1986

Graduate Academic Catalog (1986-87)

University of Nebraska at Omaha

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University of Nebraska at Omaha
1986-1987
Graduate Catalog
This Graduate Catalog is provided by the Graduate Faculty of the University of Nebraska at Omaha in the hope that it will be a source of information to you on the graduate programs available through our University. We are proud of our University and its programs. We encourage you to become acquainted with us and with the many resources available to the community through the University. We have tried to include as much information as possible, but obviously we could not include everything. If you have questions which are not answered here, please feel free to call on the Office of Graduate Studies (204 Eppley Administration Building, (402) 554-2341.

Margaret P. Gessaman, Ph.D.
Dean, Graduate Studies and Research
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BASIC INFORMATION
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GRADUATE DEGREES OFFERED

All graduate degrees are awarded by the University of Nebraska, with each campus having the responsibility of establishing and maintaining individual standards and requirements. All departmental requirements must be in accord with the policies of the Graduate College of the University of Nebraska.

Master of Arts or Master of Science (MA, MS)

A departmental or interdepartmental program for either the Master of Arts or Master of Science degree as approved by the Graduate Faculty will normally be arranged to conform to one of the following patterns:

Option I. A 30 semester-hour thesis program (including at least six hours of thesis and a minimum of twenty-four hours of non-thesis course work) as determined by the cognizant Graduate Program Committee.

Option II. A 36 semester-hour non-thesis program as determined by the cognizant Graduate Program Committee.

Master of Arts for Teachers of Mathematics (MAT)

This is a specialized graduate degree designed to provide secondary school mathematics teachers with more depth in mathematics combined with a core of relevant professional courses in education.

Master of Business Administration (MBA)

This is a professional graduate degree designed to provide a broad educational experience for students who wish to assume positions of responsibility in business.

Master of Music (MM)

This is a professional graduate degree designed to provide further professional development for the performer or additional study for the music educator.

Master of Professional Accounting

This is a professional graduate degree designed to provide an educational experience as a basis for a career in professional accounting.

Master of Public Administration

This is a professional graduate degree designed to provide broad educational experience for students who wish to assume positions of responsibility in government.

Master of Social Work (MSW)

This is a professional graduate degree designed to provide knowledge, values and skills enabling the practitioner to intervene in behalf of individuals, families, groups and social systems.

Specialist in Education (EdS)

The Specialist in Education degree is an advanced graduate degree, involving a minimum of one year of study beyond the Master’s degree. It is designed to offer additional study for professional educators.
DIRECTORY OF GRADUATE PROGRAMS

Departments or areas which have been authorized to offer graduate degrees and the degree(s) available in each are as follows:

- **Biology**—MA, MS
- **Business Administration**—MBA
- **Civil Engineering**—MS
- **Communication**—MA
- **Counseling and Special Education**
- **Counseling and Guidance**
- **Agency Counseling**—MA, MS
- **College Student Personnel Services**—MA, MS
- **Genetics**—MA, MS
- **School Counseling/Elementary Level**—MA, MS
- **School Counseling/Secondary Level**—MA, MS
- **Speech Education**
- **Mental Retardation**—MA
- **Speech Pathology**—MA, MS
- **Resource Teaching and Learning Disabilities**—MS
- **Teaching the Emotionally Disabled**—MS
- **Teaching the Hearing Impaired**—MS
- **Teaching the Mentally Retarded**—MS
- **Criminology**—MA, MS
- **Dramatic Arts**—MA
- **Economics**—MA, MS
- **Educational Administration and Supervision**
- **Elementary Administration**—MS, EdS
- **Secondary Administration**—MS, EdS
- **English**—MA
- **Geography**—MA
- **Health, Physical Education and Recreation**—MA, MS
- **History**—MA
- **Mathematics**—MA, MS, MAT
- **Music**—MA
- **Political Science**—MA, MS
- **Professional Accounting**—Master of Professional Accounting
- **Psychology**
- **Educational Psychology**—MS
- **Industrial/organizational Psychology**—MS
- **Psychology**—MA
- **School Psychology**—EdS, Certificate
- **Experimental Child Psychology**—Ph.D.
- **Experimental Child Psychology**—Ph.D.
- **Public Administration**
- **Public Administration**—Master of Public Administration
- **Urban Studies**—MS
- **Social Work**—MSW
- **Sociology**
- **Applied Sociology**—MS
- **Sociology**—MA
- **Teacher Education**
- **Elementary Education**—MA, MS
- **Secondary Education**—MA, MS
- **Reading**—MA
- **Urban Education**—MS
- **Additional departments or areas have been authorized to offer courses for graduate credit, a minor or a graduate certificate as follows:**
  - **Art**—Minor
  - **Chemistry**—Minor
  - **Engineering Mechanics**—Minor
  - **Foreign Languages**
  - **French**—Minor
  - **German**—Minor
  - **Spanish**—Minor
  - **Genetics**—Minor, Graduate Certificate
  - **Home Economics**—Minor
  - **Philosophy and Religion**
  - **Physics**—Minor

* Application for admission to graduate studies in this program must be made through the Office of Graduate Studies at the University of Nebraska-Lincoln using the UN-L Application for Admission form.
* **The Ph.D. with specialization in Industrial/Organizational Psychology or Developmental Psychology is offered in conjunction with the Department of Psychology at the University of Nebraska-Lincoln. The Ph.D. with a specialization in Experimental Child Psychology is offered in conjunction with the Department of Educational Psychology and Measurement at the University of Nebraska-Lincoln. Application for admission to any of these programs must be made through the Office of Graduate Studies on the UN-L campus using a UN-L Application for Admission form. In addition to the formal programs listed above, the University offers graduate work leading to selected endorsements/certificates in professional education. Information can be obtained from the College of Education. Students may also pursue graduate work as Unclassified students simply for the purpose of personal or professional advancement if admitted to graduate study in a department/area. The latter opportunity is limited, and the student should inquire before trying to enroll.

**SUMMARIES OF POLICIES AND PROCEDURES IN GRADUATE STUDIES**

The following summaries are presented in the hope that they will provide convenient checklists for students and for graduate student advisor. The summaries contain the critical information for students and deadlines.

**UNIVERSITY REGULATIONS**

The student is advised to be familiar with the academic regulations of the University and of the Graduate College; the student is expected to assume full responsibility for knowing the relevant academic requirements. The student is also responsible for complying with all regulations of the University, the Graduate College and the departments of instruction as well as for meeting all degree requirements and deadlines.

**NOTICE**

Acceptance of registration by the University of Nebraska and admission to any educational program of the University does not constitute a contract or warranty that the University will continue indefinitely to offer the program in which a student is enrolled. The University expressly reserves the right to change, phase out, or discontinue any program.

- The listing of courses contained in any University bulletin, catalog or schedule is by way of announcement only and shall not be regarded as an offer of contract. The University expressly reserves the right to (1) add or delete courses from its offerings, (2) change times or locations of courses or programs, (3) change academic calendars without notice, (4) cancel any course for insufficient registration, (5) change rules, charges, fees, schedules, courses, requirements, or any other policy or regulation affecting students, including, but not limited to, evaluation standards, whenever the same is considered to be in the best interests of the University.

Every reasonable effort will be made to enable students who maintain continuous enrollment in pursuing their degrees to follow the policies and requirements in effect at the time of their original admission. (To maintain continuous enrollment a student must do one of the following: [1] enroll in both semesters of every academic year with minimal enrollment or [2] enroll only in the summer and in at least one summer session each year. Students who have not maintained continuous enrollment and who have not been admitted to candidacy for the degree shall follow the regulations in the most recent Graduate Catalog. Students who have not maintained continuous enrollment and who have been admitted to candidacy for the degree shall follow the regulations in the Graduate Catalog in effect at the time at which they were admitted to candidacy. All students are responsible for being aware of all changes in regulations which affect their graduate work.

**SUMMARY OF ADMISSION PROCEDURES**

1. In order to receive graduate credit for courses taken at the University, a student must have been admitted to graduate studies at UNO. Exceptions can be made for students admitted to graduate studies on another campus of the University of Nebraska or for senior students nearing the completion of their undergraduate work; inquiries should be made in the Office of Graduate Studies.
2. In addition to the points listed below, international students must provide the Office of Admissions with letters of recommendation, statements of available financial support and evidence of ability to speak and write the English language (TOEFL).
3. Anyone wishing to apply for admission to graduate studies at UNO should:
Obtain an Application for Admission to graduate studies at UNO from the Office of Admissions; University of Nebraska at Omaha, 103 Eppley Administration Building; Omaha, Nebraska 68182.

Submit the completed application form with all required fees and documentation to the Office of Admissions, being careful to observe all deadlines.

Arrange to have an official transcript of all previously taken undergraduate or graduate coursework sent directly to the Office of Admissions.

