fall and Spring)

840:014. Life: Continuity and Change -- 3 hrs.

(BIOL 1014)

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. (Offered Fall, Spring, and Summer)

840:015. Life: Continuity and Change - Lab -- 1 hr.

(BIOL 1015)

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): 840:014 (BIOL 1014) or equivalent. (Offered Fall and Spring)

840:033. Principles of Microbiology -- 3 hrs.

(BIOL 1033)

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. (Offered Fall)

840:051. General Biology: Organismal Diversity -- 4 hrs.

(BIOL 2051)

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. (Offered Fall and Spring)

840:052. General Biology: Cell Structure and Function -- 4 hrs.

(BIOL 2052)

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. (Offered Fall, Spring, and Summer)

840:060. Careers in Biology: _____ -- 2 hrs.

(BIOL 1060)

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)

840:084. Introduction to Natural History Interpretation -- 3 hrs.

(BIOL 3084)

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): [840:051](#) (BIOL 2051); [840:052](#) (BIOL 2052). (Offered Even Springs)

840:089. Seminar -- 1 hr.

(BIOL 1089)

(Variable)

840:100. Evolution, Ecology and the Nature of Science -- 3 hrs.

(BIOL 3100)

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): [840:051](#) (BIOL 2051); [840:052](#) (BIOL 2052); [860:044](#) (CHEM 1110) and [860:048](#) (CHEM 1120), or [860:070](#) (CHEM 1130). Prerequisites for Earth Science Major - Interpretive Naturalist Emphasis: [840:051](#) (BIOL 2051); [840:052](#) (BIOL 2052); [860:044](#) (CHEM 1110). (Offered Fall and Spring)

840:101. Anatomy and Physiology I -- 4 hrs.

(BIOL 3101)

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): [840:051](#) (BIOL 2051); [840:052](#) (BIOL 2052); [860:044](#) (CHEM 1110) and [860:048](#) (CHEM 1120), or [860:061](#) (CHEM 1030) or [860:070](#) (CHEM 1130), or consent of department head. (Offered Fall, Spring, and Summer)

840:102. Anatomy and Physiology II -- 4 hrs.

(BIOL 3102)

Continuation of [840:101](#) (BIOL 3101). For students in allied health fields or other university-approved programs. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): C- or better in [840:101](#) (BIOL 3101) or [840:106](#) (BIOL 3106). (Offered Fall, Spring, and Summer)

840:103. Applied Ecology and Conservation -- 4 hrs.

(BIOL 3103)

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): [840:051](#) (BIOL 2051); [840:052](#) (BIOL 2052); [860:044](#) (CHEM 1110) and [860:048](#) (CHEM 1120), or [860:070](#) (CHEM 1130). (Variable)

840:105(g). Wildlife Ecology and Management -- 4 hrs.

(BIOL 4105/BIOL 5105)

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): [840:100](#) (BIOL 3100); [840:140](#) (BIOL 3140); junior standing. (Variable)

840:106. Vertebrate Anatomy -- 4 hrs.

(BIOL 3106)

Consideration of the origin and evolution of vertebrates and comparison of vertebrate structure and function.

Discussion, 2 periods; lab, 4 periods. Prerequisite(s): [840:051](#) (BIOL 2051); [840:052](#) (BIOL 2052); [860:044](#) (CHEM 1110) and [860:048](#) (CHEM 1120), or [860:070](#) (CHEM 1130). (Offered Fall and Spring)

840:108. Vertebrate Histology -- 4 hrs.

(BIOL 3108)

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): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Variable)

840:110. Obesity and Diabetes: Science, Sociology and Economics -- 2 hrs.

(BIOL 3110)

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:110 (CAP 3110)*) (Variable)

840:112. Invertebrate Zoology -- 4 hrs.

(BIOL 3112)

Morphology, physiology, phylogeny, taxonomy, and ecology of the invertebrates. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Offered Spring)

840:114(g). Comparative Animal Physiology -- 3 hrs.

(BIOL 4114/BIOL 5114)

Physical and chemical basis of cellular/organ functions in various animals. Discussion, 3 periods. Prerequisite(s): 840:100 (BIOL 3100); 840:140 (BIOL 3140); 860:063 (CHEM 1040) or 860:120 (CHEM 2210); junior standing. (Offered Odd Falls)

840:115(g). Comparative Animal Physiology Laboratory -- 1 hr.

(BIOL 4115/BIOL 5115)

Laboratory experience in comparative animal physiology. Cellular and organ physiology studied in a variety of animals. Lab, 3 periods. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): 840:114 (BIOL 4114/BIOL 5114). (Offered Odd Falls)

840:116(g). Neurobiology -- 3 hrs.

(BIOL 4116/BIOL 5116)

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): 840:114 (BIOL 4114/BIOL 5114) or 840:128 (BIOL 4128/BIOL 5128) or 840:138 (BIOL 4137/BIOL 5137) or written consent of instructor; junior standing. (Variable)

840:119. Biotechnology Applications -- 3 hrs.

(BIOL 3119)

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): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). Prerequisites for Bioinformatics majors and minors: 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Variable)

840:120. Plant Diversity and Evolution -- 4 hrs.

(BIOL 3120)

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): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Offered Spring)

840:121(g). Plant Biotechnology -- 4 hrs.

(BIOL 4121/BIOL 5121)

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): [840:100](#) (BIOL 3100); [840:140](#) (BIOL 3140); junior standing. (Offered Even Springs)

840:122(g). Plant Physiology -- 4 hrs.

(BIOL 4122/BIOL 5122)

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): [840:100](#) (BIOL 3100); [840:140](#) (BIOL 3140); [860:063](#) (CHEM 1040) or [860:120](#) (CHEM 2210); junior standing. (Offered Spring)

840:127(g). Bioinformatics Applications for Biology -- 3 hrs.

(BIOL 4127/BIOL 5127)

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): [840:100](#) (BIOL 3100); [840:140](#) (BIOL 3140); junior standing. Prerequisites for Bioinformatics majors and minors: [840:140](#) (BIOL 3140); junior standing. (Variable)

840:128(g). Cell Biology -- 4 hrs.

(BIOL 4128/BIOL 5128)

Foundation in cellular structure, organization, and function, with emphasis on molecular aspects of gene regulation, signal transduction, and cell cycle control. Laboratory will correlate with lecture topics and will also emphasize developing laboratory skills and improving analytical and writing abilities. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): [840:100](#) (BIOL 3100); [840:140](#) (BIOL 3140); [860:063](#) (CHEM 1040) or [860:120](#) (CHEM 2210); junior standing. (Offered Fall)

840:129(g). Genomics and Proteomics -- 3 hrs.

(BIOL 4129/BIOL 5129)

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): [840:100](#) (BIOL 3100); [840:140](#) (BIOL 3140); [840:119](#) (BIOL 3119) or [840:128](#) (BIOL 4128/BIOL 5128) or [860:154](#) (BIOCHEM 4510/BIOCHEM 5510); junior standing. (Offered Even Falls)

840:131(g). Animal Behavior -- 4 hrs.

(BIOL 4131/BIOL 5131)

Mechanisms, adaptive significance, evolution, and ecology of behavior and sociality. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): [840:100](#) (BIOL 3100); [840:140](#) (BIOL 3140); junior standing. (Variable)

840:137(g). Vertebrate Physiology Laboratory -- 1 hr.

(BIOL 4138/BIOL 5138)

Laboratory experience in experimental vertebrate physiology. Focus on organ and cellular aspects of physiology. Lab, 3 periods. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): [840:138](#) (BIOL 4137/BIOL 5137). (Offered Even Falls)

840:138(g). Vertebrate Physiology -- 3 hrs.

(BIOL 4137/BIOL 5137)

Functions of organ systems in vertebrates; emphasis on human body. Discussion, 3 periods. Must be taken with [840:137](#) (BIOL 4138/BIOL 5138) if used to fulfill biology core requirement. Prerequisite(s): [840:100](#) (BIOL 3100); [840:140](#) (BIOL 3140); [860:063](#) (CHEM 1040) or [860:120](#) (CHEM 2210); junior standing. (Offered Even Falls)

840:140. Genetics -- 4 hrs.

(BIOL 3140)

Analytical approach to classical, molecular, and population genetics. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): [840:051](#) (BIOL 2051); [840:052](#) (BIOL 2052); [860:044](#) (CHEM 1110) and [860:048](#) (CHEM 1120), or

860:070 (CHEM 1130). Prerequisites for Bioinformatics majors and minors: 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Offered Fall and Spring)

840:142(g). Evolutionary Biology -- 3 hrs.

(BIOL 4142/BIOL 5142)

Conceptual overview of evolutionary theory, mechanisms of evolutionary process, speciation and major evolutionary events. Discussion, 3 periods. Prerequisite(s): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Spring)

840:143(g). Biogeography and Origins of Diversity -- 3 hrs.

(BIOL 4143/BIOL 5143)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Variable)

840:144(g). Virology -- 4 hrs.

(BIOL 4144/BIOL 5144)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Variable)

840:146(g). Developmental Biology of Animals -- 4 hrs.

(BIOL 4146/BIOL 5146)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Spring)

840:147. Cancer and Emerging Infectious Diseases -- 3 hrs.

(BIOL 3147)

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): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Offered Spring)

840:150(g). Immunology -- 4 hrs.

(BIOL 4150/BIOL 5150)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Fall)

840:151. General Microbiology -- 4 hrs.

(BIOL 3151)

Physiology, morphology, taxonomy, immunology, and pathogenicity of microbes, with applications to medicine, agriculture, sanitation, and industry. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Offered Fall and Spring)

840:152. Microbial Molecular Genetics -- 4 hrs.

(BIOL 3152)

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): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Offered Odd Springs)

840:153(g). Recombinant DNA Techniques -- 4 hrs.

(BIOL 4153/BIOL 5153)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. Prerequisites for Bioinformatics majors and minors: 840:140 (BIOL 3140); junior standing. (Offered Fall)

840:154(g). Aquatic Ecology -- 3 hrs.

(BIOL 4154/BIOL 5154)

Introduction to geological, physical, chemical, and biological factors that interact to determine functional characteristics of inland waters. Prerequisite(s): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Fall)

840:155(g). Ecotoxicology -- 4 hrs.

(BIOL 4155/BIOL 5155)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Variable)

840:157(g). Biostatistics -- 3 hrs.

(BIOL 4157/BIOL 5157)

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): 800:046 (MATH 1140) or equivalent; 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Variable)

840:160. Field Zoology of Vertebrates -- 4 hrs.

(BIOL 3160)

Identification and natural history of Iowa vertebrates. Emphasis on field trips. Discussion, 2 periods; lab and field work, 6 periods. Prerequisite(s): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Offered Spring)

840:164(g). Mammalogy -- 4 hrs.

(BIOL 4164/BIOL 5164)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Fall)

840:166(g). Plant Systematics -- 4 hrs.

(BIOL 4166/BIOL 5166)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Fall)

840:167(g). Conservation Biology -- 3 hrs.

(BIOL 4167/BIOL 5167)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Even Falls)

840:168(g). Ecology -- 4 hrs.

(BIOL 4168/BIOL 5168)

Relationship of organisms to their environment with emphasis on principles of population, community, and ecosystem structure and dynamics. Prerequisite(s): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Fall)

840:170. Entomology -- 3 hrs.

(BIOL 3170)

Introduction to biology of insects. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): 840:051 (BIOL 2051); 840:052 (BIOL 2052); 860:044 (CHEM 1110) and 860:048 (CHEM 1120), or 860:070 (CHEM 1130). (Variable)

840:172(g). Developmental Plant Anatomy -- 4 hrs.

(BIOL 4172/BIOL 5172)

Structure and function of flowering plants, with emphasis on cell and organ development. Lecture, 2 periods; lab, 4 periods. Prerequisite(s): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Fall)

840:174. Field Biology: _____ -- 1-3 hrs.

(BIOL 3174)

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)

840:178(g). Fire Management in Ecosystems -- 3 hrs.

(BIOL 4178/BIOL 5178)

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): 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Spring)

840:179. Cooperative Education.

(BIOL 3179)

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. (Offered Fall, Spring, and Summer)

840:180(g). Restoration Ecology -- 4 hrs.

(BIOL 4180/BIOL 5180)

Ecological principles applied to restoration of degraded terrestrial and freshwater ecosystems. Topics include fire, soils, hydrology, biological invasion. Discussion, 3 periods; lab, 3 periods; arranged field trips. Prerequisite(s):

840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. (Offered Fall)

840:181. Investigations in Life Science -- 4 hrs.

(BIOL 3181)

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): 820:032 (SCI ED 1200). (Offered Odd Falls)

840:184(g). Natural History Interpretation Techniques -- 4 hrs.

(BIOL 4184/BIOL 5184)

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): 840:084 (BIOL 3084); 840:100 (BIOL 3100); 840:140 (BIOL 3140); junior standing. For Earth Science Major-Interpretive Naturalist Emphasis: 840:084 (BIOL 3084); 840:100 (BIOL 3100); junior standing. (Offered Odd Springs)

840:185. Readings in Biology -- 1-3 hrs.

(BIOL 3185)

Independent readings in biology from selected list approved in advance. Maximum of 3 hours for biology major or

minor. Prerequisite(s): consent of department. (Offered Fall, Spring, and Summer)

840:189. Seminar -- 1-2 hrs.

(BIOL 3189)
(Variable)

840:190. Undergraduate Research in Biology -- 1-3 hrs.

(BIOL 3190)

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): 840:051 (BIOL 2051); 840:052 (BIOL 2052); sophomore standing; consent of department. (Offered Fall, Spring, and Summer)

840:191. Senior Thesis -- 1 hr.

(BIOL 3191)

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. (Offered Fall, Spring, and Summer)

840:193(g). Methods for Teaching Life Science -- 3 hrs.

(BIOL 4193/BIOL 5193)

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): 200:128 (EDPSYCH 3128); 200:148 (EDPSYCH 3148); 250:150 (MEASRES 3150); 820:190 (SCI ED 3300/SCI ED 5300); 820:196 (SCI ED 3200); junior standing. (Offered Spring)

840:195. Internship/Field Experience -- 1-10 hrs.

(BIOL 3195)

Supervised work experience in approved work situation. Offered on credit/no credit basis only. Prerequisite(s): consent of department. (Offered Fall, Spring, and Summer)

840:196. Natural History Interpretation Colloquium -- 1 hr.

(BIOL 3196)

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): 430:050 (LYHS 2551) or 430:146 (LYHS 4554/LYHS 5554) or 430:170 (LYHS 4776/LYHS 5776); 840:180 (BIOL 4180/BIOL 5180) or 990:125 (ANTH 3440/ANTH 5440); 840:184 (BIOL 4184/BIOL 5184). Prerequisite(s) or corequisite(s): 840:179 (BIOL 3179) or 870:195 (EARTHSCI 3430). (Variable)

840:197. Undergraduate Practicum in Biology Teaching -- 1 hr.

(BIOL 3197)

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): 840:193 (BIOL 4193/BIOL 5193); consent of instructor. (Offered Fall and Spring)

840:198. Independent Study.

(BIOL 4198)

(Offered Fall, Spring, and Summer)

840:202. Graduate Colloquium -- 1 hr.

(BIOL 6202)

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. (Offered Fall and Spring)

840:230. Special Problems in Biology -- 1-6 hrs.

(BIOL 6230)

Credit determined at registration. (Problems in biology other than those for theses or in regular curricular offerings.)