Read the Graduate Catalog carefully to learn what the department/area may require for admission in addition to the admission application form and transcripts.

Arrange to have the official scores on all required aptitude or advanced knowledge tests (GRE, GMAT or MAT) sent to the Office of Graduate Studies; applicants for Unclassified admission are not required to submit these test scores.

When the file in the Office of Admissions is complete, the Office will forward the file to the appropriate department/area for review. The applicant will be notified by mail when this is done.

The recommendations by the department/area Graduate Program Committee on admission of the applicant will be sent to the Dean for Graduate Studies and Research. All recommendations on admission are subject to the approval of the Dean.

The Office of Graduate Studies will officially notify each applicant by mail of acceptance or denial of the application. This notification will include the classification of admission, identified deficiencies, assignment of adviser, reason for denial (if appropriate), etc.

All applicants admitted to UNO are sent an official Certificate of Admission to graduate studies when the admission process is complete. The Certificate of Admission is issued by the Office of Admissions and is the only recognized document confirming admission status at the University.

SUMMARY OF PROCEDURES FOR GRADUATE STUDENTS

1. Graduate students should meet regularly with their assigned advisers or with other departmentally approved advisers. At a minimum, before each registration period the students must meet with an adviser to arrange a class schedule for the upcoming semester; an adviser’s signature or computer card is required for each registration.

2. In order to be eligible to receive a graduate degree, students must be formally admitted to candidacy for the degree; this is a process distinct from admission to graduate studies in the degree program. Students should file an application for admission to candidacy for the degree after successful completion of between six and the last eighteen graduate hours taken at the University of Nebraska. See the section entitled, “Admission to Candidacy for the Degree” for further information. Official notification of admission to candidacy for the degree will be mailed to students by the Office of Graduate Studies. If such notification is not received within a reasonable time, the students should call the Office of Graduate Studies.

3. If the approved plan of study includes a thesis, students should follow all instructions included in the section entitled, “Thesis Option”.

4. Students should contact the Office of Graduate Studies at least once a semester to insure that their files are complete and in order.

5. All students are required to pass final comprehensive examinations before receiving a degree. The final comprehensive examinations are normally taken near the end of the degree program. Students should notify the department/area Graduate Program Committee at the beginning of the semester in which they plan to take the examinations.

6. During what is expected to be the semester of graduation and prior to the posted deadline students should make application in the Office of the Registrar for the conferral of the degree. If application is made in one semester, but requirements are not met in that semester, reapplication must be made in the next semester; no additional fee is required to reapply for the application.

7. Students must pay all fees and fines and satisfy all obligations to the University at least twelve working days before conferral of the degree.

8. Students wishing to participate in the Commencement ceremony must order a cap, gown and hood from the Bookstore.

GRADUATION CHECKLIST

- Pay all fees and fines and satisfy all obligations to the University at least twelve working days before graduation.
- Order a cap, gown, and hood from the Bookstore.

ADD THE FOLLOWING IF YOUR APPROVED PROGRAM INCLUDES A THESIS OR A FIELD PROJECT:

- Obtain a copy of “Instructions for the Preparation of Theses” from the Graduate Studies Office.
- A “Supervisory Committee for a Thesis Program” form must be on file at the Graduate Studies Office.
- Make arrangements with your department for oral exams and defense of thesis or field project.
- Call the Graduate Studies Office before the defense and a copy of the Degree Completion Report will be sent to your department. This must be signed by the Supervisory Committee before approval of the thesis. Return form to Graduate Studies Office promptly.
- The approved thesis or field project must be deposited in the Graduate Studies Office together with the proper number of copies at least 12 working days before graduation. The thesis binding fee must be paid in the Registrar's Office prior to depositing the thesis/field project.

Dr. John Hal
Special Education
Working with Handicapped Students
ACADEMIC CALENDAR

First Semester, 1986-87

July 3  
Last day for submitting credentials for admission to Graduate Studies for First Semester 1986-87.

Aug. 20, 21, 22  
Registration

Aug. 25  
First semester begins at 7:00 a.m. both day and evening classes.

Aug. 25-29  
Change of class schedules.

Aug. 29  
Last day until 4:00 p.m. to: Add a course to student’s schedule; Add an “audit” course. Change to “CR/NC” grade in a course.

Sept. 1  
Vacation; no classes. University closed.

Sept. 2  
Last day for filing applications for degrees to be conferred in December.

Oct. 3  
Thanksgiving vacation; no classes.

Oct. 7  
Last day until 4:00 p.m. to: Drop a course with a grade of “W”; Change a course to “audit” credit; Change from “CR/NC” to grade registration in a course.

Nov. 25-30  
University closed.

Dec. 1  
Classes resume at 7:00 a.m.

Dec. 5  
Last day for submitting credentials for admission to Graduate Studies for Second Semester 1986-87.

Dec. 13  
Last day of Classes.

Dec. 13-19  
Finals

Dec. 20  
Commencement.

Dec. 22-Jan. 1  
Holiday, University closed.

Dec. 24  
Grades due in Registrar’s Office at 12:00 noon.

Inter-session

Dec. 26-Jan. 9  
Special course offerings.

Second Semester 1986-87

Jan. 1  
Holiday. University closed.

Jan. 6, 7, 8, 9  
Registration

Jan. 12  
Second semester begins at 7:00 a.m. both day and evening classes.

Jan. 16-19  
Change of class schedule.

Feb. 1  
Last day until 4:00 p.m. to: Add a course to student’s schedule; Add an “audit” course. Change to “CR/NC” grade in a course.

March 6  
Last day for filing applications for degrees to be conferred in May.

March 22-29  
Spring Vacation; no classes.

March 30  
Classes resume 7:00 A.M.

April 3  
Last day until 4:00 p.m. to: Drop a course with a grade of “W”; Change a course to “audit” credit; Change from “CR/NC” to grade registration in a course.

April 7  
Last day for submitting credentials for admission to Graduate Studies for the Evening Summer Session 1987.

April 12  
Honors Day.

May 2  
Last day of classes.

May 6  
Commencement.

May 4  
Last day for filing credentials for admission to Graduate Studies for the First Summer Session, 1987.

May 13  
Grades due in Registrar’s Office by 12:00 noon.

May 25  
Memorial Day, University closed.

Summer Session 1987

May 11-June 26  
Evening Session “A”

June 3-4  
Registration

June 4  
Last day for submitting credentials for admission to Graduate Studies for Second Session Summer Session, 1987.

June 8-July 10  
First Summer Session.

June 11, 13, 14, 15  
Change of class schedule.

June 29-Aug. 7  
Evening Session “C”

July 4  
Holiday. University closed.

July 6  
Last day for filing applications for degrees to be conferred August 15, 1987.

July 13-Aug. 14  
Last day for submitting credentials for admission to Graduate Studies for the Fall Semester, 1987-88.

Aug. 15  
Second Summer Session.

Aug. 19  
Final grades due in Registrar’s Office by 12:00 noon.

*The above dates are subject to change. Modifications in the academic calendar could be necessitated by emergency conditions.
ADMINISTRATION OF GRADUATE STUDIES

The administrative Office of Graduate Studies on the UNO campus is located in Room 204 of the Eppley Administration Building. The office of the UNO Dean for Graduate Studies and Research, responsible for all graduate programs within the University is located in Room 227 of Varner Hall, Lincoln.

ORGANIZATION OF GRADUATE STUDIES

University of Nebraska

In 1971, at the direction of the Board of Regents, the Graduate College of the University of Nebraska (UNL) and the Graduate College of the University of Nebraska Medical Center (UNMC) and the Graduate College of the University of Nebraska at Omaha were merged. Administration of graduate programs and policies on that campus is vested in the approximately 1500 Members of the Graduate Faculty. The Bylaws of the Board of Regents state that the Executive Vice President and Provost of the University of Nebraska shall serve as Dean of the University-wide Graduate College and as presiding officer of the Graduate Faculty and councils thereof. The legislative and academic authority of the Graduate Faculty is vested in the Executive Graduate Council, comprising thirty Members elected by the faculty of the Graduate College and five graduate student members. Specific responsibilities of the Dean and of the Executive Graduate Council can be found in the "University of Nebraska Graduate College Governance Document.

University of Nebraska at Omaha

On cahch campus of the University on which graduate programs are offered, there is a campus Dean for Graduate Studies, a campus Graduate Faculty and a campus Graduate Council. The UNO Dean for Graduate Studies and Research administers graduate programs and policies on that campus; serves as presiding officer of the UNO Graduate Faculty and the UNO Graduate Council; and, forwards matters dealing with the University-wide Graduate Faculty administratively assigned to UNO. The UNO Graduate Council acts as an advisory body to the UNO Dean for Graduate Studies and Research, coordinates the graduate studies on the UNO campus and recommends to the Executive Graduate Council actions affecting students and programs on more than one campus. This Coordination Council includes elected faculty members and three graduate student members. Specific responsibilities of the Dean of the Graduate College and the UNO Graduate Council may be found in the "Organization of Graduate Studies: University of Nebraska at Omaha.

GRADUATE FACULTY

Graduate Faculty Members

Responsibilities: Graduate Faculty Members may teach graduate courses, supervise students enrolled in subdoctoral graduate programs, serve on the final examining committees for these students, and vote on any matters presented to the Graduate Faculty including the election of the Executive Graduate Council and the specific council of the campus.

Criteria: The following requirements for the nomination of Graduate Faculty Members were adopted by the Graduate Faculty to establish consistent standards for faculty members eligible for appointment to carry out these assignments:

1. The nominee must hold the rank of Assistant Professor or above.
2. The nominee must hold the terminal degree normally accepted for academic employment in the discipline or its close equivalent as determined by the Graduate Program Committee of the nominee's department or interdepartmental area.
3. The nominee will as part of his or her regular duties be actively involved in graduate student research and/or creative work.
4. The nominee must have demonstrated clear evidence of scholarly activity and potential beyond teaching. This evidence must be provided by the nominator.

Graduate Faculty Fellows

Responsibilities: Graduate Faculty Fellows may teach graduate courses, supervise and serve on supervisory committees for graduate degrees, work toward post-baccalaureate degrees, serve on all committees of the Graduate Faculty, and vote on nominations for Graduate Faculty Fellows.

Criteria: The following requirements for the nomination of Graduate Faculty Fellows were adopted by the Executive Graduate Council to establish reasonably consistent standards for faculty members eligible for appointment to supervise doctoral students:

1. The nominee must be a Graduate Faculty Member or meet all criteria for Graduate Faculty Membership.
2. The nominee must have published research and scholarly work of quality, or have demonstrated comparable creative achievement.
   a. In disciplines where publication is the normal outlet for scholarly work, the nominee must provide evidence of the nominator's significant, refereed publications appearing in the leading scholarly journals and/or publishing houses.
   b. In disciplines where publication is not sufficient, the nominee must provide evidence of creative work accomplished by the nominator.
3. The nominee must have demonstrated clear evidence of his or her creative work accomplished by the nominator.
4. The nominee may provide evidence of his or her creative work accomplished by the nominator.
5. The nominee may provide evidence of the nominator's teaching effectiveness in working with graduate students. This evidence may consist of peer and student evaluations or reports of student achievement subsequent to the receipt of advanced degrees.

GRADUATE PROGRAM COMMITTEES

Each graduate department authorized to offer major work leading to the Master's or Doctoral degree must have established for it a Graduate Program Committee consisting of not less than three Graduate Faculty Members, one of whom is designated as chairperson. In the case of a graduate department offering a doctoral degree, the majority of the Committee and its chairperson must be Graduate Faculty Members. In all cases, at least two-thirds of the members of the Committee must be Graduate Faculty Members. Members of the Graduate Program Committee are recommended by the departmental chairperson or other appropriate administrative officer to the Dean of the Graduate College, who has delegated that responsibility to the UNO Dean for Graduate Studies and Research.

In its graduate department the Graduate Program Committee must have the responsibility for the planning of the graduate program, the general supervision of candidates for graduate degrees and the planning and evaluation of the Graduate Program and of the Graduate College. To assure accountability and maintenance of the Graduate Program, the graduate faculty and procedures of the Graduate College, all graduate programs must be provided by Members or Fellows of the Graduate Faculty (with exceptions possible only for persons with a primary academic role under the direct supervision of a Member or Fellow). A change of advisor requires official action.

GRADUATE STUDENT ADVISORS

Upon admission to graduate studies in a graduate department, each student is assigned an advisor by the Graduate Program Committee. The advisor is responsible to the student and to the Graduate Program Committee in insuring that the student's work, including the plan of study, satisfies all academic requirements of the Graduate Program and of the Graduate College. To assure accountability and maintenance of the Graduate Program, the graduate faculty and procedures of the Graduate College, all graduate programs must be provided by Members or Fellows of the Graduate Faculty (with exceptions possible only for persons with a primary academic role under the direct supervision of a Member or Fellow). A change of advisor requires official action.

SUPERVISORY COMMITTEES

Some graduate programs require the establishment of a supervisory committee for each student. In particular, each student under Option I (page 5) must have a supervisory committee. Each committee is appointed by the Dean for Graduate Studies and Research upon recommendation of the Graduate Program Committee. The committee shall consist of at least two voting Graduate Faculty Members from the student's graduate department and at least one voting Graduate Faculty Member from another department. In addition, other qualified persons may be appointed to the supervisory committee if it is believed that they can provide the needed expertise or that they could gain valuable experience by participating on the committee. If the student is under Option I, the chairperson of the committee shall be considered the student's thesis advisor.
GRADUATE STUDIES AT UNO: HISTORY AND PURPOSE

For the more than seventy-five years since its founding in 1908, the University (first as the University of Omaha, then as the Municipal University of Omaha and the University of Nebraska at Omaha) has provided Omaha, the state of Nebraska and the nation with men and women of sound intellectual training and preparation for life. Its goal for its students, "To earn a living and live a cultured life not as two processes, but as one", has been its guide over the years.

The University of Omaha was founded in 1908 as a private, nonsectarian college. The University awarded its first Master's degrees in 1919 by special vote of the Board of Trustees. In 1931 the University of Omaha became the Municipal University of Omaha; in that same year the Master of Arts and the Master of Science degrees were authorized. In 1960 the Board of Regents of the University authorized the Specialist in Education degree, and in 1965 they authorized the Master of Business Administration degree.

In 1968 the Municipal University of Omaha was merged with the University of Nebraska and became the University of Nebraska at Omaha. In 1971 the Graduate College of the University of Nebraska was formed to govern graduate studies throughout the University of Nebraska. Since 1968 the University of Nebraska at Omaha has been authorized to offer five additional professional Master's degrees. In 1974 the cooperative program with UN-L leading to the Ph.D. in three areas of Psychology was approved.

Graduate studies are intended to provide more advanced education than the undergraduate work upon which all graduate programs are based. At UNO graduate students are provided with the following opportunities:
1. to work toward the various graduate degrees offered by the University;
2. to earn graduate credit for the issuance or renewal of certificates for teachers, administrators and educational psychologists;
3. to obtain personal or professional enhancement.

To enable the student to attain these objectives, the Graduate Faculty provide graduate courses, workshops, institutes, seminars, practica, research and special problems courses, and the supervision of theses or special projects. Thus they promote the spirit of free investigation in the various disciplines and, at the same time, serve to unite the various branches of the University in advancing human knowledge and providing intelligent, capable leadership for society.

ACCREDITED STANDING

The University of Nebraska at Omaha is fully accredited by the North Central Association of Colleges and Secondary Schools, and has programs which are accredited or approved by the National Council for Accreditation of Teacher Education, the Council on Social Work Education, the Engineers Council for Professional Development, the American Home Economics Association (for undergraduate programs), the American Dietetic Association, the American Assembly of Collegiate Schools of Business, the National Association of Schools of Music (for undergraduate programs), the Accrediting Council on Education in Journalism and Mass Communication (for undergraduate programs), the American Chemical Society and the National Association of Schools of Public Affairs and Administration. Its courses are accepted for purposes of teacher certification by the Nebraska State Department of Education. Course credits from the University of Nebraska at Omaha are accepted by other colleges and universities which are members of the North Central Association and by other regional accrediting agencies.

GENERAL POLICIES

Equal Opportunity/Affirmative Action

The Bylaws of the Board of Regents of the University of Nebraska state: "Admission to the University and the privileges of University students should not be denied to any person because of their age, sex, race, color, national origin or religious or political beliefs."

The University of Nebraska at Omaha declares and reaffirms a policy of administering all of its educational programs and related supporting services and benefits in a manner which does not discriminate because of a student's or prospective student's race, color, creed or religion, sex, national origin, age, handicap or other characteristic which cannot be lawfully the basis for provision of such services. These programs, services and benefits include, but are not limited to, admission, class assign-
Discrimination and Sexual Harassment

The University of Nebraska at Omaha reaffirms its desire to create an environment for all students and employees that is fair and responsible - an environment which is based on one's ability and performance. To that end, it is the policy of the University of Nebraska at Omaha that any form of discrimination because of race, color, age, disability, religion, sex or national origin, or any form of sexual harassment1 will not be tolerated. Appropriate corrective action will be taken in those instances where this policy has been violated. This policy is in keeping with federal employment and educational opportunity guidelines. Any student or employee will be subject to disciplinary action under this policy.