Prerequisite(s): 840:292 (BIOL 6292) recommended; consent of department. (Offered Fall, Spring, and Summer)

840:240. Advanced Cellular and Molecular Biology -- 3 hrs.

(BIOL 6240)

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. (Offered Spring)

840:250. Advanced Physiology and Development -- 3 hrs.

(BIOL 6250)

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. (Offered Odd Falls)

840:260. Advanced Ecology -- 3 hrs.

(BIOL 6260)

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. (Offered Spring)

840:270. Advanced Systematics and Evolutionary Biology -- 3 hrs.

(BIOL 6270)

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. (Offered Even Falls)

840:280. Advanced Analytical Techniques -- 3 hrs.

(BIOL 6280)

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. (Offered Fall)

840:289. Seminar -- 1 hr.

(BIOL 6289)

(Variable)

840:292. Research Methods in Biology -- 1 hr.

(BIOL 6292)

Introduction to research methods in biology. Emphasis on literature review, proposal preparation, and manuscript style. Discussion, 1 period. (Offered Fall and Spring)

840:297. Practicum.

(BIOL 6297)

(Variable)

840:299. Research.

(BIOL 6299)

(Offered Fall, Spring, and Summer)

840:29R. Directed Research.
(BIOL 629R)
(Offered Fall, Spring, and Summer)

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860 Chemistry and Biochemistry

860:010. Principles of Chemistry -- 4 hrs.

(CHEM 1010)

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. (Offered Fall and Spring)

860:011. Molecules and Life -- 3 hrs.

(CHEM 1011)

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. (Offered Fall and Spring)

860:020. Chemical Technology -- 4 hrs.

(CHEM 1020)

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. (Offered Fall)

860:030. Careers in Chemistry -- 1 hr.

(CHEM 1610)

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. (Offered Spring)

860:044. General Chemistry I -- 4 hrs.

(CHEM 1110)

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 [860:070](#) (CHEM 1130) following departmental advisement. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Offered Fall, Spring, and Summer)

860:048. General Chemistry II -- 4 hrs.

(CHEM 1120)

Continuation of [860:044](#) (CHEM 1110) 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): [860:044](#) (CHEM 1110) or equivalent. (Offered Fall, Spring, and Summer)

860:061. Applied General Chemistry -- 4 hrs.

(CHEM 1030)

Basic concepts of chemistry, with particular attention to allied health and nutrition applications. Discussion, 3 periods; lab, 3 periods. No credit for students with credit in [860:044](#) (CHEM 1110) or [860:070](#) (CHEM 1130). (Offered Fall and Spring)

860:063. Applied Organic and Biochemistry -- 4 hrs.

(CHEM 1040)

Basic concepts in organic chemistry and biochemistry, including nomenclature, functional groups, reactivity, and macromolecules. No credit for students with credit in [860:123](#) (CHEM 2220). Discussion, 3 periods; lab, 3 periods. Prerequisite(s): [860:048](#) (CHEM 1120) or [860:061](#) (CHEM 1030) or [860:070](#) (CHEM 1130). (Offered Fall and Spring)

860:070. General Chemistry I-II -- 5 hrs.

(CHEM 1130)

Accelerated course for well-prepared students. Content similar to 860:044 (CHEM 1110) and 860:048 (CHEM 1120) but covered in one semester. Completion satisfies General Chemistry requirement of any chemistry major. Discussion, 4 periods; lab, 3 periods. Prerequisite(s): consent of department head. (Offered Fall)

860:110. Descriptive Inorganic Chemistry -- 4 hrs.

(CHEM 2110)

Properties, structures, reactions, and applications of elements and their most important compounds. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): 860:048 (CHEM 1120) or 860:070 (CHEM 1130). (Offered Fall and Spring)

860:120. Organic Chemistry I -- 3 hrs.

(CHEM 2210)

Fundamentals of organic chemistry. For majors in the sciences and those preparing for medically-related careers. Discussion, 3 periods. Prerequisite(s): 860:048 (CHEM 1120) or 860:070 (CHEM 1130). (Offered Fall, Spring, and Summer)

860:121. Organic Chemistry Laboratory -- 2 hrs.

(CHEM 2230)

Purification and identification techniques and some representative organic reactions. Lab, 6 periods. Prerequisite(s) or corequisite(s): 860:120 (CHEM 2210). (Offered Fall and Spring)

860:123. Organic Chemistry II -- 3 hrs.

(CHEM 2220)

Continuation of 860:120 (CHEM 2210). Discussion, 3 periods. Prerequisite(s): 860:120 (CHEM 2210). (Offered Fall, Spring, and Summer)

860:132. Quantitative Analysis -- 4 hrs.

(CHEM 2310)

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): 860:048 (CHEM 1120) or 860:070 (CHEM 1130). (Offered Fall and Spring)

860:137(g). Instrumental Analysis -- 4 hrs.

(CHEM 4310/CHEM 5310)

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): 860:120 (CHEM 2210); 860:132 (CHEM 2310); 860:140 (CHEM 4420/CHEM 5420); junior standing. Prerequisite(s) or corequisite(s): 860:141 (CHEM 4430/CHEM 5430). (Offered Fall and Spring)

860:140(g). Physical Chemistry: Thermodynamics -- 3 hrs.

(CHEM 4420/CHEM 5420)

Application of laws of physics to energy changes in chemical processes and reactions. Discussion, 3 periods. Prerequisite(s): 800:061 (MATH 1421); 860:048 (CHEM 1120) or 860:070 (CHEM 1130); 880:056 (PHYSICS 1512) or 880:131 (PHYSICS 1702); junior standing. (Offered Fall)

860:141(g). Physical Chemistry: Kinetics, Quantum Mechanics, and Spectroscopy -- 3 hrs.

(CHEM 4430/CHEM 5430)

Application of laws of physics to atomic and molecular structure and behavior. Discussion, 3 periods. Prerequisite(s): 800:061 (MATH 1421); 860:048 (CHEM 1120) or 860:070 (CHEM 1130); 880:056 (PHYSICS 1512) or 880:131 (PHYSICS 1702); junior standing. (Offered Spring)

860:142(g). Principles of Physical Chemistry -- 3 hrs.

(CHEM 4410/CHEM 5410)

Physical aspects of chemistry for needs of high school chemistry teacher, and for students in biological sciences.

Discussion, 3 periods. Recommended: [880:054](#) (PHYSICS 1511). Prerequisite(s): [800:046](#) (MATH 1140); [860:048](#) (CHEM 1120) or [860:070](#) (CHEM 1130); junior standing or consent of department head. (Offered Even Falls)

860:143(g). Physical Chemistry Laboratory -- 2 hrs.

(CHEM 4440/CHEM 5440)

Physical measurement techniques in chemistry. Students should enroll concurrently with, or after, their second semester of physical chemistry. Prerequisite(s): [860:132](#) (CHEM 2310); [860:140](#) (CHEM 4420/CHEM 5420) or [860:141](#) (CHEM 4430/CHEM 5430) or [860:142](#) (CHEM 4410/CHEM 5410); junior standing. (Offered Spring)

860:144(g). Introduction to Nanoscience and Nanotechnology -- 3 hrs.

(CHEM 4200/CHEM 5200)

Introduction to nanoscale materials and processes; types of materials; chemical bonding and nanoscale interactions; nanoscale microscopy and spectroscopic methods of investigation. Prerequisite(s): [860:044](#) (CHEM 1110); [860:048](#) (CHEM 1120); [880:054](#) (PHYSICS 1511) or [880:130](#) (PHYSICS 1701); [880:056](#) (PHYSICS 1512) or [880:131](#) (PHYSICS 1702); junior standing. (Same as [880:144g](#) (PHYSICS 4200/5200)) (Offered Fall)

860:145(g). Inorganic Chemistry -- 3 hrs.

(CHEM 4110/CHEM 5110)

Applications of principles of physical chemistry to inorganic systems, with emphasis on chemistry of transition elements. Discussion, 3 periods. Prerequisite(s): [860:110](#) (CHEM 2110); [860:120](#) (CHEM 2210); [860:141](#) (CHEM 4430/CHEM 5430); junior standing. (Offered Fall)

860:148(g). Intermediate Nanoscience and Nanotechnology -- 3 hrs.

(CHEM 4210/CHEM 5210)

Study of nanoscale materials and processes, with emphasis on nanoscale microscopy and other experimental methods of investigation and control on the nanoscale. Prerequisite(s): [860:144/880:144](#) (PHYSICS 4200/PHYSICS 5200); junior standing. (Same as [880:148g](#) (PHYSICS 4210/5210)) (Offered Odd Springs)

860:149(g). Advanced Laboratory Techniques in Chemistry -- 2 hrs.

(CHEM 4610/CHEM 5610)

Advanced techniques in synthesis, purification, and characterization of organic and inorganic compounds. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): [860:110](#) (CHEM 2110); [860:121](#) (CHEM 2230); junior standing. Prerequisite(s) or corequisite(s): [860:123](#) (CHEM 2220); [860:141](#) (CHEM 4430/CHEM 5430). (Offered Fall)

860:154(g). Biochemistry I -- 4 hrs.

(BIOCHEM 4510/BIOCHEM 5510)

Structure and function of biologically-important molecules including amino acids, proteins, carbohydrates, lipids, and nucleic acids; intermediary metabolism; and enzyme kinetics. Lecture, 4 periods. Prerequisite(s): C- or higher in [860:123](#) (CHEM 2220); junior standing. (Offered Fall and Spring)

860:155(g). Biochemistry II -- 2 hrs.

(BIOCHEM 4520/BIOCHEM 5520)

Continuation of [860:154](#) (BIOCHEM 4510/BIOCHEM 5510). Bioenergetics, photosynthesis, additional metabolic pathways, enzyme mechanisms, macromolecular biosynthesis, recombinant DNA, and current topics in biochemistry. Lecture, 2 periods. Prerequisite(s): [860:154](#) (BIOCHEM 4510/BIOCHEM 5510); junior standing. (Offered Spring)

860:156(g). Biochemistry Laboratory -- 2 hrs.

(BIOCHEM 4530/BIOCHEM 5530)

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): [860:154](#) (BIOCHEM 4510/BIOCHEM 5510). (Offered Spring)

860:161(g). Organic Structure Analysis -- 3 hrs.

(CHEM 4220/CHEM 5220)

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): 860:121 (CHEM 2230); 860:132 (CHEM 2310); junior standing; consent of department head. Credit applied to B.S. Chemistry major requires additional prerequisite of 860:140 (CHEM 4420/CHEM 5420) or 860:141 (CHEM 4430/CHEM 5430). (Offered Odd Falls)

860:180. Undergraduate Research in Chemistry -- 1-3 hrs.

(CHEM 3600)

May be repeated for maximum of 6 hours. Prerequisite(s): 860:121 (CHEM 2230); 860:132 (CHEM 2310); consent of department head. Credit applied to B.S. Chemistry major requires additional prerequisite of 860:140 (CHEM 4420/CHEM 5420) or 860:141 (CHEM 4430/CHEM 5430). (Offered Fall, Spring, and Summer)

860:210. Advanced Inorganic Chemistry -- 3 hrs.

(CHEM 6110)

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): 860:145 (CHEM 4110/CHEM 5110) or consent of instructor. (Offered Odd Springs)

860:211. Corporate Chemistry -- 3 hrs.

(CHEM 6610)

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. (Offered Fall)

860:220. Advanced Organic Chemistry -- 3 hrs.

(CHEM 6210)

Product analysis, kinetics, and mechanism of organic reactions. May be repeated on different topics with consent of instructor. Discussion, 3 periods. Prerequisite(s): 860:123 (CHEM 2220); 860:141 (CHEM 4430/CHEM 5430); or consent of instructor. (Offered Even Falls)

860:240. Special Problems in Chemistry -- 1-6 hrs.

(CHEM 6620)

Credit determined at registration. Problems selected according to needs of students. Prerequisite(s): consent of department head. (Offered Fall and Spring)

860:241. Advanced Physical Chemistry -- 3 hrs.

(CHEM 6410)

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): 860:140 (CHEM 4420/CHEM 5420); 860:141 (CHEM 4430/CHEM 5430); or consent of instructor. (Offered Odd Falls)

860:242. Advanced Analytical Chemistry -- 3-4 hrs.

(CHEM 6310)

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): 860:137 (CHEM 4310/CHEM 5310); 860:140 (CHEM 4420/CHEM 5420); 860:141 (CHEM 4430/CHEM 5430); or consent of instructor. (Offered Even Springs)

860:254. Advanced Biochemistry -- 3 hrs.

(BIOCHEM 6510)

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): 860:154 (BIOCHEM 4510/BIOCHEM 5510); 860:155 (BIOCHEM 4520/BIOCHEM 5520). (Offered Odd Falls)

860:289. Seminar -- 1 hr.

(CHEM 6289)

Current topics in chemistry. May be repeated. (Offered Fall, Spring, and Summer)

860:292. Research Methods and Chemical Literature -- 1-3 hrs.

(CHEM 6630)

Concepts and procedures for developing a chemical research problem; use and importance of chemical literature. (Offered Fall, Spring, and Summer)

860:299. Research.

(CHEM 6299)

(Offered Fall, Spring, and Summer)

860:29R. Directed Research.

(CHEM 629R)

(Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog 870 Earth Science (EARTHSCI)

870:010. Astronomy -- 3-4 hrs.

(EARTHSCI 1100)

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. (Offered Fall, Spring, and Summer)

870:011. Astronomy Laboratory -- 1 hr.

(EARTHSCI 1110)

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): 870:010 (EARTHSCI 1100). (Offered Fall, Spring, and Summer)

870:021. Elements of Weather -- 3 hrs.

(EARTHSCI 1200)

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 870:121 (EARTHSCI 3210/EARTHSCI 5210). Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Offered Fall, Spring, and Summer)

870:022. Elements of Weather Laboratory -- 1 hr.

(EARTHSCI 1210)

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): 870:021 (EARTHSCI 1200). (Offered Fall and Spring)

870:031. Introduction to Geology -- 4 hrs.

(EARTHSCI 1300)

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. (Offered Fall and Spring)

870:035. Earth History -- 4 hrs.

(EARTHSCI 1320)

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): 870:031 (EARTHSCI 1300) or equivalent. (Offered Fall and Spring)

870:037. Field Studies in _____ -- 1-4 hrs.

(EARTHSCI 1410)

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)

870:109(g). Fundamentals of Astronomy -- 4 hrs.

(EARTHSCI 3100/EARTHSCI 5100)

Basic principles of astronomy intended primarily for inservice teachers. No credit for students with credit in 870:010 (EARTHSCI 1100) or its equivalent. Prerequisite(s): junior standing; consent of department head. (Offered Fall, Spring, and Summer)

870:111(g). Fundamentals of Weather -- 3 hrs.

(EARTHSCI 3200/EARTHSCI 5200)

Basic principles of meteorology intended primarily for inservice teachers. Prerequisite(s): junior standing; consent of department head. (Offered Fall and Spring)

870:113(g). Topics in Earth Science -- 1-3 hrs.

(EARTHSCI 3400/EARTHSCI 5400)

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. (Offered Fall, Spring, and Summer)

870:115(g). Volcanology -- 3 hrs.

(EARTHSCI 3305/EARTHSCI 5305)

Origin, classification, eruptive mechanisms, and hazards of volcanoes, and related phenomena. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): 870:031 (EARTHSCI 1300) or equivalent; junior standing. (Offered Odd Springs)

870:117. Earthquakes and Tsunamis -- 2 hrs.