For information concerning this policy, students should contact the Assistant Vice Chancellor for Student Development Services, faculty should contact the Vice Chancellor for Academic Affairs and staff should contact the Affirmative Action Officer, Personnel Office.

Sexual harassment is defined as any unwanted communication of a sexual nature, whether verbal, physical, written or pictorial, which has the purpose or effect of intimidating the person receiving the communication or soliciting sexual contact of any nature when submission to or rejection of such contact is used as the basis for either implicitly or explicitly imposing favorable or unfavorable terms and conditions of employment or academic standing.

Privacy of Student Records/Information

In compliance with the Family Education Rights and Privacy Act of 1974, the University of Nebraska at Omaha guarantees students access to official records directly related to students and an opportunity for the student to challenge such records on the grounds that they are not accurate or inappropriate. Also, the institution must obtain the written consent of students before releasing identifiable data about students from records to other than a special list of exceptions. Students must be notified of the provisions of this policy.

An explanation of this Act and its application at UNO is available to all students, copies of which may be obtained at the Office of Student Activities, the University Information Center, the Office of the Registrar, the Orientation Office or the Office of Educational and Student Services.

Class Attendance

Classes are conducted on the premise that regular attendance is desirable and expected. The individual is responsible for knowing the requirements of each semester those attendance policies which prevail in that classroom.

If a student is absent or tardy, the student's primary responsibility is directly to the instructors, and the student should consult with them accordingly. A student who misses a class is nonetheless responsible for information and assignments communicated during that class session. If students discover that they are to be absent for an extended period, they should promptly notify the instructor and document the reason for the extended absences.

Instructors or other University officials who may require students, individually or collectively, to be absent from their classes due to a field trip or similar officially recognized activity are responsible for providing adequate information to the students involved so that the students may provide notice to other instructors.

Use of Human Subjects or Animals in Research

All campus research that involves the use of human subjects or animals must be reviewed and approved by The Institutional Review Board or the Animal Research Committee, respectively. This policy applies to both funded and nonfunded faculty and student research. Any individual research project that involves human subjects or animals must be approved by the appropriate committee prior to initiation of the research. For additional information, visit or contact Dr. Sharon Davis, 202 Ep Ry Administration Building.

Plagiarism

The prevention of plagiarism and the imposition of sanctions upon those who resort to plagiarism is necessary in any university that espouses the ideals embodied in the concept of academic freedom.

Plagiarism as a form of theft can destroy the appreciation of the work (be it ideas or works) of another without crediting the source. Such a practice is particularly reprehensible in a community dedicated to the pursuit and advancement of knowledge.

Plagiarism by Faculty

The investigation of allegations of plagiarism by a faculty member at any major administrative unit of the University of Nebraska shall be the responsibility of the Academic Freedom and Tenure Committee of that campus.

Plagiarism by Students

The investigation of allegations of plagiarism by a student or appeals therefrom, at any major administrative unit of the University of Nebraska shall be carried out under the appropriate faculty-student appeals committee of that campus.

Ethical Conduct

It should be understood that academic performance is not the only criterion for graduation. Students are expected to maintain the highest standards of ethical conduct pertaining to academic, professional practice and research activity. Any breach in ethical conduct shall be subject to disciplinary action, regardless of the student's prior or current academic performance.

ACADEMIC SERVICES

University Library

The University Library, a three-level building built in 1976 and located at the west end of the campus, offers many services to its users and contains materials and facilities for study and research. The collection includes approximately 540,000 volumes, 444,000 microform items and 4000 pieces of audio visual material. The total number of serials subscribed to is over 5,000, including almost 200 newspapers from around the world. Each library has a computer that provides access to the University Library catalog and federal and Nebraska state publications and also has documents from some other states and from the United Nations. Nearly all of the Library's collections are on open shelves and are arranged according to the Library of Congress classification system. After obtaining an LRS identification number at the Circulation Desk, University of Nebraska students, faculty and staff may check out library materials with their UNO U.D. card at any of the three UNO campuses.

Community users may obtain a borrower's card for a small fee.

Study areas include tables and chairs, individual carrels and small formal seating. Photocopying is available near the Media Center on the first floor (lower level). Seminar rooms, when not in use by scheduled classes, may be used for group study. An extended hours study room remains open during some of the hours when the main library is closed.

In addition to the services listed above, the media center is available for community use. The media center is responsible for community use of the television, film and audiovisual equipment associated with the classroom. The staff are available to aid students. Reference librarians answer questions at the Reference Desk and assist individual students with their research and give lectures to classes on the use of the Library and on the materials in specific subject areas. Attendants are available to aid Library users with government documents, current periodicals, reserve materials and audio visual and microform material and
University Campus Computing

The Office of Campus Computing is responsible for managing all aspects of academic and administrative computing on the UNO Campus. The Campus Computing staff consists of fifteen full-time employees and thirty-four part-time student employees. Offices are located in 110 Eppley Administration Building, 554-2468.

The UNO Campus offers a full range of automated data processing services to students, faculty and staff. Continual upgrading of computing capabilities provides UNO with modern up-to-date equipment and techniques. Interactive computing, computer graphics and computer-assisted analysis research are a part of everyday academic life. The computer as a tool is an integral part of virtually all fields of study, research and administration.

The academic computing capabilities centers around four major systems: two VAX 11/780 computers with a total of 2 megabytes of memory each, a VAX 11/700 computer with a PDP 11/44 with 1 megabyte of memory. Additionally, UNO contracts with the University of Nebraska Computing Services for time on their IBM 3081 computer located in Lincoln. Also available to students and faculty are two microcomputer labs—a Zenith microcomputer lab and one with Apple/Macintosh micros. These labs are primarily for classroom work; however, many students use them for independent research projects. There is a full array of software on our computers and varied academic pursuits on campus. All of our academic computing capability is provided at no cost to the students and faculty.

There is a total of 273 open access computer terminals located in five user rooms in the UNO campus for students and faculty. These rooms are in the basement of the College of Business Administration, the basement of the Eppley Administration Building, the first floor of the Arts and Sciences Building, the second floor of the Peter Rockwell Conference Center, and in the basement of the University Library. Consultants are available in each of these rooms to assist students in applying the computer to their classroom needs.

Funding for Graduate Student Research

An essential part of every graduate program is learning to use the tools of research, both scholarly and applied. Graduate students seeking funding for a research project should first inquire whether their department or college has funds available for that purpose. Information on other sources such as the University Committee on Research and funding agencies external to the University can be obtained from the Office of Grants Development, 202 Eppley Administration Building.

Student Organizations

A wide variety of student organizations makes it possible for students to find activities to fit their own interests and attitudes. Among the many student organizations are departmental, honorary, professional, student government and service groups. Professional fraternities and honorary organizations not only provide social contacts with other students but also give their members practical understanding of their chosen fields. For further information about student organizations, students are advised to contact the Office of Graduate Studies or, where applicable, their individual departments.

Tuition, Fees, Deposits and Refunds

The University reserves the right to change the amount of tuition or fees at any time, and to assess charges for laboratory fees, breakage, lost property, fines, penalties, parking, books, supplies, food or services not listed in this schedule.

Tuition and related fees are payable in full at the time of registration, or in accordance with delayed billing schedules. Students availing themselves of the delayed billing option must familiarize themselves with the due dates, as published. Note: Failure to receive the mailed billing notice will not excuse the student from payment responsibility, nor the late payment penalties. Students in need of financial aid must consult the Office of Financial Aid in 110 Eppley Administration Building. Application for financial aid should be made at the earliest possible time.

Courses which are added or registered which occur after the completion of the fourth week of classes must be paid in full prior to processing by the Office of the Registrar. Students waiting until the final due date for payment of tuition and fees or to register or add courses will be required to pay the late registration fee or change of program fee, whichever is applicable, and the late payment fee.

With the exception of the Bookstore, the University does not accept bank drafts for payment of any financial obligation.
Other laboratory/special instructional fees may be charged as authorized by the University. Please refer to the semester class schedule to determine which of the above fees are related to specific courses.

Conference, non-credit, and off-campus contract course fees are determined for each offering based upon the cost factors and peculiar circumstances involved.

**University Program and Facilities Fee (UPPF)-Undergraduate or Graduate**

Full-time students, undergraduate or graduate (12 credit hours or more) per semester: $59.75  
Part-time students, undergraduate or graduate (less than 12 hours) per semester: $38.25  
This fee is assessed to every student each semester of which $10.00 of each of these fees is a designated fee for Campus Recreation.