(EARTHSCI 2315)

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. (Variable)

870:121(g). Meteorology -- 4 hrs.

(EARTHSCI 3210/EARTHSCI 5210)

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): 860:044 (CHEM 1110); 870:021 (EARTHSCI 1200); 880:054 (PHYSICS 1511) or 880:130 (PHYSICS 1701); junior standing. (Offered Fall)

870:122(g). Weather Analysis and Forecasting -- 3 hrs.

(EARTHSCI 3220/EARTHSCI 5220)

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): 870:121 (EARTHSCI 3210/EARTHSCI 5210); junior standing. (Offered Odd Springs)

870:123(g). Air Quality -- 4 hrs.

(EARTHSCI 3230/EARTHSCI 5230)

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): 800:060 (MATH 1420); 870:121 (EARTHSCI 3210/EARTHSCI 5210); junior standing. (Offered Even Springs)

870:124(g). Air Dispersion Modeling -- 4 hrs.

(EARTHSCI 3240/EARTHSCI 5240)

Fundamentals of numerical weather prediction; data assimilation; parameterization techniques; estimating emissions; puff and trajectory models; dispersion of dense gases; statistical models; atmospheric chemical transport models; urban and regional regulatory models. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): 800:061 (MATH 1421); 800:072 (STAT 1772); 810:036 (CS 1160); 870:123 (EARTHSCI 3230/EARTHSCI 5230); junior standing. (Offered Even Falls)

870:125. Fossils and Evolution -- 4 hrs.

(EARTHSCI 2320)

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. (Offered Spring)

870:128(g). Fundamentals of Geology -- 4 hrs.

(EARTHSCI 3300/EARTHSCI 5300)

Basic principles of physical geology intended primarily for inservice teachers. Prerequisite(s): junior standing; consent of department head. (Offered Fall and Spring)

870:129(g). Structural Geology -- 4 hrs.

(EARTHSCI 3310/EARTHSCI 5310)

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): 870:031 (EARTHSCI 1300); 870:035 (EARTHSCI 1320); junior standing. (Offered Even Springs)

870:130. Crystallography -- 2 hrs.

(EARTHSCI 2300)

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). (Offered Fall)

870:131. Systematic Mineralogy -- 2 hrs.

(EARTHSCI 2305)

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): 870:031 (EARTHSCI 1300); 870:130 (EARTHSCI 2300). (Offered Fall)

870:135. Optical Mineralogy-Petrography -- 4 hrs.

(EARTHSCI 3320)

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): 870:131 (EARTHSCI 2305). (Offered Spring)

870:136(g). Stratigraphy and Sedimentation -- 4 hrs.

(EARTHSCI 3325/EARTHSCI 5325)

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): 870:035 (EARTHSCI 1320). (Offered Fall)

870:137(g). Field Studies in _____ -- 1-4 hrs.

(EARTHSCI 3410/EARTHSCI 5410)

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)

870:141(g). Geomorphology -- 3 hrs.

(EARTHSCI 3330/EARTHSCI 5330)

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): 870:031 (EARTHSCI 1300) or 970:026 (GEOG 1210); junior standing. (Offered Fall)

870:142(g). Igneous Petrology -- 4 hrs.

(EARTHSCI 3335/EARTHSCI 5335)

Description, classification, and genesis of igneous rocks. Discussion, 2 periods; lab, 6 periods. Field trip.

Prerequisite(s): 870:135 (EARTHSCI 3320); junior standing. (Offered Even Falls)

870:151. Planets -- 2 hrs.

(EARTHSCI 2120)

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):

870:010 (EARTHSCI 1100) or equivalent. (Offered Spring)

870:152. Stars -- 2 hrs.

(EARTHSCI 2130)

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): 870:010 (EARTHSCI 1100) or equivalent. (Offered Odd Springs)

870:153. Galaxies and Cosmology -- 2 hrs.

(EARTHSCI 2140)

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): 870:010 (EARTHSCI 1100) or equivalent. (Offered Even Springs)

870:154(g). Observational Astronomy -- 2 hrs.

(EARTHSCI 3110/EARTHSCI 5110)

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): 870:010 (EARTHSCI 1100) (4 semester hours) or equivalent; junior standing.

(Offered Fall)

870:165(g). Oceanography -- 3 hrs.

(EARTHSCI 3340/EARTHSCI 5340)

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): 870:031 (EARTHSCI 1300)

or equivalent; junior standing. (Offered Even Springs)

870:171(g). Environmental Geology -- 3 hrs.

(EARTHSCI 3345/EARTHSCI 5345)

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): 870:031

(EARTHSCI 1300) or equivalent; junior standing. (Offered Odd Falls)

870:173(g). Environmental Hydrology -- 3 hrs.

(EARTHSCI 3350/EARTHSCI 5350)

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): 870:031 (EARTHSCI 1300); junior standing. (Offered Even Springs)

870:175(g). Hydrogeology -- 3 hrs.

(EARTHSCI 3355/EARTHSCI 5355)

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): [870:031](#) (EARTHSCI 1300); junior standing. (Offered Odd Springs)

870:177(g). Measurement and Analysis of Air Quality -- 4 hrs.

(EARTHSCI 3250/EARTHSCI 5250)

Fundamentals of air sampling and monitoring; estimating errors; collection and analysis of gases and particulates; olfactometry; remote sensing with satellites and lidar; indoor air quality. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): [800:060](#) (MATH 1420); [860:132](#) (CHEM 2310); [870:123](#) (EARTHSCI 3230/EARTHSCI 5230); junior standing. (Offered Odd Springs)

870:180. Undergraduate Research in Earth Science -- 1-3 hrs.

(EARTHSCI 4400)

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. (Offered Fall, Spring, and Summer)

870:181. Investigations in Earth Science -- 4 hrs.

(EARTHSCI 2500)

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): [820:033](#) (SCI ED 1100). (Offered Odd Springs)

870:189(g). Readings in Earth Science -- 1-3 hrs.

(EARTHSCI 3420/EARTHSCI 5420)

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)

870:195. Internship -- 1-6 hrs.

(EARTHSCI 3430)

Supervised work experience in approved work situation. Offered on credit/no credit basis only. Prerequisite(s): consent of department head. (Offered Fall, Spring, and Summer)

870:292. Research Methods in Earth Science -- 3 hrs.

(EARTHSCI 6400)

Methods and evaluation of research in the earth sciences. Individual exploration of possible research or thesis project. Discussion, 3 periods. (Variable)

870:297. Practicum.

(EARTHSCI 6297)

(Variable)

870:299. Research.

(EARTHSCI 6299)

(Variable)

2010-2012 UNI Catalog 880 Physics (PHYSICS)

880:011. Conceptual Physics -- 4 hrs.

(PHYSICS 1400)

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 [880:011](#) (PHYSICS 1400) and [880:012](#) (PHYSICS 1000). Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Offered Fall and Spring)

880:012. Physics in Everyday Life -- 3 hrs.

(PHYSICS 1000)

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 [880:011](#) (PHYSICS 1400) and [880:012](#) (PHYSICS 1000). Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Offered Fall and Spring)

880:054. General Physics I -- 4 hrs.

(PHYSICS 1511)

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. (Offered Fall and Spring)

880:056. General Physics II -- 4 hrs.

(PHYSICS 1512)

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): [880:054](#) (PHYSICS 1511) or [880:130](#) (PHYSICS 1701). (Offered Fall and Spring)

880:080. Projects in Basic Robotics and Sensors -- 1 hr.

(PHYSICS 1800)

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): [880:054](#) (PHYSICS 1511) and [880:056](#) (PHYSICS 1512), or [880:130](#) (PHYSICS 1701) and [880:131](#) (PHYSICS 1702), or [800:046](#) (MATH 1140) and [330:037](#) (TECH 1037), or [810:041](#) (CS 1410) or [810:051](#) (CS 1510). (Offered Fall and Spring)

880:130. Physics I for Science and Engineering -- 4 hrs.

(PHYSICS 1701)

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): [800:060](#) (MATH 1420). (Offered Fall)

880:131. Physics II for Science and Engineering -- 4 hrs.

(PHYSICS 1702)

Calculus-based introductory course covering electricity, magnetism, and optics. Lab activities. Discussion/lab, 5 periods. Prerequisite(s): [880:054](#) (PHYSICS 1511) (minimum grade of B) or [880:130](#) (PHYSICS 1701). Prerequisite(s) or corequisite(s): [800:061](#) (MATH 1421). (Offered Spring)

880:132. Physics III: Theory and Simulation -- 3 hrs.

(PHYSICS 2300)

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): [880:131](#) (PHYSICS 1702).

(Offered Fall)

880:136(g). Thermodynamics and Statistical Mechanics -- 4 hrs.

(PHYSICS 4900/PHYSICS 5900)

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): [800:062](#) (MATH 2422); [880:132](#) (PHYSICS 2300); [880:137](#) (PHYSICS 4100/PHYSICS 5100); junior standing. (Offered Even Falls)

880:137(g). Modern Physics -- 4 hrs.

(PHYSICS 4100/PHYSICS 5100)

Special relativity; quantum phenomena; wave-particle duality; atomic and nuclear structure; properties of solids, interaction of radiation with matter; and elementary particles. Prerequisite(s): [880:131](#) (PHYSICS 1702); junior standing. (Offered Spring)

880:138(g). Modern Physics Laboratory -- 2 hrs.

(PHYSICS 4110/PHYSICS 5110)

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): [880:137](#) (PHYSICS 4100/PHYSICS 5100). (Offered Spring)

880:140(g). Holography, Imaging, and Optical Measurement -- 3 hrs.

(PHYSICS 4050/PHYSICS 5050)

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): [880:056](#) (PHYSICS 1512) or [880:131](#) (PHYSICS 1702); junior standing or consent of department head. (Offered Even Falls)

880:144(g). Introduction to Nanoscience and Nanotechnology -- 3 hrs.

(PHYSICS 4200/PHYSICS 5200)

Introduction to nanoscale materials and processes; types of materials; chemical bonding and nanoscale interactions; nanoscale microscopy and spectroscopic methods of investigation. Prerequisite(s): [860:044](#) (CHEM 1110); [860:048](#) (CHEM 1120); [880:054](#) (PHYSICS 1511) or [880:130](#) (PHYSICS 1701); [880:056](#) (PHYSICS 1512) or [880:131](#) (PHYSICS 1702); junior standing. (Same as [860:144g](#) (CHEM 4200/5200)) (Offered Fall)

880:148(g). Intermediate Nanoscience and Nanotechnology -- 3 hrs.

(PHYSICS 4210/PHYSICS 5210)

Study of nanoscale materials and processes, with emphasis on nanoscale microscopy and other experimental methods of investigation and control on the nanoscale. Prerequisite(s): [860:144/880:144](#) (PHYSICS 4200/PHYSICS 5200); junior standing. (Same as [860:148g](#) (CHEM 4210/5210)) (Offered Odd Springs)

880:150(g). Computational Physics -- 3 hrs.

(PHYSICS 4860/PHYSICS 5860)

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): [800:149](#) (MATH 3425/MATH 5425); [880:132](#) (PHYSICS 2300); [880:137](#) (PHYSICS 4100/PHYSICS 5100); junior standing. (Offered Odd Falls)

880:152(g). Introduction to Electronics -- 4 hrs.

(PHYSICS 4300/PHYSICS 5300)

Basic DC and AC circuits; electrical measurements; power supplies; transistor circuits; operational amplifier circuits. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): [880:056](#) (PHYSICS 1512) or [880:131](#) (PHYSICS 1702); junior standing or consent of department head. (Offered Fall)

880:154(g). Digital Electronics and Robotics -- 4 hrs.

(PHYSICS 4310/PHYSICS 5310)

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): 880:152 (PHYSICS 4300/PHYSICS 5300) or equivalent; junior standing. (Offered Even Springs)

880:157(g). Fundamentals of Physics I -- 4 hrs.

(PHYSICS 4000/PHYSICS 5000)

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 880:054 (PHYSICS 1511) 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. (Offered Fall and Spring)

880:166(g). Classical Mechanics -- 4 hrs.

(PHYSICS 4600/PHYSICS 5600)

Vectors and kinematics; force and motion; work and energy; Lagrange's equations; gravity; oscillations; rigid-body motion; and accelerated reference frames. Prerequisite(s): 800:061 (MATH 1421); 880:132 (PHYSICS 2300); junior standing. (Offered Odd Falls)

880:167(g). Electrodynamics -- 4 hrs.

(PHYSICS 4700/PHYSICS 5700)

Vector calculus. Electrostatic fields and dielectrics; magnetic fields, magnetic forces, and magnetic materials; Maxwell's equations and electromagnetic waves. Prerequisite(s): 880:132 (PHYSICS 2300); junior standing. (Offered Even Springs)

880:172(g). Quantum Mechanics -- 4 hrs.

(PHYSICS 4800/PHYSICS 5800)

Solution of Schrodinger equation for several systems: spin and angular momentum; identical particles; perturbation theory; WKB approximation; and scattering. Prerequisite(s): 800:149 (MATH 3425/MATH 5425); 880:137 (PHYSICS 4100/PHYSICS 5100); 880:166 (PHYSICS 4600/PHYSICS 5600) or consent of instructor; junior standing. (Offered Odd Springs)

880:174(g). Physics of Modern Materials -- 3 hrs.

(PHYSICS 4750/PHYSICS 5750)

Structural, thermal, and electronic properties of materials; applications to modern devices. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): 880:137 (PHYSICS 4100/PHYSICS 5100); 880:138 (PHYSICS 4110/PHYSICS 5110); junior standing. (Offered Even Falls)

880:179. Cooperative Education.

(PHYSICS 3179)

Applied physics internship under 880:179 (PHYSICS 3179) should be taken during the junior or senior year. If unable to do so, the internship may be done under 880:184 (PHYSICS 3500) with consent of department. Successful completion of either 880:179 (PHYSICS 3179) or 880:184 (PHYSICS 3500) requires both a written and an oral report. Offered on credit/no credit basis only. (Offered Fall and Spring)

880:180. Undergraduate Research in Physics -- 1-6 hrs.

(PHYSICS 3000)

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. (Offered Fall and Spring)

880:184. Internship in Applied Physics -- 1-3 hrs.

(PHYSICS 3500)

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. (Offered Fall and Spring)

880:185(g). Laboratory Projects -- 1-3 hrs.

(PHYSICS 4450/PHYSICS 5450)

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. (Offered Fall and Spring)

880:187. Physics Seminar -- 1 hr.

(PHYSICS 3700)

Participation in at least 12 physics colloquia; oral report on research topic or internship. Prerequisite(s): junior standing. (Offered Fall and Spring)

880:189(g). Readings in Physics -- 1-3 hrs.

(PHYSICS 4950/PHYSICS 5950)

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)

880:205. Modeling and Simulation of Physical Systems -- 3 hrs.

(PHYSICS 6100)

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): 810:036 (CS 1160) and 880:150 (PHYSICS 4860/PHYSICS 5860), or 800:176 (MATH 3440/MATH 5440) and 810:036 (CS 1160), or consent of instructor. (Offered Spring)

880:220. Computer Interfacing and Signal Processing -- 3 hrs.

(PHYSICS 6300)

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): 880:132 (PHYSICS 2300); 880:152 (PHYSICS 4300/PHYSICS 5300). (Offered Odd Springs)

880:250. Special Problems in Physics -- 1-6 hrs.

(PHYSICS 6500)

Credit determined at registration. Problems selected according to needs of students. Prerequisite(s): consent of department. (Variable)

880:299. Research.

(PHYSICS 6299)

(Variable)

2010-2012 UNI Catalog
890 Iowa Lakeside Laboratory (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, art, biology, ecology, environmental science, hydrology, evolution, geology, soils, taxonomy). 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]. E-mail: iowalakesidelab@www.continuetolearn.uiowa.edu.) Early registration is advisable because enrollment in Lakeside courses is limited.

890:010. Earth, Air and Sky -- 3 hrs.

(IA LL 2010)

Introduction to the essentials of earth science (astronomy, meteorology, geology, and paleontology). (Offered Summer)

890:019. Soils and Environmental Quality -- 4 hrs.

(IA LL 2019)

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. (Offered Summer)

890:030. Natural History Workshop -- 1-2 hrs.

(IA LL 2030)

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 (*Formerly 890:130g*)

890:040. Archaeology -- 4 hrs.

(IA LL 2040)

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. (Offered Summer)

890:043. Illustrating Nature-Sketching -- 2 hrs.

(IA LL 2043)

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. (Offered Summer)

890:044. Illustrating Nature - Photography -- 2 hrs.

(IA LL 2044)

Beginning to intermediate technical and compositional aspects of color photography of natural areas and their plants and animals. (Offered Summer)

890:050. Undergraduate Internships -- 1-5 hrs.

(IA LL 2045)

Placement with county conservation boards, camps, parks, etc., for experience as interpreters, rangers, and technicians. Prerequisite(s): sophomore standing; consent of instructor. (Offered Summer)

890:064. Biology of Aquatic Plants -- 4 hrs.

(IA LL 2046)

Field-oriented introduction to the taxonomy and ecology of aquatic plants in lakes, wetlands, and rivers. Individual or group projects. (Offered Summer)

890:100(g). Techniques For Biology Teaching -- 1-2 hrs.

(IA LL 3100/IA LL 5100)

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. (Offered Summer)

890:102(g). Plant-Animal Interactions -- 4 hrs.

(IA LL 3102/IA LL 5102)

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)

890:103(g). Aquatic Ecology -- 4 hrs.

(IA LL 3103/IA LL 5103)

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. (Offered Summer)

890:105(g). Plant Taxonomy -- 4 hrs.

(IA LL 3105/IA LL 5105)

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. (Offered Summer)

890:109(g). Freshwater Algae -- 4 hrs.

(IA LL 3109/IA LL 5109)

Structure and taxonomy of freshwater algae based on field-collected material. Emphasis on genus-level identifications, habitats; visited locations include lakes, fens, streams, and rivers; algal ecology. Prerequisite(s): junior standing. (Offered Summer)

890:111(g). Summer Writing Festival at Iowa Lakeside Laboratory -- 1 hr.

(IA LL 3111/IA LL 5111)

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. (Offered Summer)

890:119(g). Evolution -- 4 hrs.

(IA LL 3119/IA LL 5119)

Mechanisms and patterns in microevolution and macroevolution. Field exercises emphasize studies of natural selection, adaptation, genetic variation, and population genetics of local plant and animal populations. Prerequisite(s): junior standing. (Variable)

890:121(g). Plant Ecology -- 4 hrs.

(IA LL 3121/IA LL 5121)

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. (Offered Summer)

890:122(g). Prairie Ecology -- 4 hrs.

(IA LL 3122/IA LL 5122)

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. (Offered Summer)

890:124(g). Wetland Ecology -- 4 hrs.

(IA LL 3124/IA LL 5124)

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. (Offered Summer)

890:126(g). Ornithology -- 4 hrs.

(IA LL 3126/IA LL 5126)

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. (Offered Summer)

890:127(g). Introduction to Insect Ecology -- 4 hrs.

(IA LL 3127/IA LL 5127)

Field and laboratory study of insects, their diversity, and life history. Emphasis on ecology and behavior. Prerequisite(s): junior standing. (Variable)

890:128(g). Fish Ecology -- 4 hrs.

(IA LL 3128/IA LL 5128)

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. (Offered Summer)

890:129(g). Vertebrate Ecology and Evolution -- 4 hrs.

(IA LL 3129/IA LL 5129)

Field and laboratory study of representative vertebrates of northwestern Iowa. Observations and experimentation emphasize ecological histories by integrating concepts of functional morphology, behavioral ecology, and evolutionary biology. Prerequisite(s): junior standing. (Variable)

890:132. Ecology -- 4 hrs.

(IA LL 3132)

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. (Formerly 890:031) (Offered Summer)

890:134(g). Animals and their Ecosystems -- 4 hrs.

(IA LL 3134/IA LL 5134)

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. (Offered Summer)

890:135(g). Aquatic Toxicology and Wetland Dynamics in Freshwater Systems -- 2-4 hrs.

(IA LL 3135/IA LL 5135)

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. (Offered Summer)

890:140(g). Water Policy & Politics -- 1 hr.

(IA LL 3140/IA LL 5140)

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. (Offered Summer)

890:142(g). Watershed Hydrology and Surficial Processes -- 4 hrs.

(IA LL 3142/IA LL 5142)

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. (Offered Summer)

890:144(g). Ecosystems of North America -- 2-4 hrs.

(IA LL 3144/IA LL 5144)

Extended field trip to study a particular type of ecosystem (prairie, coastal wetland, forest, alpine, coral reefs, etc.) or the ecosystems of a specific region (Rocky Mountains, Gulf Coast, Appalachian Mountains, Deserts of the Southwest, Central America, etc.). Prior to the field trip, there will be an orientation period and after each field trip a review and synthesis period. A field trip fee will be assessed to cover travel expenses. Prerequisite(s): general ecology course and consent of instructor; junior standing. (Offered Summer)

890:155. Freshwater Invertebrates -- 4 hrs.

(IA LL 3155/IA LL 5155)

Field-oriented introduction to the identification, life history, and ecology of common, free-living freshwater invertebrates of north-temperate lakes, rivers, and wetlands. Emphasis on the role of invertebrates in aquatic food chains and litter processing. Prerequisite(s): one or more ecology courses; junior standing. (Variable)

890:156(g). Advanced Field Ornithology -- 2 hrs.

(IA LL 4156/IA LL 5156)

Field study of birds of the upper Midwest; extended field trip to Minnesota and Wisconsin; individual or group project. Field trip fee. Prerequisite(s): junior standing. Corequisite(s): 890:126g (IA LL 3126/IA LL 5126). (Variable)

890:160(g). Restoration Ecology -- 4 hrs.

(IA LL 3160/IA LL 5160)

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. (Offered Summer)

890:161(g). Introduction To GIS -- 4 hrs.

(IA LL 3161/IA LL 5161)

Descriptive and predictive GIS modeling techniques, spatial statistics, and map algebra. Application of GIS modeling techniques to environmental planning and resource management. Prerequisite(s): junior standing. (Offered Summer)

890:163. Conservation Biology -- 4 hrs.

(IA LL 3163)

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. (Formerly 890:263) (Offered Summer)

890:165(g). Behavioral Ecology -- 4 hrs.

(IA LL 3165/IA LL 5165)

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. (Offered Summer)

890:166(g). Amphibians & Reptiles -- 4 hrs.

(IA LL 3166/IA LL 5166)

Ecology, behavior, and conservation biology of amphibians and reptiles. Emphasis on their anatomy and morphology, temperature and water regulation, locomotion, life history, reproduction, population and community ecology, and conservation. Prerequisite(s): two courses in the biological sciences; junior standing. (Offered Summer)

890:175(g). Soil Genesis and Landscape Relationships -- 4 hrs.

(IA LL 3175/IA LL 5175)

Relationships between soil formation, geomorphology, and environment. Soil description, classification, geography, mapping, and interpretation for land use. Prerequisite(s): introductory soils course or 890:142 (IA LL 3142/IA LL 5142); junior standing. (Offered Summer)

890:178. Analysis of Environmental Data -- 2 hrs.

(IA LL 4178/IA LL 5178)

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. (Offered Summer)

890:193. Undergraduate Research -- 1-4 hrs.

(IA LL 4193)

Prerequisite(s): junior standing; consent of instructor. (Variable)

890:198. Undergraduate Independent Study -- 1-4 hrs.

(IA LL 4198)

Prerequisite(s): junior standing; consent of instructor. (Variable)

890:210. Global Climate Change: Causes, Connections and Cures -- 2 hrs.

(IA LL 6210)

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. (Offered Summer)

890:215. Field Mycology -- 4 hrs.

(IA LL 6215)

Identification and classification of the common fungi; techniques for identification, preservation, and culture practiced with members of the various fungi groups. (Offered Summer)

890:217. Ecology and Systematics of Diatoms -- 4 hrs.

(IA LL 6217)

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. (Offered Summer)

890:225. Physical Limnology -- 2-4 hrs.

(IA LL 6225)

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. (Offered Summer)

890:240. Natural History Workshop -- 1-3 hrs.

(IA LL 6240)

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)

890:286. Studies in _____ -- 1-4 hrs.

(IA LL 6286)

Prerequisite(s): graduate standing and consent of instructor. (Variable)

890:291. Graduate Internships -- 1-5 hrs.

(IA LL 6291)

Placement with county conservation boards, camps, parks, schools, etc., for experience as interpreters, rangers, technicians, and teachers. Prerequisite(s): consent of instructor. (Variable)

890:299. Research -- 1-4 hrs.

(IA LL 6299)

Prerequisite(s): consent of instructor. (Variable)

2010-2012 UNI Catalog
900 Social Science (SOC SCI)

900:020. Women, Men, and Society -- 3 hrs.

(SOC SCI 1020)

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). (Offered Fall and Spring)

900:023. American Civilization -- 3 hrs.

(SOC SCI 1023)

Interdisciplinary study of American civilization as a developing society, culture, and nation over four centuries. Through an integration of history, literature and the arts, major themes and their interrelationships within the American experience will be identified and analyzed. Liberal Arts Core credit for all students. (Variable)

900:041. Social Welfare: A World View -- 3 hrs.

(SOC SCI 1041)

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 450:041 (SW 1041)) (Offered Fall and Spring)

900:045. American Racial and Ethnic Minorities -- 3 hrs.

(SOC SCI 1045)

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 450:045 (SW 2045) and 980:045 (SOC 1045)) (Offered Fall and Spring)

900:150. Senior Seminar in Women's and Gender Studies -- 1 hr.

(WGS 4150)

Students synthesize and extend knowledge gained from previous course work and apply it to their major in a professional portfolio. Prerequisite(s): a declared Women's and Gender Studies minor; senior standing; or consent of instructor. (Offered Spring)

900:190. The Teaching of the Social Studies -- 3 hrs.

(SOC SCI 4190)

Ordinarily should precede student teaching. Prerequisite(s): 12 hours in social science; senior standing. Corequisite(s): 900:191 (SOC SCI 4191). (Variable)

900:191. Field Experience: Teaching Social Studies -- 1 hr.

(SOC SCI 4191)

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): 900:190 (SOC SCI 4190). (Variable)

900:195. Internship in Women's and Gender Studies -- 1-3 hrs.

(WGS 3195)

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 or consent of instructor. (Variable)

900:199(g). Study Tour -- 1-8 hrs.

(SOC SCI 4199/SOC SCI 5199)

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)

900:297. Practicum.

(SOC SCI 6297)

(Variable)

900:299. Research.

(SOC SCI 6299)

(Variable)

2010-2012 UNI Catalog 920 Economics (ECON)

920:020. Introduction to Decision Techniques -- 3 hrs.

(ECON 1021)

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): [800:072](#) (STAT 1772) or equivalent. (Offered Fall, Spring, and Summer)

920:024. Introduction to Economics -- 3 hrs.

(ECON 1031)

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 [920:053](#) (ECON 1041) or [920:054](#) (ECON 1051). May not be used for credit on major or minor. (Offered Fall, Spring, and Summer)

920:053. Principles of Macroeconomics -- 3 hrs.

(ECON 1041)

Introduction to the economizing problem and economic institutions. National income determination, monetary and fiscal policy, and global economic issues. (Offered Fall, Spring, and Summer)

920:054. Principles of Microeconomics -- 3 hrs.

(ECON 1051)

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): [920:053](#) (ECON 1041). (Offered Fall, Spring, and Summer)

920:070. Business Statistics -- 3 hrs.

(ECON 1011)

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): [800:072](#) (STAT 1772) or equivalent. (Offered Fall, Spring, and Summer)

920:103. Intermediate Macroeconomic Theory -- 3 hrs.

(ECON 2122)

Intermediate level macroeconomics. Determinants of aggregate demand, national product and employment; and macroeconomics objectives and policies. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051). (Offered Fall and Spring)

920:104. Intermediate Microeconomic Theory -- 3 hrs.

(ECON 2112)

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): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051). (Offered Fall and Spring)

920:113. Money and Banking -- 3 hrs.

(ECON 2132)

Money, commercial banking, the Federal Reserve System, and monetary policy. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051). (Offered Fall and Spring)

920:116(g). Economics of Labor Markets -- 3 hrs.

(ECON 3217/ECON 5217)

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): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Variable)

920:117(g). Public Finance -- 3 hrs.

(ECON 3221/ECON 5221)

Taxation and government expenditures; fiscal policy. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Offered Spring)

920:123(g). Environmental Economics -- 3 hrs.

(ECON 3225/ECON 5225)

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): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Variable)

920:125(g). Cost-Benefit Analysis -- 3 hrs.

(ECON 3229/ECON 5229)

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): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Offered Fall)

920:128(g). Law and Economics -- 3 hrs.

(ECON 3231/ECON 5231)

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): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Variable)

920:131(g). Sports Economics -- 3 hrs.

(ECON 3237/ECON 5237)

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): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); or consent of instructor; junior standing. (Variable)

920:135(g). The Organization of American Industry -- 3 hrs.

(ECON 3241/ECON 5241)

Structure, conduct, and performance of firms, industries, and market. Policies to maintain competition. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Variable)

920:136(g). International Economics -- 3 hrs.

(ECON 3245/ECON 5245)

International trade theory, trade strategies, economic unions, and factor movements. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Variable)

920:143(g). Economic Development -- 3 hrs.

(ECON 3249/ECON 5249)

Characteristics of developing nations, causes of underdevelopment, development theories, and development strategies. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Variable)

920:148(g). Urban and Regional Economics -- 3 hrs.

(ECON 3253/ECON 5253)

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): [920:053](#) (ECON 1041) and [920:054](#) (ECON 1051), or consent of instructor; junior standing. (Variable)

920:160(g). Managerial Economics -- 3 hrs.

(ECON 3425/ECON 5425)

Application of economic theory and methods to business and administrative decision making. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); [920:104](#) (ECON 2112) or consent of instructor; junior standing. (Variable)

920:168(g). Mathematical Economics -- 3 hrs.

(ECON 3269/ECON 5269)

Application of mathematics to economics with an emphasis on matrices and introductory calculus. Prerequisite(s): [920:053](#) (ECON 1041) and [920:054](#) (ECON 1051), or consent of instructor; junior standing. (Variable)

920:169(g). Introduction to Econometrics -- 3 hrs.

(ECON 3373/ECON 5373)

Econometric techniques and the development of statistical techniques unique to the 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): [800:072](#) (STAT 1772); [920:053](#) (ECON 1041) and [920:054](#) (ECON 1051), or consent of instructor; junior standing. (Offered Spring)

920:170(g). History of Economic Thought -- 3 hrs.