The UPPF receipts are divided into two separate funds: Fund-A Student Fees and Fund-B Student Fees. Fund-A Student Fees are established and allocated by the elected Student Government subject to the approval of the Chancellor of the University of Nebraska at Omaha in accordance with Board of Regents policy. Fund-A Student Fees are refundable upon request in accordance with guidelines and procedures established and published by the Vice Chancellor for Educational and Student Services. Students requesting and receiving a Fund-A refund will no longer be entitled to the student activities supported by Fund-A Student Fees. This portion is budgeted separately and procedures established and published by the Vice Chancellor for Educational and Student Services shall be recommended for immediate disenrollment.

The Fund-B of the UPPF is designated for services, staff salaries, maintenance of facilities and related expenses, student costs, and tuition and fees designated by the Chancellor. This portion is budgeted separately with emphasis upon continuing support. The Vice Chancellor for Educational and Student Services submits the projections to the Chancellor, who in turn submits the projections to the President and the Board of Regents for final approval.

**Nebraska State Student Association (NSSA) Fee:**

NSSA Fee (Fall- or Part-time) per semester: $0.50  
The NSSA fee receipts are for membership of UNO students who belong to the Nebraska State Student Association. The continuation of the fee is reconsidered each year. This fee is assessed to every student and is refundable each Fall and Spring Semester.

**Special Service Fees:**

Transcripts of Academic Record-First copy: $3.00  
Additional copies—Same order: $1.00  
Thesis Binding—per copy: $7.50  
Charge of Process Fee (per each class changed): $2.50  
Cap and Gown Rental (to be arranged through the Bookstore): $8.00  
Graduation Fee: $3.00  
Degree in Absentia (payable in addition to Graduation Fee): $2.00  
Returned Check—per check: $8.00  
Disenrollment checks given in payment for tuition and fees must be redeemed in cash prior to the date for late registration, otherwise the late registration fee will be assessed in addition to the regular check fee. If a check was issued either for payment of a non-refundable deposit or payment of a past due account to release a “stop enrollment” is returned unpaid by the due date, a non-refundable deposit and full tuition for the remaining classes are figured from the official last date of the semester as stated in the catalog. Required of students who remove residence or personal articles, it is necessary to personally come by the Field House facilities.

**Deposits:**

Key: [Key/la]  
NOSIC Uniform Deposit: $5.00  
Locker Deposit: $35.00  
HPER Building locker, lock and tool services are available to students and Campus Recreation personal articles. To renew lockers for the next semester or retrieve deposit or summer session. Required of students taking HPER service classes. Also required of Faculty, Staff and students using Field House facilities.

**Testing Fees:**

Credit by Examination, College-Level Examination Program (CLEP): $30.00  
Credit by Examination, per course (department): $25.00  
Graduate Management Admission Test (GMAT): $50.00  
Graduate Record Examination (GRE): $30.00  
Low School Adaptation Test (LSAT): $25.00  
Miller Analogies Test (MAT): $70.00  
Test of English as a Foreign Language (TOEFL): $275.00  

**Refund Schedule (Tuition):**

Refunds are computed from the date application is received by the Registrar, NOT from the date of withdrawal from classes.

Students paying tuition and fees on a deferred payment basis or under any other loan granted by the University, who withdraw before the account is paid in full are not relieved from the balance due. Refunds will first be applied to unpaid balances, and any remaining balance must be paid prior to so may prohibit registration for future academic semesters. Refunds are figured from the official beginning of the semester as stated in the catalog. Tuition and fees are due by the University’s academic calendar, not from the beginning of student’s individual class schedule.

Students who receive financial assistance and withdraw during the refund period may have all, or a portion, of their financial aid received. A financial aid recipient should first contact the Office of Financial Aid prior to an official withdrawal from the institution.

**Regular Semester**

<table>
<thead>
<tr>
<th>Period of Drop/Withdrawal</th>
<th>Percent Refunded</th>
<th>Percent Charged</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before first official day of semester</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>First week of classes</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>Second week of classes</td>
<td>75%</td>
<td>25%</td>
</tr>
<tr>
<td>Third week of classes</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>Fourth week of classes</td>
<td>25%</td>
<td>75%</td>
</tr>
<tr>
<td>Fifth week of classes</td>
<td>0%</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Summer Sessions (5 and 6 Week)

| Before first official day of semester | 100% | 0% |
| First three days of classes | 100% | 0% |
| Remainder of first week | 50% | 50% |
| Second weeks of classes | 25% | 75% |
| Third week of classes | 0% | 100% |

### Summer Evening and Special Contract (7 and 8 Week)

| Before first official day of semester | 100% | 0% |
| First three days of classes | 100% | 0% |
| Remainder of first week | 75% | 25% |
| Second week of classes | 50% | 50% |
| Third week of classes | 25% | 75% |
| Fourth week of classes | 0% | 100% |

### Non-Credit and Special Courses (10 Weeks or More)

| Withdrawal before classes start | 100% | 0% |
| Withdrawal before first week elapsed | 50% | 50% |
| Withdrawal before 2 weeks elapsed | 20% | 80% |
| Withdrawal after 2 weeks elapsed | 0% | 100% |
TRAVELING SCHOLAR PROGRAM

As a member of the Mid-America States Universities Association, the University of Nebraska at Omaha participates in the MASUA Traveling Scholar Program. Universities cooperating include Iowa State University, University of Kansas, Kansas State University, University of Missouri, University of Nebraska, University of Oklahoma and Oklahoma State University. The MASUA Traveling Scholar Program is designed to provide breadth and depth in the opportunities for graduate study at other MASUA universities by permitting advanced graduate students to study at another MASUA university where they may utilize unique facilities or specializations.

Graduate students at MASUA universities are eligible to participate in this program for up to two semesters or three quarters. The student's major advisor initiates the proposal for the student's participation by contacting the professor at another MASUA university where the student wishes to study.

The Graduate Dean at each MASUA university involved must concur in the proposed participation. During the time of participation, the student is expected to make inquiries in their department/area about the availability of Assistantships and the procedures for applying. The application and supporting credentials should be on file in the department/area by March 1 for consideration.

A Graduate Assistantship entitles the holder to a waiver of tuition costs up to twelve hours of graduate credit per semester. Most Graduate Assistants are also eligible for tuition waivers during the summer sessions. Graduate Assistants may apply for a Graduate Assistant tuition waiver for undergraduate or graduate course work that is required to meet a deficiency identified in the evaluation of the Graduate Assistant's application.

The following criteria and procedures for selection of the Presidential Fellows have been approved by the UNO Graduate Council:

1. Each graduate department/area shall be allowed to submit one nominee for the award.
2. Each department/area should submit the name of their nominee, at least one letter of recommendation, course work listed on their plans of study.
3. All nominations and accompanying documentation should be in the Office of Graduate Studies by June 15. A decision will be announced by July 15.

The Graduate Assistantship Program is available for graduate students who are enrolled in a graduate degree program. The Assistantships offer assignments in teaching, research or laboratory supervision designed to provide opportunities for supervised educational experiences at the graduate level. Interested students should make inquiries in their department/area about the availability of Assistantships and the procedures for applying.

The stipend, duration and method of payment; the selection procedures; and the general conditions of employment are announced in the Graduate Assistantship Program in the Office of Graduate Studies. The stipend is based on the student's field of study and the workload. The work schedule is expected to be equivalent to a full-time student's workload (at least 50% of the stipend). The stipend is paid on a monthly basis. No student may hold an Assistantship for more than four semesters (excluding summer sessions) unless recommended by the Graduate Program Committee of the department/area and approved by the Dean for Graduate Studies and Research.

The following policy governing Graduate Assistantships at UNO was passed by the UNO Graduate Council:

Policy Governing Graduate Assistantships

I. Academic Standards

Under this policy, an Assistantship is intended as an award to students who have demonstrated high academic performance and potential either at the graduate or undergraduate level. Graduate Assistantships must be held for work in good standing in a degree program in the Graduate College. Students who have received a graduate degree from a same department are not eligible except in extraordinary circumstances.

II. Recruitment and Selection of Graduate Assistants

Each graduate department or other departmental/area unit as appropriate, which awards Graduate Assistantships, shall establish its own procedures for recruitment and selection in accordance with University policy on affirmative action/opportunity.

III. Work Load

The work load for a Graduate Assistant should average twenty hours per week for the duration of the appointment and shall be construed to be the equivalent of .5 FTE. The department in which the Graduate Assistant is employed should make arrangements with its Assistants regarding various aspects of their work load. The Graduate Assistant shall be assigned work that is both educational and research-oriented. The student will carry the equivalent of a full-time workload in research or other duties that are necessary to complete requirements for graduation.

IV. Course Load

Graduate assistantships are expected to carry a minimum of six graduate hours per semester. However, two five-week summer sessions shall be equivalent to one semester. Graduate Assistants may not register for more than twelve semester hours.