(ECON 3257/ECON 5257)

Development of economic theory from early Greeks to John Maynard Keynes. Special emphasis given to Adam Smith, Karl Marx, and Thorstein Veblen. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Variable)

920:175(g). International Financial Economics -- 3 hrs.

(ECON 3261/ECON 5261)

International financial theories and analysis of balance of payments, alternative exchange rate regimes, and capital movements. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); junior standing. (Variable)

920:177. Internship in Community Economic Development -- 1-3 hrs.

(ECON 3077)

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): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); [920:125](#) (ECON 3229/ECON 5229); [920:148](#) (ECON 3253/ECON 5253); junior standing or consent of department head. (Offered Fall, Spring, and Summer)

920:179. Cooperative Education in Economics -- 1-3 hrs.

(ECON 3179)

Compensated work experience in conjunction with an academic project conducted under faculty guidance. University elective credit is given on a graded basis. Prerequisite(s): [920:103](#) (ECON 2122); [920:104](#) (ECON 2112); cumulative UNI GPA of 3.00 or higher required prior to application; consent of department head. (Offered Fall, Spring, and Summer)

920:181(g). Directed Research in Economics -- 3 hrs.

(ECON 4380/ECON 5380)

Students demonstrate their grasp of economic theory and their writing abilities. Prerequisite(s): [920:053](#) (ECON 1041); [920:054](#) (ECON 1051); [920:103](#) (ECON 2122); [920:104](#) (ECON 2112); senior standing; Economics major. (Offered Spring)

920:260. Managerial Economics -- 3 hrs.

(ECON 6520)

Application of economic theory and methods to business and administrative decision making. Prerequisite(s): 920:024 (ECON 1031) or equivalent; consent of MBA Director. (Offered Fall)

920:285. Individual Readings -- 1-3 hrs.

(ECON 6285)

Prerequisite(s): consent of MBA Director and department head. (Offered Fall, Spring, and Summer)

920:299. Research -- 1-6 hrs.

(ECON 6299)

Prerequisite(s): consent of MBA Director and department head. (Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog
940 (General Politics) (POL GEN)

940:010. Scope and Methods of Political Science -- 3 hrs.

(POL GEN 2010)

Introduction to qualitative and quantitative research methods in political science. (Offered Fall and Spring)

940:020. Contemporary Political Problems -- 3 hrs.

(POL GEN 1020)

Analysis of selected contemporary political issues. Focus may be on local, state, national, or international level. (Variable)

940:111. Introduction to Quantitative Methods in Political Science -- 3 hrs.

(POL GEN 3111)

Introduction to basic statistical methods appropriate to data analysis in political science and public administration. (Offered Fall)

940:181. Internship in Politics -- 4-8 hrs.

(POL GEN 3181)

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): 940:010 (POL GEN 2010); 15 hours of political science; Political Science, Political Communication, or Public Administration major; junior standing or consent of department. (Offered Fall, Spring, and Summer)

940:184. Senior Seminar in Political Science -- 3 hrs.

(POL GEN 3184)

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. (Offered Fall and Spring)

940:188. Seminar in Political Science -- 3 hrs.

(POL GEN 3188)

Undergraduate seminar covering selected advanced topics in political science. Prerequisite(s): junior standing; completion of a minimum of 12 hours in major. (Variable)

940:189(g). Readings in Political Science -- 1-3 hrs.

(POL GEN 4189/POL GEN 5189)

May be repeated only with consent of department. Prerequisite(s): 12 hours in political science; junior standing; consent of department. (Offered Fall, Spring, and Summer)

940:198. Independent Study.

(POL GEN 4198)

(Offered Fall, Spring, and Summer)

940:285. Individual Readings -- 1-3 hrs.

(POL GEN 6285)

May be repeated. (Offered Fall, Spring, and Summer)

940:299. Research.

(POL GEN 6299)

(Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog
941 (Political Theory) (POL THRY)

941:050. Introduction to Political Theory: Freedom, Justice and Power -- 3 hrs.

(POL THRY 1050)

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? (Offered Fall and Spring)

941:122. Theories of Democracy -- 3 hrs.

(POL THRY 3122)

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)

941:129. American Political Thought -- 3 hrs.

(POL THRY 3129)

Founding theories of American political practice (Jefferson, Madison, and others); analysis of fundamental American political ideals including rights, freedom, and equality. (Variable)

941:160. Classical Political Theory -- 3 hrs.

(POL THRY 3160)

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)

941:161. Modern Political Theory -- 3 hrs.

(POL THRY 3161)

Western political thought from Machiavelli to Nietzsche, including the philosophical foundations for the American system of government (liberal and civic republican thought). (Variable)

2010-2012 UNI Catalog
942 (American Politics) (POL AMER)

942:014. Introduction to American Politics -- 3 hrs.

(POL AMER 1014)

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. (Offered Fall and Spring)

942:048. Introduction to Public Administration -- 3 hrs.

(POL AMER 1048)

Role of bureaucracy in policy making and implementation in a representative government. Theories, concepts, and selected case studies in public administration. (Offered Fall and Spring)

942:112. Campaigns and Elections -- 3 hrs.

(POL AMER 3112)

Systematic examination of structure and functions of modern electoral campaigns for national, state, and local offices. (Offered Even Falls)

942:130. Iowa Politics -- 3 hrs.

(POL AMER 3130)

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. (Variable)

942:131. American State Politics -- 3 hrs.

(POL AMER 2131)

Analysis of organization, functions, and operation of state and local governments. Prerequisite(s): sophomore standing or consent of instructor. (Offered Fall)

942:132. Community Politics -- 3 hrs.

(POL AMER 3132)

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. (Offered Spring)

942:134. Legislative Politics -- 3 hrs.

(POL AMER 3134)

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): [942:014](#) (POL AMER 1014). (Offered Fall)

942:141. Constitutional Law -- 3 hrs.

(POL AMER 3141)

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): [942:014](#) (POL AMER 1014) or [942:146](#) (POL AMER 3146) or [942:147](#) (POL AMER 3147). (Offered Fall)

942:142(g). Problems in Juvenile and Family Law -- 3 hrs.

(POL AMER 4142/POL AMER 5142)

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. (Offered Fall and Spring)

942:143(g). Citizen Participation and Civic Engagement -- 3 hrs.

(POL AMER 4143/POL AMER 5143)

Introduces the key issues and problems affecting citizen participation and engagement at the community and national levels. Prerequisite(s): junior standing. (Offered Spring)

942:144. Civil Rights and Liberties -- 3 hrs.

(POL AMER 3144)

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. (Offered Spring)

942:146. Law and Politics -- 3 hrs.

(POL AMER 3146)

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. (Offered Spring)

942:147. Law and the Courts -- 3 hrs.

(POL AMER 3147)

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. (Offered Fall)

942:150. Public Opinion and Voting Behavior -- 3 hrs.

(POL AMER 3150)

Theoretical and empirical analyses of public opinion, political attitudes, political socialization, as well as voting behavior and political participation. (Offered Spring)

942:151. Modern Presidency -- 3 hrs.

(POL AMER 3151)

Examination of constitutional, electoral, administrative, and political aspects of the modern American presidency as they have evolved from FDR to the present. Prerequisite(s): [942:014](#) (POL AMER 1014). (Offered Spring)

942:153(g). Public Organizations -- 3 hrs.

(POL AMER 4153/POL AMER 5153)

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): [942:014](#) (POL AMER 1014) or [942:048](#) (POL AMER 1048); junior standing. (Offered Fall)

942:166. Political Parties and Interest Groups -- 3 hrs.

(POL AMER 3166)

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): [942:014](#) (POL AMER 1014); junior standing. (Variable)

942:172. Public Budgeting -- 3 hrs.

(POL AMER 3172)

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): [942:014](#) (POL AMER 1014); [942:048](#) (POL AMER 1048). (Offered Spring)

942:173(g). The Public Policy Process -- 3 hrs.

(POL AMER 4173/POL AMER 5173)

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): [942:014](#) (POL AMER 1014); [942:048](#) (POL AMER 1048); junior standing. (Offered Fall)

942:174. Public Personnel Administration -- 3 hrs.

(POL AMER 3174)

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): 942:014 (POL AMER 1014); 942:048 (POL AMER 1048). (Offered Spring)

942:176(g). Topics in Public Policy -- 3 hrs.

(POL AMER 4176/POL AMER 5176)

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)

942:177(g). Political Psychology -- 3 hrs.

(POL AMER 4177/POL AMER 5177)

Explores the connections between psychology and political phenomena, including leadership, decision making, intergroup relations, and persuasion. Prerequisite(s): junior standing. (Variable)

942:188(g). Seminar in Public Administration -- 3 hrs.

(POL AMER 4188/POL AMER 5188)

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): 942:048 (POL AMER 1048); junior standing. (Offered Spring)

2010-2012 UNI Catalog
943 (International Relations) (POL INTL)

943:024. International Relations -- 3 hrs.

(POL INTL 1024)

Survey of various approaches to international relations with special emphasis on application to historical and contemporary cases.

(Offered Fall and Spring)

943:119(g). Politics of the Global Economy -- 3 hrs.

(POL INTL 4119/POL INTL 5119)

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): 943:024 (POL INTL 1024); junior standing. (Offered Spring)

943:120. International Security -- 3 hrs.

(POL INTL 3120)

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. (Offered Fall)

943:125(g). North-South Relations -- 3 hrs.

(POL INTL 4125/POL INTL 5125)

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. (Offered Even Falls)

943:126. Human Rights -- 3 hrs.

(POL INTL 3126)

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)

943:127. United States Foreign Policy -- 3 hrs.

(POL INTL 3127)

Historical and theoretical examination of the individual, domestic, and systemic factors which affect formulation of United States foreign policy. (Offered Spring)

943:129. International Diplomacy and Negotiation -- 3 hrs.

(POL INTL 3129)

Examination of causes of mistrust between countries, the use of coercive diplomacy to advance national interests and international negotiation. (Variable)

943:143. International Law -- 3 hrs.

(POL INTL 3143)

Survey of international law from its development to contemporary issues. (Variable)

943:145. International Organizations -- 3 hrs.

(POL INTL 3145)

Description of international governmental and nongovernmental organizations, and analysis of their roles in international politics. (Offered Odd Falls)

2010-2012 UNI Catalog
944 (Comparative Politics) (POL COMP)

944:040. Comparative Politics -- 3 hrs.

(POL COMP 1040)

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. (Offered Fall and Spring)

944:121. Terrorism -- 3 hrs.

(POL COMP 3121)

Examination of terrorism as a political phenomenon. Focus on terrorism-related theme with examination of both theoretical and policy issues related to the history, psychology, and motives of terrorism using cases from around the world. (Variable)

944:123. Nationalism -- 3 hrs.

(POL COMP 3123)

Analysis of causes, forms, and consequences of nationalist movements. Consideration of experiences of nation-states and multi-national states. Evaluation of major theoretical approaches to study of nationalist movements and application to several specific cases. (Offered Spring)

944:125. Politics of Nonviolence -- 3 hrs.

(POL COMP 3125)

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)

944:135. Western European Democracies -- 3 hrs.

(POL COMP 3135)

Political institutions, processes, and policies of Western European Democracies. Emphasis on United Kingdom, France, Germany, and Italy. Development and prospects of European Community. (Variable)

944:162. Politics of East Asia -- 3 hrs.

(POL COMP 3162)

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)

944:164. Russian and East European Politics -- 3 hrs.

(POL COMP 3164)

Analysis of regimes and regime changes in Russia and Eastern Europe. Examination of institutions, contemporary issues, and processes in comparative context. (Variable)

944:165. African Politics -- 3 hrs.

(POL COMP 3165)

Examination of African politics from a political economy perspective. (Variable)

944:167. Latin American Politics -- 3 hrs.

(POL COMP 3167)

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)

2010-2012 UNI Catalog

950 Public Policy (PUBPOL)

950:205. Research Seminar in Public Policy -- 1 hr.

(PUBPOL 6205)

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. (Offered Fall and Spring)

950:208. Applied Research and Bibliography in Public Policy -- 3 hrs.

(PUBPOL 6208)

Exploration of established research and available sources in participant's focus area in public policy. Successful completion satisfies program writing requirement. Prerequisite(s): 920:117 (ECON 3221/ECON 5221); 942:153 (POL AMER 4153/POL AMER 5153); 942:173 (POL AMER 4173/POL AMER 5173); 950:275 (PUBPOL 6275); 960:225 (HIST 6020). (Offered Fall)

950:220. Public Policy, Advocacy and Public Funding -- 2 hrs.

(PUBPOL 6220)

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)

950:260. Policy Analysis: Methods and Approaches -- 3 hrs.

(PUBPOL 6260)

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. (Offered Fall)

950:275. Quantitative Methods for Politics and Policy -- 3 hrs.

(PUBPOL 6275)

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): 940:111 (POL GEN 3111), 980:080 (SOC 2020), or consent of instructor. (Offered Spring)

950:281. Internship in Public Policy -- 4 hrs.

(PUBPOL 6281)

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): 942:173 (POL AMER 4173/POL AMER 5173); 950:205 (PUBPOL 6205); 950:275 (PUBPOL 6275). (Offered Fall, Spring, and Summer)

950:285. Readings in Public Policy -- 1-3 hrs.

(PUBPOL 6285)

Registration requires written consent of Program Director. (Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog
960 (Historical Study/Thematic/Graduate) (HIST)

960:010. Introduction to the Study of History -- 3 hrs.

(HIST 1010)

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): 960:011 (HIST 1011). (Offered Fall and Spring)

960:011. Field Experience: Public History -- 1 hr.

(HIST 1011)

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): 960:010 (HIST 1010). (Offered Fall and Spring)

960:106(g). Applying History: The Public Alternative -- 3 hrs.

(HIST 4010/HIST 5010)

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. (Offered Fall)

960:125(g). Introduction to Museum Studies -- 3 hrs.

(HIST 4020/HIST 5020)

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 990:125g (ANTH 3440/5440)*) (Offered Even Springs)

960:132(g). Internship in Historical Studies -- 1-3 hrs.

(HIST 4030/HIST 5030)

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); 960:106 (HIST 4010/HIST 5010); junior standing; consent of instructor. (Offered Fall and Spring)

960:189. Readings in History -- 1-3 hrs.

(HIST 3010)

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. (Offered Fall, Spring, and Summer)

960:192. Junior-Senior Seminar -- 3 hrs.

(HIST 3000)

May be repeated on different topics. Prerequisite(s): for History majors: 960:010 (HIST 1010); junior standing. For non-History majors: consent of instructor. (Offered Fall and Spring)

960:198. Independent Study.

(HIST 4198)

(Offered Fall, Spring, and Summer)

960:225. History and U.S. Public Policy -- 3 hrs.

(HIST 6020)

Use of history in policymaking; historical development of public policy in a specific area. (Offered Spring)

960:280. Seminar in History -- 3 hrs.

(HIST 6030)

Areas listed in Schedule of Classes. (Offered Fall and Spring)

960:285. Individual Readings -- 1-3 hrs.

(HIST 6285)

May be repeated. Prerequisite(s): consent of department head. (Offered Fall and Spring)

960:289. Seminar in United States Historiography -- 3 hrs.

(HIST 6289)

Seminar on major schools of interpretation of the American past, and specific examination of historiographical development of selected topics in American history. (Offered Spring)

960:290. Historical Methods -- 3 hrs.