V. Duties

Duties assigned to Graduate Assistants should be directly related to and in support of graduate studies in their chosen field of study. Typical examples would be one or more of the following:

(1) Teaching courses or discussion sections at the undergraduate level.
(2) Instructing and supervising undergraduate level laboratories or tutorial sections.
(3) Grading or otherwise evaluating academic performance of undergraduate students.
(4) Collecting and analyzing research data for faculty members.
(5) Preparing materials for laboratories or classroom presentations.

VI. Policy Governing Graduate Assistantships

It shall be the responsibility of each Graduate Program Committee, in consultation with the cognizant department chairperson or program director, to draw up an agreement with each Graduate Assistant at the time of appointment which shall specify the stipend, duration and method of payment; the selection procedures; and the general conditions of employment. The agreement shall be reviewed by the Graduate Program Committee if it is signed by both the chairperson of the Graduate Program Committee and the Graduate Assistant. The Graduate Program Committee upon the recommendation of the Graduate Assistant's faculty supervisor and the department chairperson, shall have the responsibility to review the Assistant's performance and to terminate the appointment for failure to discharge satisfactorily the duties specified in the agreement.

VII. Length of Appointments

Assistantships may be awarded on an academic year basis, a calendar year basis, or semester by semester basis. No student may hold an Assistantship for more than four semesters (excluding summer sessions) unless recommended by the Graduate Program Committee of the department/area and approved by the Dean for Graduate Studies and Research.

VIII. Selection Procedures

In order to obtain permission to create new Assistantships, whether funded by state appropriations or by outside grants, a brief statement of justification should be submitted for approval of
students specializing in Gerontology. Awards are based on financial need, scholarship and commitment to the field of aging. Further information and application forms may be obtained from the Gerontology Program office.

Phi Delta Gamma, a national sorority for women, annually offers three scholarships of $250 each to women graduate students who have completed approximately one-half of their graduate work with a good record. The application deadline is March 15 and application forms are available from the Office of Graduate Studies, Room 204, Eppley Administration Building.

GSL awards are normally based on need; however, the program is not based on need and may be used to supplement an aid package comprised of a GSL or other institutional aid. To apply for all loans listed above, as well as loans from other sources, contact the Office of Financial Aid, 103 Eppley Administration Building.

All students who are completing degrees are encouraged to register with Career Placement Services to talk about concerns with courses, educational-vocational planning, family and personal problems, friends and financial difficulties.

The Counseling Center is staffed with professionally trained and experienced counselors. Students may come to the center at their convenience during the day or early evening hours. Students are assured that their privacy will be protected. Conversations with a counselor are kept in confidence.

The Counseling Center provides a professionally qualified resource team in assisting students to make academic, personal and vocational decisions with the assistance of various assessment tools. While there is no single test or battery of tests that will "magically" reveal the information a person is seeking, the Counseling Center is expertly able to assist students to a clearer understanding of themselves. Testing is provided by the UNO Testing Center after consultation with a counselor. Interpretations and explanations of the results of these tests are provided by counselors from the center. Further examination of educational, personal and career opportunities can be developed from the exploration of information gathered by the testing and counseling sessions.

CAREER DEVELOPMENT. The Career Development process assists students, faculty, staff and administrators in making career and academic decisions. By exploring the many career alternatives in terms of one's interests, values, needs, abilities and qualifications for hundreds of different career fields.

The annual Summer Career Institute offers both credit and non-credit workshops to undergraduate and graduate students during the summer months as a means for introducing them to a Career Development program that will lead to more effective career planning.

The Counseling Center is located in Room 115 of the Eppley Administration Building (62nd and Dodge). Services are provided during the day and evening hours with the exception of weekends and announced university holidays. The telephone number is 554-2409.

Counseling Services

Counseling services are provided to assist UNO students in their educational, emotional-personal and social development. The goal of the Counseling Center is to use all available resources to assist students in meeting the personal and academic needs of the Counseling Center through the Center's efforts to talk about concerns with courses, educational-vocational planning, family and personal problems, friends and financial difficulties.
Student Part-Time Employment Services

UNO students seeking part-time employment should visit Student Employment Services in 111 Eppley Administration Building. Employment counselors are available to assist students in obtaining employment, most often in jobs with career interests where possible. Emphasis is placed on developing job-seeking skills and interviewing techniques with the Student Employment Service acting as a liaison between employer and student.

Students seeking part-time and full-time summer jobs may also utilize our services. Summer job listings are available and a Summer Jobs Fair is also sponsored each year. The Summer Jobs Fair provides students with an opportunity to meet and interview with interested employers who assist employers in locating students for various summer jobs.

Current listings of available jobs are posted on bulletin boards near the Student Government Office in the Milo Bail Student Center and in 111 Eppley Administration Building.

Students are referred directly to employers for job interviewing. All services are free.

Special Programs

The Office of Special Programs is the coordinating arm of several service units which assist UNO students with their special needs. The units include the Learning Center, Health Services, Handicapped Student Services, Minority Student Services and Women's Services. The Office of Special Programs is located in 117 Eppley Administration Building.

Handicapped Services: This service provides counseling to handicapped students as well as a forum for the interchange of ideas and services between qualified students. In accordance with UNO's policy, persons with disabilities are protected in UNO's programs. In 1973 (Section 504) a handicapped student who is enrolled in a course located in a "non-accessible" room may request (1) to be transferred to another section of the course which is accessible; (2) to have the location of the course changed to an accessible room. Students may initiate requests for transfer of course sections or room assignment in the Office of the Registrar. Interpreter Services for the deaf are available to qualified applicants; for more information, contact the Office of Special Programs.

Learning Center: The Learning Center offers a variety of academic support skills designed to aid all students. Services offered at the Center include seminars, tutorials, study skills workshops and seminars, and class review sessions. Make certain to contact the Center to see when the activities you need to participate in are being held. The Center is located in 117 Eppley Administration Building.

Minority Student Services: Minority Student Services is a program unit which is a referral agent for persons seeking information and services at UNO. The office disseminates information necessary in the coordination of activities involved with the diverse student population as well as those special interest groups organized on campus to serve them. Minority student services are also instrumental in providing cultural and academic programming for minority students at UNO. The service is located in 117 Eppley Administration Building, 504-2248.

Health Services: UNO Health Services, located in 132 Milo Bail Student Center, is available to all students and provides free first aid treatment for minor illnesses and emergency accidents if referred when necessary. Preventive health measures are a primary concern and include blood pressure checks, vision and hearing tests, breast cultures for possible strep infection, a tuberculosis skin testing program, plus scheduled clinics and programs on selected topics of interest. Health services are open Monday through Thursday from 8 a.m. to 6 p.m. and Friday from 8 a.m. to 5 p.m. A physician's assistant is available to students for consultation, diagnosis, treatment and follow-up care Monday through Friday from 9 a.m. to 5 p.m. Application must be made through Health Services for temporary or permanent handicapped parking permits.

Student Health Insurance: All UNO students carrying 6 or more hours have the option of contracting for accident and sickness insurance through a group plan made available by the University with a commercial insurance carrier at reduced premiums. If you are not protected for accident and sickness under a policy held by your parents, or one that you have purchased privately, you should consider participating in this or some other health care plan. A brochure describing coverage and benefits is available from the Health Center. Coverage for injury and sickness not due to University negligence is the full responsibility of each student.

Women's Services: This program provides counseling services to women students at UNO as well as current information and referrals concerning women's issues and problems. The coordination of programs and services, which focus on the educational, social and professional needs of women, is a function of this special program.
II. To Unclassified (Non-Degree) Status

B. Provisional Admission

Provisional admission to graduate studies may be granted to an applicant who has not less than a "B" average in undergraduate work or for an applicant who has graduated from an unaccredited institution. Unconditional status is available in some departments/areas for students who: subsequently decide that they want to pursue a graduate degree and wish to complete their undergraduate work at the University of Nebraska at Omaha. Students who have been admitted to a graduate degree program at another institution and who have completed at least twelve hours of graduate courses with a "B" average, providing all other requirements are met, are eligible for provisional admission to graduate studies.

Provisional admission will not be removed until the student has earned at least a grade of "B" in each course taken in the first twelve hours of graduate study. A grade of "C" or below in any of these courses will result in automatic dismissal.

Provisional admission may be continued to an applicant who has graduated from an unaccredited institution, for students who have not been admitted to graduate studies at another campus of the University of Nebraska within thirty days of graduation and who subsequently decide that they want to pursue a graduate degree and wish to complete their undergraduate work at the University of Nebraska at Omaha.

Provisional admission may be continued to an applicant who has not submitted the required aptitude tests or advanced knowledge tests(s). The student must, however, submit the score prior to the second registration as a graduate student.

Provisional status will continue until changed by the recommendation of the Graduate Program Committee and approved by the Dean for Graduate Studies and Research. Provisional status is automatically changed to Unclassified status upon candidacy for the degree.