(HIST 6050)

Investigation of problems confronting the historian and analysis of methods and techniques employed. (Offered Fall)

960:297. Practicum -- 2 hrs.

(HIST 6297)

(Offered Fall, Spring, and Summer)

960:299. Research -- 3-6 hrs.

(HIST 6299)

Thesis research and preparation. (Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog
961 (United States History) (HISUS)

961:014. United States History to 1877 -- 3 hrs.

(HISUS 1110)

Events, factors, and personalities which shaped social, economic, and political development of the United States from settlement to end of Reconstruction. (Offered Fall and Spring)

961:015. United States History since 1877 -- 3 hrs.

(HISUS 1120)

End of Reconstruction period to present, including economic, diplomatic, intellectual, political, and social factors. (Offered Fall and Spring)

961:102(g). History of Technology in America -- 3 hrs.

(HISUS 4230/HISUS 5230)

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. (Offered Even Springs)

961:116(g). Recent United States History -- 3 hrs.

(HISUS 4180/HISUS 5180)

History of the American people since 1960 with emphasis on domestic affairs. Prerequisite(s): junior standing. (Offered Spring)

961:120(g). Popular Culture in the United States -- 3 hrs.

(HISUS 4235/HISUS 5235)

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. (Offered Spring)

961:122(g). African-American History -- 3 hrs.

(HISUS 4245/HISUS 5245)

History of black Americans from African background into 1980s, with emphasis on period since end of slavery. Prerequisite(s): junior standing. (Offered Fall)

961:124(g). The City in United States History -- 3 hrs.

(HISUS 4255/HISUS 5255)

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. (Offered Odd Springs)

961:130(g). History of Iowa -- 3 hrs.

(HISUS 4200/HISUS 5200)

Social, political, and economic developments in Iowa from prehistoric times to present. Prerequisite(s): junior standing. (Offered Spring)

961:131(g). U.S. History from 1929 to 1960 -- 3 hrs.

(HISUS 4160/HISUS 5160)

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. (Offered Fall)

961:135(g). Indians in American History -- 3 hrs.

(HISUS 4270/HISUS 5270)

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. (Offered Spring)

961:136(g). American Colonial History -- 3 hrs.

(HISUS 4110/HISUS 5110)

17th- and 18th-century America; development of colonial societies in the New World and American Revolution era.

Prerequisite(s): junior standing. (Offered Fall)

961:137(g). From Jefferson to Jackson -- 3 hrs.

(HISUS 4130/HISUS 5130)

Political, economic, and social development of United States in years between American Revolution and end of Jacksonian era. Prerequisite(s): junior standing. (Variable)

961:139(g). Civil War and Reconstruction -- 3 hrs.

(HISUS 4140/HISUS 5140)

Causes of the Civil War, nature of the conflict, and short- and long-range consequences of the war. Prerequisite(s): junior standing. (Offered Fall)

961:140(g). History of the West -- 3 hrs.

(HISUS 4220/HISUS 5220)

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. (Offered Fall)

961:141(g). The South in United States History -- 3 hrs.

(HISUS 4210/HISUS 5210)

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. (Offered Odd Springs)

961:142(g). United States Constitutional History -- 3 hrs.

(HISUS 4275/HISUS 5275)

Relates individual rights, political-socioeconomic issues, and rivalry among the Presidency-Congress-Supreme Court to development of U.S. Constitution. Prerequisite(s): junior standing. (Offered Fall)

961:143(g). United States Labor History -- 3 hrs.

(HISUS 4280/HISUS 5280)

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. (Offered Fall)

961:144(g). History of American Thought -- 3 hrs.

(HISUS 4240/HISUS 5240)

Historical examination of principal idea-systems which shaped the intellectual profile of American civilization.

Prerequisite(s): junior standing. (Offered Odd Springs)

961:145(g). Religion in America -- 3 hrs.

(HISUS 4250/HISUS 5250)

Investigation of religious movements and beliefs from colonial times to present. Prerequisite(s): junior standing.

(Same as [640:117g](#) (RELS 4230/5230)) (Offered Fall)

961:146(g). United States Women's History -- 3 hrs.

(HISUS 4260/HISUS 5260)

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. (Offered Fall)

961:147(g). Foundations of Modern America: The United States, 1877-1929 -- 3 hrs.

(HISUS 4150/HISUS 5150)

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. (Offered Even Falls)

961:150(g). Society and Culture in the United States -- 3 hrs.

(HISUS 4265/HISUS 5265)

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. (Offered Odd Falls)

2010-2012 UNI Catalog
962 (Europe to ca. 1700) (HISEUA)

962:101(g). History of Ancient Greece -- 3 hrs.

(HISEUA 4310/HISEUA 5310)

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. (Offered Odd Falls)

962:103(g). History of Ancient Rome -- 3 hrs.

(HISEUA 4320/HISEUA 5320)

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. (Offered Even Springs)

962:123(g). History of Classical Civilization -- 3 hrs.

(HISEUA 4330/HISEUA 5330)

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. (Offered Even Falls)

962:126(g). History of Ireland -- 3 hrs.

(HISEUA 4420/HISEUA 5420)

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. (Offered Odd Springs)

962:151(g). The Ancient Near East -- 3 hrs.

(HISEUA 4480/HISEUA 5480)

The artistic, literary, political, religious, and social accomplishments of Near Eastern people of ancient times. Prerequisite(s): junior standing. (Offered Odd Springs)

962:152(g). Medieval Civilization -- 3 hrs.

(HISEUA 4340/HISEUA 5340)

Social, economic, political, and cultural features seen as foundations of the modern period. From Fall of Rome to 15th century. Prerequisite(s): junior standing. (Offered Even Springs)

962:153(g). The Renaissance and Reformation -- 3 hrs.

(HISEUA 4350/HISEUA 5350)

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)

962:158(g). Age of Absolutism and the Enlightenment -- 3 hrs.

(HISEUA 4360/HISEUA 5360)

History of emerging nations of Europe with emphasis on Age of Absolutism, Louis XIV, and the Enlightenment. Prerequisite(s): junior standing. (Offered Odd Falls)

962:164(g). English History to 1688 -- 3 hrs.

(HISEUA 4440/HISEUA 5440)

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. (Offered Odd Falls)

962:171(g). History of Germany to 1648 -- 3 hrs.

(HISEUA 4460/HISEUA 5460)

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. (Offered Even Falls)

2010-2012 UNI Catalog
963 (Europe Since ca. 1700) (HISEUB)

963:153(g). Modern Mediterranean Europe: History and Culture -- 3 hrs.

(HISEUB 4640/HISEUB 5640)

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)

963:154(g). Military History from Napoleon to the Present -- 3 hrs.

(HISEUB 4680/HISEUB 5680)

Study of causes and conduct of war and impact of war on society, with emphasis on 20th century. Prerequisite(s): junior standing. (Offered Spring)

963:155(g). Europe from the French Revolution to World War I -- 3 hrs.

(HISEUB 4510/HISEUB 5510)

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)

963:157(g). Great Power Diplomacy from the Congress of Vienna to the Present -- 3 hrs.

(HISEUB 4675/HISEUB 5675)

International diplomacy from 1815 with emphasis on 20th century. Prerequisite(s): junior standing. (Offered Even Falls)

963:160(g). Europe from World War I to the Present -- 3 hrs.

(HISEUB 4520/HISEUB 5520)

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)

963:161(g). Modern European Women's History -- 3 hrs.

(HISEUB 4690/HISEUB 5690)

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. (Offered Spring)

963:165(g). English History since 1688 -- 3 hrs.

(HISEUB 4610/HISEUB 5610)

English political, economic, social, and intellectual history with emphasis on the Victorians and 20th century; British Empire and Commonwealth. Prerequisite(s): junior standing. (Offered Even Springs)

963:169(g). History of Imperial Russia -- 3 hrs.

(HISEUB 4660/HISEUB 5660)

Political, social, economic, and cultural aspects of Russia with emphasis on 19th century. Prerequisite(s): junior standing. (Offered Even Falls)

963:170(g). History of Soviet Russia -- 3 hrs.

(HISEUB 4670/HISEUB 5670)

Political, social, economic, and cultural developments of Russia in 20th century, emphasis on ideology. Prerequisite(s): junior standing. (Offered Even Springs)

963:172(g). History of Germany Since 1648 -- 3 hrs.

(HISEUB 4630/HISEUB 5630)

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)

963:174(g). History of Modern France -- 3 hrs.

(HISEUB 4620/HISEUB 5620)

Survey of cultural, economic, and political history of France in 19th and 20th centuries. Prerequisite(s): junior standing. (Offered Even Springs)

963:188(g). Modern Central and Eastern Europe -- 3 hrs.

(HISEUB 4650/HISEUB 5650)

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)

2010-2012 UNI Catalog
964 (Non-Western History) (HISNW)

964:127(g). Pre-Modern Japan -- 3 hrs.

(HISNW 4870/HISNW 5870)

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. (Offered Fall)

964:128(g). Modern Japan -- 3 hrs.

(HISNW 4880/HISNW 5880)

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. (Offered Spring)

964:174(g). Pre-Modern African History -- 3 hrs.

(HISNW 4730/HISNW 5730)

Cultural and historical developments in Africa from earliest times to ca. 1800. Prerequisite(s): junior standing. (Offered Fall)

964:175(g). Modern African History -- 3 hrs.

(HISNW 4740/HISNW 5740)

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)

964:176(g). Colonial Latin American History -- 3 hrs.

(HISNW 4710/HISNW 5710)

Discovery, exploration, conquest, and development of Colonial Latin America. Prerequisite(s): junior standing. (Offered Fall)

964:178(g). Modern Middle East History -- 3 hrs.

(HISNW 4820/HISNW 5820)

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)

964:180(g). Latin American History -- 3 hrs.

(HISNW 4720/HISNW 5720)

Modern development of Latin American states and their relations to the United States. Prerequisite(s): junior standing. (Offered Spring)

964:181(g). Pre-Modern South Asia -- 3 hrs.

(HISNW 4830/HISNW 5830)

Culture and institutions within the Indian subcontinent from antiquity through Hindu and Islamic periods. Prerequisite(s): junior standing. (Offered Fall)

964:182(g). Modern South Asia -- 3 hrs.

(HISNW 4840/HISNW 5840)

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. (Offered Spring)

964:183(g). Pre-Modern Chinese History -- 3 hrs.

(HISNW 4850/HISNW 5850)

Cultural and institutional developments in China from earliest times to ca. 1800 A.D. Prerequisite(s): junior standing. (Offered Fall)

964:187(g). Modern Chinese History -- 3 hrs.

(HISNW 4860/HISNW 5860)

Political, social, economic, and intellectual developments in China with special emphasis on period from the Revolution of 1911 to present. Prerequisite(s): junior standing. (Offered Spring)

2010-2012 UNI Catalog 970 Geography (GEOG)

970:010. Human Geography -- 3 hrs.

(GEOG 1120)

Interaction between peoples and their environments. Spatial patterns and processes of population distribution, characteristics, and movement, human environmental impact, and economic activity. (Offered Fall and Spring)

970:026. Physical Geography -- 3-4 hrs.

(GEOG 1210)

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. (Offered Fall and Spring)

970:028. Recent Climate Change -- 3 hrs.

(GEOG 2210)

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. (Offered Fall)

970:040. World Geography -- 3 hrs.

(GEOG 1110)

Reasons for and consequences of variations over surface of the earth of cultural, economic, physical, and other attributes of places. (Offered Fall, Spring, and Summer)

970:061. Maps and Map Interpretation -- 3 hrs.

(GEOG 1310)

Survey of various types of maps available from perspective of map maker and user. Emphasis on reading, analysis, and interpretation of information on maps. (Offered Fall and Spring)

970:100. Environmental Geography -- 3 hrs.

(GEOG 2220)

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): 970:010 (GEOG 1120) or 970:026 (GEOG 1210) or 970:028 (GEOG 2210) or 970:040 (GEOG 1110) or consent of instructor. (Offered Spring)

970:101. Economic Geography -- 3 hrs.

(GEOG 2110)

Analysis of changing spatial structure of the economy and inter-relationships between geography and economics within a global perspective. (Offered Spring)

970:104. North American Cities -- 3 hrs.

(GEOG 2120)

Principles of urban geography, including urban growth and change, structure and dynamics, and analysis and planning in North American cities. (Offered Fall)

970:111(g). Cultural Geography -- 3 hrs.

(GEOG 4110/GEOG 5110)

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. (Offered Odd Springs)

970:114(g). Political Geography -- 3 hrs.

(GEOG 4130/GEOG 5130)

Geographic factors in origin, development, behavior, and interaction of states. Prerequisite(s): junior standing. (Offered Even Falls)

970:116(g). Geopolitics: (Variable Topic) -- 3 hrs.

(GEOG 4140/GEOG 5140)

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. (Offered Odd Falls)

970:117(g). Transportation Planning and Policy -- 3 hrs.

(GEOG 4190/GEOG 5190)

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. (Offered Fall)

970:119(g). Population Geography -- 3 hrs.

(GEOG 4120/GEOG 5120)

Patterns, processes, and models of population structure, change, distribution, and movement. Relationships with complex spatial mosaic of socioeconomic and environmental systems. Prerequisite(s): junior standing. (Offered Even Falls)

970:121(g). Locational Analysis for Business -- 3 hrs.

(GEOG 4180/GEOG 5180)

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. (Offered Spring)

970:126(g). Soils and Landscapes -- 3 hrs.

(GEOG 4220/GEOG 5220)

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): [870:031](#) (EARTHSCI 1300) or [970:026](#) (GEOG 1210); junior standing. (Offered Fall)

970:127(g). Climatology -- 3 hrs.

(GEOG 4210/GEOG 5210)

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. (Offered Even Falls)

970:129(g). Rivers -- 3 hrs.

(GEOG 4230/GEOG 5230)

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. (Offered Even Springs)

970:137. Natural Hazards and Disasters -- 3 hrs.

(GEOG 3210)

Examination of causes, physical processes, and geographic distribution of natural hazards. Discussion of prediction methods and social impact of such disasters. (Offered Spring)

970:141(g). Regional Geography: (Variable Topic) -- 3 hrs.

(GEOG 4150/GEOG 5150)

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. (Offered Fall and Spring)

970:144. Natural Regions of North America -- 3 hrs.

(GEOG 2230)

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. (Offered Even Springs)

970:151(g). Historical Geography: (Variable Topic) -- 3 hrs.

(GEOG 4160/GEOG 5160)

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. (Offered Even Springs)

970:155(g). Reconstructing Ice Age Environments -- 3 hrs.

(GEOG 4240/GEOG 5240)

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): 970:026 (GEOG 1210); 970:028 (GEOG 2210); 870:031 (EARTHSCI 1300) or consent of instructor; junior standing. (Offered Fall and Spring)

970:160(g). Spatial Data Analysis -- 3 hrs.

(GEOG 4340/GEOG 5340)

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): 800:064 (STAT 1774) or 800:072 (STAT 1772) or 980:080 (SOC 2020); junior standing. (Same as 800:171g (STAT 3778/5778)) (Offered Odd Springs)

970:163(g). Aerial Photo Interpretation and Photogrammetry -- 3 hrs.

(GEOG 4330/GEOG 5330)

Emphasis on interpretation of physical and cultural phenomena on the earth's surface using imagery obtained through aerial photography. Basic principles of photogrammetry and introduction to non-photographic sensors. Lecture, 2 periods; lab, 2 periods. Prerequisite(s): junior standing. (Offered Fall)

970:164. Geographic Information Systems I -- 3 hrs.