II. To Unclassified (Non-Degree) Status

Unconditional admission is available to some departments/areas for students who:

1. are taking courses for professional growth or personal interest, but do not intend to pursue an advanced degree,
2. are enrolled in a graduate degree program at another institution and wish to transfer credits earned at UNO,
3. are in need of additional certification, additional endorsement, or renewal of certification in professional education.

Information on the availability of this option may be obtained from the department/area or from the Office of Graduate Studies. In particular, the MBA program does not admit students to Unclassified status.

PLEASE NOTE: Successful completion of graduate courses as an Unclassified student does not oblige a graduate department/area to accept those courses for credit toward the fulfillment of degree requirements. Students who have enrolled under the Unclassified designation and who subsequently decide that they wish to pursue a graduate degree must complete and file a Request for Change form with the Office of Graduate Studies. The application for approval by the Graduate Record Examination general aptitude portions. Applicants for admission to graduate programs in Counseling and Special Education must take the Miller Analogies Test (MAT), prior to admission. Some other departments/areas accept the GRE in lieu of the general aptitude portions of the GRE.

Special Permission to Register for Graduate Credit

I. Seniors at an Accredited Institution

Seniors at an accredited institution (including UNO) who have obtained in advance the approval of the appropriate campus Dean for Graduate Studies may receive up to twelve hours of graduate credit for courses taken at any campus of the University of Nebraska in addition to the courses necessary to complete their undergraduate work, provided that they file the appropriate paperwork in the Office of Graduate Studies and Research from all graduate courses at the end of the eight-week period, and will not be permitted to attend classes beyond that date. Students seeking admission to a degree program at the University of Nebraska at Omaha who wish to transfer undergraduate credits must realize that even if all admission materials are presented, the Graduate Program Committee evaluating these materials may deny admission to the program. If this occurs, a determination will be made as to whether the student may continue graduate studies in the Unclassified status or will be disenrolled from all graduate courses.

II. Temporary Admission

When unexpected circumstances preclude processing applications for Unconditional, Provisional or Unclassified admission, the Dean for Graduate Studies and Research may issue a Temporary Admission to graduate studies. Students applying for admission must complete and submit all materials required by the cognizant department/area (including transcripts of all graduate and undergraduate work, one of which must show an acceptable baccalaureate degree for the equivalent, or a statement from the office of another institution indicating that the student is in good standing in a graduate-level degree program at the institution). Applicants for the Graduate Record Examination general aptitude portions. Applicants for admission into graduate programs in Counseling and Special Education must take the MAT.
Test of English as a Foreign Language

The test of English as a Foreign Language (TOEFL) international examination is administered at many sites throughout the world, including the UNO Testing Center. In addition, a local administration, the results of which can be used only at UNO, is available at the UNO Testing Center at frequent intervals.

READEMISSION TO GRADUATE STUDIES

Anyone who has previously been enrolled as a graduate student at UNO, but who has not been in continuous enrollment, must be readmitted to graduate studies before again registering for classes. Such readmission is subject to approval first by the department/area and then by the Dean for Graduate Studies. In order to complete the application process, the applicant must complete a new Application for Admission form indicating the department/area to which they were last admitted, changes of program and/or category of admission can be accomplished subsequent to readmission. Students are advised to complete the readmission process prior to registration.

REGISTRATION

All persons who attend classes at the University must have been admitted to the University; they are required to register and pay the established tuition and fees. The dates, times, locations and procedures for registration are listed each semester in the "Graduate Class Schedule" which is available at the Office of the Register.

ADMISSION TO CANDIDACY FOR THE DEGREE

Eligibility

Eligibility for admission to candidacy for the degree is established when all the following conditions are met:
1. An official transcript showing the receipt of an appropriate baccalaureate degree is on file in the Office of Graduate Studies.
2. The scores on all required aptitude or advanced knowledge tests are on file in the Office of Graduate Studies.
3. A minimum of six hours of graduate courses to be included in the plan of study have been completed within the University of Nebraska.
4. With no grade lower than a "C", a "B" average has been earned on all completed course work included in the plan of study.
5. Any "Incomplete" ("I") grade received in a course (excluding thesis or special research projects) included in the plan of study has been removed prior to filing the application. In unusual circumstances, the cognizant Graduate Program Committee may recommend, in writing, to the Dean for Graduate Studies and Research that an application be approved, even though it contains one or more "I" grades in the plan of study.
6. All additional requirements of the department/area have been met.

Procedures

An application form for admission to candidacy for the degree can be obtained from the advisor or from the Office of Graduate Studies. The form should be completed by the student, in consultation with the major (and minor) advisor(s). For those candidates not writing a thesis, the examination form is a written one. For those candidates writing a thesis, the final comprehensive examination may be either written or oral. The program of the cognizant department/area. The examination form should be signed by the advisor(s), who should then submit the form to the department/area Graduate Program Committee. When the application has been approved by the department/area and the Dean for Graduate Studies, the application will be forwarded to the Dean for Graduate Studies and Research for approval.

When the student has been admitted to candidacy for the degree, written notification will be sent to the student and to the advisor.

Guidelines for Construction of a Plan of Study

Every plan of study must conform to all policies of the UNO Graduate Faculty and of the cognizant graduate department(s). The following general guidelines should aid students and advisers to construct a plan of study:

1. At least one-half the hours of non-thesis course work on a plan of study should be in courses which are restricted to graduate students (8000, 8100, 8170 and 8180) and which are restricted to graduate students (8000, 8100, 8170 and 8180).
2. A plan of study for an Option I Master of Arts or Master of Science degree should have at least six hours of thesis and a minimum of twenty-four semester hours of non-thesis course work.
3. A minimum of six hours of course work used to satisfy the requirements for a second graduate degree may be applied toward the requirements for a second graduate degree if the hours are approved by the Graduate Program Committee responsible for the second degree program and by the Dean for Graduate Studies.
4. BSAD courses 8110, 8170 and 8180 may not be used on a plan of study.
5. See the section entitled, "Transfer of Graduate Credit".
6. Each plan should contain suitable alternatives in case certain courses cannot be included in the program.
7. If there are any irregularities (such as a late filing of the application, courses which were not taken within the time limit for degrees, etc.) in the plan of study or application, a memo explaining these irregularities and stating the recommendation of the Graduate Program Committee should be attached to the application.

Changes in the approved plan can be made after the admission to candidacy has been approved, as long as the changes have the appropriate approvals. Requests for such changes can be made on a form available from the Office of Graduate Studies.

THESIS OPTION

A thesis provides an opportunity for the student to obtain first-hand experience in research methods under competent direction. Students in many degree programs may elect a thesis option. In other programs it is required.

For each student pursuing a thesis option, the Dean for Graduate Studies and Research appoints a supervisory committee. Information on the appointment of such committees, the requirements for the committee section in this Graduate Catalog. The supervisory committee should be appointed as early in the student's program as possible. The committee shall supervise all aspects of the thesis project and approve the final form of the thesis.

The thesis should be submitted no later than eight months before the anticipated date of graduation in order to provide sufficient time for research, writing and examination. It is the responsibility of the student to follow all regulations contained in the pamphlet, "Instructions for the Preparation of Theses and Ed.S. Field Projects", a copy of which can be obtained in the Office of Graduate Studies.

The student must defend the thesis in an oral examination before the supervisory committee. The students should obtain a copy of the Graduate Degree Completion Report from the Office of Graduate Studies to take to the oral examination. When the final approved form of the thesis is complete, the supervisory committee must sign each copy of the form and each copy of the acceptance page for the thesis.

The student should then have the desired number of copies of the thesis made. Two copies, the original and one additional, are required for the Library. Students may wish to have additional copies for their advisor, for the department and/or advisor, or for others. The cost of binding the thesis is paid by the student before submitting the final copies of the thesis to the Office of Graduate Studies. There is an additional charge for the supervisory committee members on the approval of all copies. All copies must be submitted no later than twelve working days prior to the anticipated date of graduation.

FINAL COMPREHENSIVE EXAMINATIONS

A final comprehensive examination is required of all candidates for the Master's degree. There are three exceptions to this rule where an alternative measure of mastery has been approved: The Master of Business Administration; Master of Professional Accounting; and the MA or MS with a major in Psychology, Educational Psychology or Industrial/Organizational Psychology.

The comprehensive examinations should be taken near the conclusion of the students' programs and should measure the students' knowledge and ability to synthesize that knowledge in the analysis of questions involving more than one concept. For those candidates not writing a thesis, the examination is a written one. For those candidates writing a thesis, the final comprehensive examination may be either written or oral. The program of the cognizant department/area. The examination form should be signed by the advisor(s), who shall then submit the form to the department/area Graduate Program Committee. When the application has been approved by the department/area and the Dean for Graduate Studies, the application will be forwarded to the Dean for Graduate Studies and Research for approval.