(GEOG 2310)

Fundamental concepts and operations of Geographic Information Systems with applications. Lectures are supplemented by computer-based projects. Lecture, 2 periods; lab 2 periods. (Offered Fall and Spring)

970:165(g). Thematic Cartography -- 3 hrs.

(GEOG 4360/GEOG 5360)

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. (Offered Fall)

970:168(g). Regional Analysis and Planning -- 3 hrs.

(GEOG 4170/GEOG 5170)

Introduction to processes, methods, and techniques of regional analysis and planning. Planning seen as political and technical process. Prerequisite(s): junior standing. (Offered Spring)

970:170(g). GIS Applications: (Variable Topic) -- 3 hrs.

(GEOG 4310/GEOG 5310)

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): [970:164](#) (GEOG 2310); junior standing. (Offered Fall and Spring)

970:171(g). Issues in the Teaching of Geography -- 3 hrs.

(GEOG 4520/GEOG 5520)

Strategies and methods for teaching geography and incorporating geographic perspective in social studies courses.

Prerequisite(s): junior standing. (Offered Odd Falls)

970:173(g). Remote Sensing of the Environment -- 3 hrs.

(GEOG 4370/GEOG 5370)

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. (Offered Fall)

970:174(g). Geographic Information Systems II -- 3 hrs.

(GEOG 4320/GEOG 5320)

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): [970:164](#) (GEOG 2310) or consent of instructor; junior standing. (Offered Spring)

970:175(g). Global Positioning System Field Survey Methods -- 3 hrs.

(GEOG 4350/GEOG 5350)

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. (Offered Fall)

970:179. Cooperative Education in Geography -- 1-3 hrs.

(GEOG 3179)

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. (Offered Fall, Spring, and Summer)

970:180. Senior Seminar in Geography -- 3 hrs.

(GEOG 4550)

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. (Offered Spring)

970:181. Professional Seminar -- 1 hr.

(GEOG 4560)

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. (Offered Fall and Spring)

970:185(g). Laboratory Methods in Environmental Geography -- 3 hrs.

(GEOG 4250/GEOG 5250)

Intended to make students proficient in the common laboratory techniques used for analyzing soil and sediments for environmental geography. Prerequisite(s): [870:031](#) (EARTHSCI 1300) or [970:026](#) (GEOG 1210); junior standing. (Offered Fall and Spring)

970:186. Studies In: (Variable Topics).

(GEOG 3186)

(Variable)

970:189. Readings in Geography -- 1-3 hrs.

(GEOG 3580)

Maximum of 3 hours can be applied toward Geography major. Prerequisite(s): consent of department head. (Offered Fall, Spring, and Summer)

970:193. Research Experience in Geography -- 1-3 hrs.

(GEOG 3598)

Conducting of supervised research or scholarly project. May be repeated for maximum of 6 hours. Prerequisite(s): 15 hours of geography; consent of instructor. (Offered Fall, Spring, and Summer)

970:202. Graduate Colloquium -- 1 hr.

(GEOG 6000)

Weekly presentations by a faculty member, visitor, or student. May be repeated for maximum of 2 hours. (Offered Fall)

970:280. Seminar -- 3 hrs.

(GEOG 6550)

Topics listed in Schedule of Classes. May be repeated on different topics. (Variable)

970:285. Readings in Geography -- 1-3 hrs.

(GEOG 6285)

Prerequisite(s): consent of department head. (Offered Fall, Spring, and Summer)

970:286. Studies In: (Variable Topics).

(GEOG 6286)

(Variable)

970:294. Nature of Geography and Its Research Methodology -- 3 hrs.

(GEOG 6010)

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. (Offered Fall)

970:298. Directed Research Project -- 3 hrs.

(GEOG 6598)

Research leading to research paper for students in the non-thesis option. Prerequisite(s): 970:294 (GEOG 6010). (Offered Fall, Spring, and Summer)

970:299. Research.

(GEOG 6299)

(Offered Fall, Spring, and Summer)

2010-2012 UNI Catalog 980 Sociology (SOC)

980:001. Introduction to Sociology -- 3 hrs.

(SOC 1000)

Scientific approach to analysis and understanding of culture, human groups and institutions, personality, self, and social control. (Offered Fall and Spring)

980:045. American Racial and Ethnic Minorities -- 3 hrs.

(SOC 1045)

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* 450:045 (SW 2045) and 900:045 (SOC SCI 1045)) (Offered Fall and Spring)

980:060. Social Problems -- 3 hrs.

(SOC 1060)

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. (Offered Fall and Spring)

980:080. Statistics for Social Research -- 3 hrs.

(SOC 2020)

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. (Offered Fall and Spring)

980:100(g). Social Psychology -- 3 hrs.

(SOC 3075/SOC 5075)

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): 980:001 (SOC 1000); junior standing. (Variable)

980:101. Sociology of Gender -- 3 hrs.

(SOC 4050)

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): 980:001 (SOC 1000). Prerequisite(s) or corequisite(s): 980:108 (SOC 2010). (Offered Fall)

980:102. Conflict Resolution -- 3 hrs.

(SOC 2090)

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* 450:102 (SW 3102) and 990:102 (ANTH 2090)) (Variable)

980:105(g). Sociology of Families -- 3 hrs.

(SOC 3030/SOC 5030)

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): 980:001 (SOC 1000); junior standing. (Offered Spring)

980:108. Research Methods -- 3 hrs.

(SOC 2010)

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): 980:001 (SOC 1000). (Offered Fall and Spring)

980:118(g). Health, Illness, and Dying -- 3 hrs.

(SOC 3065/SOC 5065)

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): 980:001 (SOC 1000); junior standing. (Variable)

980:120(g). Immigration and Transnationalism -- 3 hrs.

(SOC 3080/SOC 5080)

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): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Same as 990:120g (ANTH 3080/5080)) (Variable)

980:125(g). Social Gerontology -- 3 hrs.

(SOC 3035/SOC 5035)

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): 980:001 (SOC 1000); junior standing. (Offered Fall)

980:129(g). Men and Masculinities -- 3 hrs.

(SOC 3050/SOC 5050)

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)

980:135(g). Social Inequality -- 3 hrs.

(SOC 3045/SOC 5045)

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): 980:001 (SOC 1000); junior standing. (Offered Spring)

980:138(g). Sociology of Culture -- 3 hrs.

(SOC 3060/SOC 5060)

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): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Offered Fall)

980:145(g). Research Experience in Sociology -- 1-3 hrs.

(SOC 3120/SOC 5120)

Research participation and/or independent supervised research. May be repeated for maximum of 6 hours. Prerequisite(s): 15 hours in sociology including 980:080 (SOC 2020) and 980:108 (SOC 2010); junior standing; consent of instructor and department head. (Offered Fall, Spring, and Summer)

980:156(g). Social Movements -- 3 hrs.

(SOC 3040/SOC 5040)

Sociological and sociopsychological conceptualizations of the genesis, dynamics, and demise of modern social movements. Emphasis on reformist, utopian, nativistic, and totalitarian organizations. Prerequisite(s): 980:001 (SOC 1000); junior standing. (Variable)

980:160(g). Social Data Analysis -- 3 hrs.

(SOC 4025/SOC 5025)

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): 980:080 (SOC 2020) or equivalent; junior standing. (Offered Spring)

980:167(g). Gender in Cross-Cultural Perspective -- 3 hrs.

(SOC 3411/SOC 5411)

Evolutionary, biological, psychological, cognitive, social, and cultural theories of gender and gender inequality evaluated with respect to cross-cultural data. Prerequisite(s): 400:001 (PSYCH 1001) or 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Same as 400:167g (PSYCH 4608/5608) and 990:167g (ANTH 3411/5411)) (Offered Odd Springs)

980:168(g). Culture, Disease, and Healing -- 3 hrs.

(SOC 3102/SOC 5102)

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): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Same as 990:168g (ANTH 3102/5102)) (Variable)

980:170(g). The Development of Social Theories -- 3 hrs.

(SOC 3070/SOC 5070)

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): 980:001 (SOC 1000); junior standing. (Offered Fall and Spring)

980:171(g). Feminist Theories in the Social Sciences -- 3 hrs.

(SOC 4071/SOC 5071)

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): 900:020 (SOC SCI 1020) or 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Offered Spring)

980:172(g). Sociology of Religion -- 3 hrs.

(SOC 3085/SOC 5085)

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): 980:001 (SOC 1000); junior standing. (Offered Fall)

980:177. Language and Culture -- 3 hrs.

(SOC 3001)

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): 400:001 (PSYCH 1001) or 980:001 (SOC 1000) or 990:011 (ANTH 1002). (Same as 400:177 (PSYCH 3602) and 990:177 (ANTH 3001)) (Offered Fall)

980:178(g). Qualitative Research Methods -- 3 hrs.

(SOC 4015/SOC 5015)

Development and application of qualitative descriptive and analytic methods used in social science research. Prerequisite(s): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Same as 990:178g (ANTH 4015/5015)) (Offered Fall)

980:179. Cooperative Education.

(SOC 3179)

Prerequisite(s): consent of instructor and department head and Cooperative Education Office. (Offered Fall, Spring, and Summer)

980:180(g). Seminar in Sociology -- 1-3 hrs.

(SOC 3170/SOC 5170)

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)

980:184(g). Theory and Practice in Applied Settings -- 1-6 hrs.

(SOC 3100/SOC 5100)

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. (Offered Fall, Spring, and Summer)

980:189(g). Readings in Sociology -- 1-3 hrs.

(SOC 3130/SOC 5130)

May be repeated only with consent of department. Prerequisite(s): 9 hours in sociology; junior standing; consent of instructor and department head. (Offered Fall, Spring, and Summer)

980:198. Independent Study.

(SOC 4198)

Prerequisite(s): consent of instructor and department head. (Variable)

980:200. Contemporary Sociological Theories -- 3 hrs.

(SOC 6070)

Description and analysis of main currents in contemporary sociological thought; principal sociological theorists; major themes, schools, trends, issues, and debates in theory. Prerequisite(s): 980:170 (SOC 3070/SOC 5070). Open to seniors with consent of department head. (Offered Spring)

980:201. Advanced Research Methodology -- 3 hrs.

(SOC 6020)

Relationship between theory and research, grand methodology; logic and philosophy of sociology; science and sociology; theory construction, formal models, explanation, prediction, and cause; value freedom, objectivity, and ideology. Prerequisite(s): 980:108 (SOC 2010). Open to seniors with consent of department head. (Offered Fall)

980:211. Proseminar: Professional Development -- 1 hr.

(SOC 6000)

Introduction to problems, techniques, and tools of graduate-level study and research in sociology. Addresses various components of graduate school socialization and professionalization. (Offered Fall)

980:212. Proseminar: Teaching Development -- 1 hr.

(SOC 6005)

Preparation for teaching an introductory college-level sociology course. Includes course preparation, classroom strategies, issues in teaching, and demonstrating teaching effectiveness. Incorporates scholarship of teaching and learning and teaching diversity. (Offered Spring)

980:260. Quantitative Analysis -- 3 hrs.

(SOC 6026)

Familiarizes students with the process of: (1) forming research questions guided by theory; (2) quantitatively assess the validity of the research question; (3) interpret the results; and (4) present the research question and results in a research paper. Objective is to make students aware of how to do quantitative research and present it in a scholarly manner. Directed toward students in graduate school who desire to work in a research setting or with data. Can serve as a vehicle for the thesis. Prerequisite(s): Graduate standing or consent of instructor. (Offered Spring)

980:278. Qualitative Research: Data Collection and Analysis -- 3 hrs.

(SOC 6035)

Expands on the material covered in 980:178 (SOC 4015/SOC 5015) and 990:178 (ANTH 4015/ANTH 5015). Continues to introduce students to varied qualitative methods through lectures and activities. Requires more analysis of previous qualitative research and requires that graduate students prepare a research article based on their findings as the final paper for the class. Prerequisite(s): graduate standing or consent of instructor. (Offered Fall)

980:280. Seminar in Sociology -- 3 hrs.

(SOC 6170)

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)

980:285. Individual Readings -- 1-3 hrs.

(SOC 6285)

Prerequisite(s): consent of instructor and department head. (Variable)

980:297. Practicum.

(SOC 6297)

Prerequisite(s): consent of instructor and department head. (Variable)

980:299. Research.

(SOC 6299)

Prerequisite(s): consent of instructor and department head. (Variable)

2010-2012 UNI Catalog 982 Criminology (CRIM)

982:022. Criminal Justice System -- 3 hrs.

(CRIM 2022)

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): 980:001 (SOC 1000). (Offered Spring)

982:025. Criminology -- 3 hrs.

(CRIM 2025)

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): 980:001 (SOC 1000); sophomore standing. (Offered Fall and Spring)

982:110(g). State Crime -- 3 hrs.

(CRIM 3110/CRIM 5110)

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)

982:111(g). Sociology of an International Community -- 3 hrs.

(CRIM 4344/CRIM 5344)

Focus on the development of international community. Exploration of how the ideology for "international community" is parallel to the implementation of a global framework for supranational social organization and principles of human rights. Prerequisite(s): junior standing. (Variable)

982:112. White Collar Crime -- 3 hrs.

(CRIM 2112)

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): 980:001 (SOC 1000); 982:025 (CRIM 2025). (Offered Fall)

982:113. Ethics in Crime, Law and Justice -- 3 hrs.

(CRIM 4314)

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): 980:001 (SOC 1000); 982:022 (CRIM 2022); sophomore standing. (Variable)

982:116(g). Correctional Treatment: Theory and Practice -- 3 hrs.

(CRIM 4216/CRIM 5216)

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): 980:001 (SOC 1000); 982:022 (CRIM 2022) or 982:025 (CRIM 2025); junior standing. (Variable)

982:117. Community Corrections -- 3 hrs.

(CRIM 2217)

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): 980:001 (SOC 1000); 982:022 (CRIM 2022); sophomore standing. (Variable)

982:119(g). Victimology -- 3 hrs.

(CRIM 3319/CRIM 5319)

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. (Offered Fall)

982:122(g). Youth Gangs -- 3 hrs.

(CRIM 4122/CRIM 5122)

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): 980:001 (SOC 1000); junior standing. (Offered Spring)

982:123(g). Social Deviance and Control -- 3 hrs.

(CRIM 4323/CRIM 5323)

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): 980:001 (SOC 1000); junior standing. (Offered Spring)

982:124(g). Police and Society -- 3 hrs.

(CRIM 4224/CRIM 5224)

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): 982:022 (CRIM 2022); junior standing. (Offered Fall)

982:126(g). Crime and Punishment -- 3 hrs.

(CRIM 3226/CRIM 5226)

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): 982:022 (CRIM 2022); junior standing. (Variable)

982:127. Juvenile Delinquency -- 3 hrs.

(CRIM 2127)

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): 980:001 (SOC 1000); 982:025 (CRIM 2025). (Offered Fall and Spring)

982:128(g). Law and Society -- 3 hrs.

(CRIM 4228/CRIM 5228)

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): 980:001 (SOC 1000); junior standing. (Offered Fall)

982:131(g). Women, Crime and Society -- 3 hrs.

(CRIM 4331/CRIM 5331)

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): 980:001 (SOC 1000); 982:022 (CRIM 2022) or 982:025 (CRIM 2025); junior standing. (Offered Fall)

982:132. Juvenile Justice -- 3 hrs.

(CRIM 3232)

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): 980:001 (SOC 1000); 982:022 (CRIM 2022); junior standing. (Offered Spring)

982:137(g). Homicide -- 3 hrs.

(CRIM 4137/CRIM 5137)

Presentation of a description, discussion, and evaluation of the various types of homicide. Focus on the characteristics and backgrounds of homicidal offenders. Prerequisite(s): 980:001 (SOC 1000); 982:025 (CRIM 2025); junior standing. (Variable)

982:151. Crime and Social Inequality -- 3 hrs.

(CRIM 3151)

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): 980:001 (SOC 1000); 982:022 (CRIM 2022); junior standing. (Variable)

982:152. Crime and Community -- 3 hrs.

(CRIM 2152)

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. Prerequisite(s): 980:001 (SOC 1000); 982:025 (CRIM 2025). (Variable)

982:153(g). Crime and Public Policy -- 3 hrs.

(CRIM 4253/CRIM 5253)

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): 980:001 (SOC 1000); 982:022 (CRIM 2022); junior standing. (Offered Fall)

982:162(g). Crime, Law, and Justice: A Global Perspective -- 3 hrs.

(CRIM 4262/CRIM 5262)

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): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Same as 990:162g (ANTH 3441/5441)) (Variable)

982:169(g). Drugs, Crime, and Society -- 3 hrs.

(CRIM 4369/CRIM 5369)

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): 980:001 (SOC 1000); junior standing. (Variable)

982:175. Senior Seminar in Criminology -- 3 hrs.

(CRIM 4575)

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. (Offered Fall and Spring)

982:179. Cooperative Education -- 1-3 hrs.

(CRIM 3179)

Prerequisite(s): consent of instructor and department head and Cooperative Education Office. (Offered Fall, Spring, and Summer)

982:181(g). Topics in Criminology -- 3 hrs.

(CRIM 4381/CRIM 5381)

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): 980:001 (SOC 1000); 982:025 (CRIM 2025); junior standing. (Offered Fall and Spring)

982:185. Criminology Internship -- 3 hrs.

(CRIM 4485)

Experiential learning through internship placement in a criminological or criminal justice related agency or position. Requires prior consultation with instructor. Prerequisite(s): 980:001 (SOC 1000); 982:022 (CRIM 2022); 982:025 (CRIM 2025); major GPA of 2.80 or higher; junior standing; consent of instructor and department head. (Offered Fall, Spring, and Summer)

982:198. Independent Study -- 1-3 hrs.

(CRIM 4198)

Prerequisite(s): consent of instructor and department head. (Variable)

982:240. Proseminar in Criminology -- 1 hr.

(CRIM 6250)

Focuses on problems, techniques, and tools of graduate level research and policy analysis in criminology. Students learn about professional development in the field of criminal justice, and preparation for applying for doctoral programs. Prerequisite(s): 980:201 (SOC 6020) or consent of instructor; 980:260 (SOC 6026); 980:278 (SOC 6035); 982:250 (CRIM 6251); 982:251 (CRIM 6252); 982:253 (CRIM 6253) . (Offered Fall)

982:250. Crime and Society -- 3 hrs.

(CRIM 6251)

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)

982:251. Criminological Theory -- 3 hrs.

(CRIM 6252)

Comprehensive overview and appraisal of criminological theory. Major theoretical positions (classical, modern, and post-modern); debates surrounding agency, ontology, and epistemology. Development of theory in historical context, and uses and function of theory. Prerequisite(s): graduate standing or consent of instructor. (Variable)

982:253. Law and Social Control -- 3 hrs.

(CRIM 6253)

Sociological study of law and social control: theoretical developments, empirical research, and applications. Prerequisite(s): graduate standing or consent of instructor. (Variable)

982:280. Seminar in Criminology -- 3 hrs.

(CRIM 6260)

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)

982:285. Readings in Criminology -- 1-3 hrs.

(CRIM 6285)

Prerequisite(s): consent of instructor and department head. (Variable)

982:299. Research.

(CRIM 6299)

Prerequisite(s): consent of instructor and department head. (Variable)

2010-2012 UNI Catalog 990 Anthropology (ANTH)

990:010. Human Origins -- 3 hrs.

(ANTH 1001)

Introduction to physical and prehistoric development of humankind, including primate and human evolution, modern races, and the archaeological cultures of the world. (Offered Fall and Spring)

990:011. Culture, Nature, and Society -- 3 hrs.

(ANTH 1002)

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. (Offered Fall and Spring)

990:102. Conflict Resolution -- 3 hrs.

(ANTH 2090)

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* [450:102 \(SW 3102\)](#) and [980:102 \(SOC 2090\)](#)) (Variable)

990:120(g). Immigration and Transnationalism -- 3 hrs.

(ANTH 3080/ANTH 5080)

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): [980:001 \(SOC 1000\)](#) or [990:011 \(ANTH 1002\)](#); junior standing. (*Same as* [980:120g \(SOC 3080/5080\)](#)) (Variable)

990:125(g). Introduction to Museum Studies -- 3 hrs.

(ANTH 3440/ANTH 5440)

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* [960:125g \(HIST 4020/5020\)](#)) (Offered Even Springs)

990:132. Native North America -- 3 hrs.

(ANTH 2410)

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* [680:132 \(HUM 3132\)](#)) (Variable)

990:137. Native Central and South America -- 3 hrs.

(ANTH 2411)

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* [680:137 \(HUM 3137\)](#)) (Variable)

990:141. Mesoamerica and the Near East -- 3 hrs.

(ANTH 3301)

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): [990:010 \(ANTH 1001\)](#); junior standing or consent of instructor. (Variable)

990:142. Archaeology of the New World -- 3 hrs.

(ANTH 3302)

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): 990:010 (ANTH 1001); junior standing or consent of instructor. (Variable)

990:143. Archaeology of the Old World -- 3 hrs.

(ANTH 3303)

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): 990:010 (ANTH 1001); junior standing or consent of instructor. (Variable)

990:144. Prehistory of the American Southwest -- 3 hrs.

(ANTH 3430)

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): 990:010 (ANTH 1001) or 990:011 (ANTH 1002); junior standing. (Variable)

990:145. Research Experience in Anthropology -- 1-3 hrs.

(ANTH 3501)

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. (Offered Fall, Spring, and Summer)

990:148(g). Applied Anthropology -- 3 hrs.

(ANTH 3410/ANTH 5410)

Consideration of application of anthropology in analyzing and addressing contemporary social problems. Topics include economic development, public health, ethnic relations, and education. Prerequisite(s): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Variable)

990:151. Physical Anthropology: History and Theory -- 3 hrs.

(ANTH 3201)

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): 990:010 (ANTH 1001); junior standing or consent of instructor. (Offered Spring)

990:152(g). Human Biological Variation -- 3 hrs.

(ANTH 3202/ANTH 5202)

Exploration of the processes and origins of human biological variability, adaptability, and responses to a changing environment. Prerequisite(s): 990:010 (ANTH 1001); junior standing. (Variable)

990:153. Primate Behavior -- 3 hrs.

(ANTH 2420)

Examination of behavior and appearance of nonhuman primates in response to environmental and social factors. Investigation of how diet, reproduction, and social interaction among prosimians, monkeys, and apes act as a foundation for interpreting the origins of humans and their behaviors. Prerequisite(s): 990:010 (ANTH 1001); junior standing or consent of instructor. (Variable)

990:155. Forensic Anthropology -- 3 hrs.

(ANTH 3420)

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): 990:010 (ANTH 1001); junior standing or consent of instructor. (Offered Spring)

990:157(g). Ritual and Symbolism -- 3 hrs.

(ANTH 3412/ANTH 5412)

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): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Variable)

990:161. Religion, Magic, and Witchcraft -- 3 hrs.

(ANTH 3103)

Anthropological understanding of behavior dealing with the supernatural; supernatural beliefs, practices, and movements throughout the world. (*Same as* 640:161 (RELS 3103)) (Offered Spring)

990:162(g). Crime, Law, and Justice: A Global Perspective -- 3 hrs.

(ANTH 3441/ANTH 5441)

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): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (*Same as* 982:162g (CRIM 4262/5262)) (Variable)

990:164(g). Psychological Anthropology -- 3 hrs.

(ANTH 3101/ANTH 5101)

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): 400:001 (PSYCH 1001) or 990:011 (ANTH 1002); junior standing. (*Same as* 400:164g (PSYCH 4607/5607)) (Offered Even Springs)

990:167(g). Gender in Cross-Cultural Perspective -- 3 hrs.

(ANTH 3411/ANTH 5411)

Evolutionary, biological, psychological, cognitive, social, and cultural theories of gender and gender inequality evaluated with respect to cross-cultural data. Prerequisite(s): 400:001 (PSYCH 1001) or 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (*Same as* 400:167g (PSYCH 4608/5608) and 980:167g (SOC 3411/5411)) (Offered Odd Springs)

990:168(g). Culture, Disease, and Healing -- 3 hrs.

(ANTH 3102/ANTH 5102)

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): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (*Same as* 980:168g (SOC 3102/5102)) (Variable)

990:171(g). Interpreting the Archaeological Record -- 3 hrs.

(ANTH 3431/ANTH 5431)

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): 990:010 (ANTH 1001); 990:011 (ANTH 1002); 3 hours of 100/3000/4000-level archaeology or consent of instructor; junior standing. (Offered Odd Falls)

990:172. Archaeological Fieldwork -- 3-8 hrs.

(ANTH 1430)

Introduction to field research techniques (survey, excavation, and mapping), laboratory processing, and hypothesis testing. Conducted in the field. Prerequisite(s): 990:010 (ANTH 1001); consent of instructor. (Offered Odd Summers)

990:176(g). Anthropological Theory -- 3 hrs.

(ANTH 4001/ANTH 5001)

Major theoretical developments in anthropology, including both historical and contemporary schools and trends.

Prerequisite(s): 990:011 (ANTH 1002); junior standing. (Offered Fall)

990:177. Language and Culture -- 3 hrs.

(ANTH 3001)

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): 400:001 (PSYCH 1001) or 980:001 (SOC 1000) or 990:011 (ANTH 1002). (Same as 400:177 (PSYCH 3602) and 980:177 (SOC 3001)) (Offered Fall)

990:178(g). Qualitative Research Methods -- 3 hrs.

(ANTH 4015/ANTH 5015)

Development and application of the qualitative descriptive and analytic methods used in social science research. Prerequisite(s): 980:001 (SOC 1000) or 990:011 (ANTH 1002); junior standing. (Same as 980:178g (SOC 4015/5015)) (Offered Fall)

990:180(g). Seminar in Anthropology -- 3 hrs.

(ANTH 4016/ANTH 5016)

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)

990:184. Experience in Applied Anthropology -- 1-6 hrs.

(ANTH 3502)

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. (Offered Fall, Spring, and Summer)

990:189(g). Readings in Anthropology -- 1-3 hrs.

(ANTH 3503/ANTH 5503)

May be repeated only with consent of department. Prerequisite(s): 9 hours in anthropology; junior standing; consent of instructor and department head. (Variable)

990:198. Independent Study.

(ANTH 4198)

Prerequisite(s): consent of instructor and department head. (Variable)

2010-2012 UNI Catalog
CAP Capstone, Liberal Arts Core (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.

CAP:102. Living in Our Techno-Social World -- 3 hrs.

(CAP 3102)

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 [330:102 \(TECH 3102\)](#)) (Offered Spring)

CAP:103. Multidisciplinary Perspectives on Genocide: Case Studies -- 3 hrs.

(CAP 3103)

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. (Offered Fall and Spring)

CAP:105. Sacred Space -- 3 hrs.

(CAP 3105)

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:106. Theatre in Education -- 3 hrs.

(CAP 3106)

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 [490:106 \(THEATRE 3100\)](#)) (Variable)

CAP:110. Obesity and Diabetes: Science, Sociology and Economics -- 2 hrs.

(CAP 3110)

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 [840:110 \(BIOL 3110\)](#)) (Variable)

CAP:121. Creativity and the Evolution of Culture -- 3 hrs.

(CAP 3121)

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:122. Building Communities: Developing Intentional Family Spaces -- 3 hrs.

(CAP 3122)

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:123. Greece: From the "Cradle of Democracy" to Today -- 3 hrs.

(CAP 3123)

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:124. Democracies -- 3 hrs.

(CAP 3124)

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:125. Globalization, Cultural Pluralism and International Security -- 3 hrs.

(CAP 3125)

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:128. Ethics in Communication -- 3 hrs.

(CAP 3128)

Exploration of ethical dimensions and dilemmas in communication. Prerequisite(s): junior standing. (*Same as 48C:128 (COMM 4236)*) (Offered Spring)

CAP:129. Being National -- 3 hrs.

(CAP 3129)

Nearly all people in the world today are "national". But what really is national identity? Has it always existed? Where does it come from? This course examines the evolution of modern nations since the eighteenth century; the character of "being national" today in America, Europe, and other areas of the world; the powerful role that religion continues to play in national identity formation; the implications of globalization for national identity; how immigrants experience national identity; and, finally, the constructed and contingent nature of nations and national identity. Prerequisite(s): junior standing. (Variable)

CAP:130. Science and Pseudoscience: Critiquing the World Around You -- 3 hrs.

(CAP 3130)

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. (Offered Fall and Spring)

CAP:131. Analysis of Social Issues -- 3 hrs.

(CAP 3131)

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. (Offered Fall and Spring)

CAP:132. Medicine, Morality, and Society -- 3 hrs.

(CAP 3132)

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:134. Back in the Valley: Martin Luther King, Jr. and the 21st Century -- 3 hrs.

(CAP 3134)

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:140. Environment, Technology, and Society -- 2 hrs.

(CAP 3140)

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. (Offered Fall, Spring, and Summer)

CAP:148. The Holocaust in Literature and Film -- 3 hrs.

(CAP 3148)

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 [740:148 \(GER 3048\)](#)) (Variable)

CAP:151. Money, Sex and Power: Theories of Race, Class and Gender -- 3 hrs.

(CAP 3151)

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 [650:151 \(PHIL 3010\)](#)) (Variable)

CAP:152. Complementary, Alternative, and Integrative Health -- 3 hrs.

(CAP 3152)

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 [410:152 \(HPE 3650\)](#)) (Variable)

CAP:155. Socio-Economic Reality of Central America -- 2 hrs.

(CAP 3155)

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 [100:155 \(BUSINESS 3155\)](#)) (Offered Fall and Spring)

CAP:158. The Water Planet -- 3 hrs.

(CAP 3158)

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. (Offered Fall, Spring, and Summer)

CAP:160. Community and Public Health -- 3 hrs.

(CAP 3160)

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 [410:160 \(HPE 3160\)](#)) (Variable)

CAP:173. Bio-Medical Ethics -- 3 hrs.

(CAP 3173)

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 [640:173 \(RELS 3510\)](#) and [650:173 \(PHIL 3510\)](#)) (Offered Fall and Spring)

CAP:187. Blues and Jazz in African American Film and Literature -- 3 hrs.

(CAP 3187)

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 620:187 (ENGLISH 4577)) (Variable)

CAP:194. Perspectives on Death and Dying -- 3 hrs.

(CAP 3194)

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 640:194 (RELS 3110) and 650:194 (PHIL 3110)) (Offered Fall and Spring)

2010-2012 UNI Catalog
XXX Presidential Scholars (UNIV)

XXX:19P. Presidential Scholars Research -- 1-3 hrs.

(UNIV 119P)

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)