When the student has been admitted to candidacy for the degree, written notification will be sent to the student and to the advisor.

UNIVERSITY OF NEBRASKA AT OMAHA
at the convenience of both the student and the minor adviser but falling within the limits established for all comprehensive examinations.

Most graduate departments require students to register for the comprehensive examinations at the time of their final enrollment; however, students should check with their advisers early in their programs to determine departmental policy concerning the administration of the final comprehensive examinations.

Results of comprehensive examinations must be submitted to the Office of Graduate Studies by the Graduate Program Committee no later than twelve working days before the anticipated date for the conferral of the degree.

QUALITY OF WORK STANDARDS

Graduate students are expected to do work of high caliber. Failure to do so will result in at least temporary dismissal from the degree program or from graduate standing. In particular, any one of the following will result in automatic dismissal from the degree program for those students with Unconditional or Provisional admission to a degree program:

1. Failure to maintain a “B” average in all graduate work taken as part of the degree program;
2. Failing to obtain at least nine hours of graduate credit with a grade of “C” or “C+” in any courses taken in the students’ major field of study or in any course included in the plan of study, regardless of the average;
3. Receiving a grade of “D+”, “D”, or “F” in any course taken in the students’ major field of study or in any course included in the plan of study.

Transfer of graduate credits from a course taken with extension credit but not including correspondence courses is automatic but in accordance with the limitations set out above.

Approval of transfer of graduate credit for course work taken at another accredited university (including extension credit but not including correspondence courses) is made at the time of admission to candidacy for the degree. Grades received in courses for transfer of credit must be equivalent to “B” or higher. Transfer of graduate credits from a course taken with extension credit but not including correspondence courses is automatic but in accordance with the limitations set out above.

Transfer of graduate credits from a course taken with extension credit but not including correspondence courses is automatic but in accordance with the limitations set out above.

TRANSFER OF GRADUATE CREDIT

Approval of transfer of graduate credit for course work taken at another accredited university (including extension credit but not including correspondence courses) is made at the time of admission to candidacy for the degree. Grades received in courses for transfer of credit must be equivalent to “B” or higher. Transfer of graduate credits from a course taken with extension credit but not including correspondence courses is automatic but in accordance with the limitations set out above.

Transfer of Credits Taken Outside the University of Nebraska:

Approval of transfer of graduate credit for course work taken at another accredited university (including extension credit but not including correspondence courses) is automatic but in accordance with the limitations set out above. Approval of transfer of graduate credit for course work taken at another accredited university (including extension credit but not including correspondence courses) is automatic but in accordance with the limitations set out above.

Transfer of Credits Taken Outside the University of Nebraska:

Approval of transfer of graduate credit for course work taken at another accredited university (including extension credit but not including correspondence courses) is automatic but in accordance with the limitations set out above.

The recommendation of the Graduate Program Committee will be forwarded to the Dean for Graduate Studies and Research. The total hours of transfer credit may not exceed the number stated for the degree program.

Removal

Instructors must indicate by a departmental record, with a copy to the students, the means and the deadline by which an “I” is to be removed; and if they are at the University at the time of the removal, they must sign the make-up work and report the permanent grade. In the event that the instructor is not available at the time of the student’s application for removal of an “I”, the department chairperson shall be responsible for the removal of the Incomplete and turn in the permanent grade. In a limited number of cases some departments will allow longer than one semester for the removal of an “I” in specific courses; contact the department for details.

The recommendation of the Graduate Program Committee will be forwarded to the Dean for Graduate Studies and Research. The total hours of transfer credit may not exceed the number stated for the degree program.

Incomplete

Purpose

The grade “Incomplete” (“I”) is to be used by an instructor at the end of a term to designate incomplete work in a course. It should be used when a student, due to extenuating circumstances such as illness, military service, hardship or death in the immediate family is unable to complete the requirements of the course.

Instructors should state in the Plan of Study whether or not such an “I” is appropriate. In any such situation as to whether an “I” is appropriate, the student shall be required to submit grades (excluding thesis or research courses) will resultin a stop enrollment for any transfer and applicability of credits earned in one program of the University of Nebraska toward meeting the degree requirements in another such program, except as they are used to earn distinct degrees. However, such credits may be individually evaluated and approved by the appropriate Graduate Program Committee and approved by the Dean for Graduate Studies before they can actually be transferred. UNO students who wish to take courses at the University of Nebraska-Lincoln or at the University of Nebraska Medical Center for transfer of credit should obtain an Intercampus Registration Form from the Office of Graduate Studies.

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INCOMPLETES

Purpose

The grade “Incomplete” (“I”) is to be used by an instructor at the end of a term to designate incomplete work in a course. It should be used when a student, due to extenuating circumstances such as illness, military service, hardship or death in the immediate family is unable to complete the requirements of the course.

Instructors should state in the Plan of Study whether or not such an “I” is appropriate. In any such situation as to whether an “I” is appropriate, the student shall be required to submit grades (excluding thesis or research courses) will resultin a stop enrollment for any transfer and applicability of credits earned in one program of the University of Nebraska toward meeting the degree requirements in another such program, except as they are used to earn distinct degrees. However, such credits may be individually evaluated and approved by the appropriate Graduate Program Committee and approved by the Dean for Graduate Studies before they can actually be transferred. UNO students who wish to take courses at the University of Nebraska-Lincoln or at the University of Nebraska Medical Center for transfer of credit should obtain an Intercampus Registration Form from the Office of Graduate Studies.

Acquittal of Two or More Incompletes

Two or more “I” grades (excluding thesis or research courses) will result in a stop enrollment for any new courses, the stop enrollment will stay in effect until the record shows no more than one “F” grade. Grades of “I” must be removed within one semester (excluding summer sessions) after they have been awarded or they will be turned into a grade of “F” by the Office of Graduate Studies. Any extensions to the one semester limit must be approved by the Dean for Graduate Studies and Research prior to the time that the “F” reverts to an “I”. In a limited number of cases some departments will allow longer than one semester for the removal of an “I” in specific courses; contact the department for details. “Incomplete” grades in thesis or research courses must be removed within two years of the date the “I” was awarded unless approval is granted by the Dean for Graduate Studies and Research for an extension and the student remeets for the credit.

TIME LIMIT FOR GRADUATE DEGREES

The degree program (as defined in the plan of study) for a Master’s degree must be completed within a maximum of five years. The first day of class of the earliest course which appears in the last thirty-six semester hours of the student’s plan of study is the beginning of the student’s graduate education. Courses which would be taken between six and ten years prior to completion of the degree program defined in the plan of study can be submitted for validation on an individual basis. Coursework which would be over ten years old cannot be submitted for validation.

In a limited number of cases some departments will allow longer than one semester for the removal of an “I” in specific courses; contact the department for details. “Incomplete” grades in thesis or research courses must be removed within two years of the date the “I” was awarded unless approval is granted by the Dean for Graduate Studies and Research for an extension and the student remeets for the credit.

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OTHER POLICIES

Auditing Courses Offered for Graduate Credit

In order to audit courses for graduate credit, students must be admitted to graduate studies. Permission of the advisor and approval of the Instructor of the course should be obtained prior to registration. It is the student’s responsibility to determine privileges, including examinations connected with the course. Students registered for credit may change to audit registration during the first eleven weeks of a semester or during the first half of a class if it runs longer or shorter than a semester.
Change of Graduate Degree Program

Students who wish to change their graduate degree programs should obtain the appropriate form from the Office of Graduate Studies. Procedures are explained on the form. The decision as to whether students requesting a change will be accepted shall be left to the Graduate Program Committee of the departments in which they are seeking admission and to the Dean for Graduate Studies and Research. Students who have two or more grades of "Incomplete" on their records are not eligible to change degree programs.

Course Loads for Graduate Students

Full-time graduate students at the University of Nebraska at Omaha shall be defined as students enrolled for at least nine credit hours during an academic semester or at least three hours during a five-week summer session, irrespective of whether or not the student holds a graduate assistantship.

Students enrolling for more than twelve hours must have the approval of the Dean for Graduate Studies and Research. In some programs special permission may be granted to take more than 12 hours as a regular load. Students should consult with department for provisions.

Courses Offered for Graduate Credit

Courses which are available for graduate credit are those which have been approved by the UNO Graduate Faculty or its designee. All syllabi for courses approved for graduate credit are on file in the Office of Graduate Studies. Students will not be allowed to upgrade or retake courses previously taken for undergraduate credit so that they can be used for any purpose where graduate credit is required.

A numbering system is used to indicate the availability and level of courses for graduate credit, as follows:

- 3-5-6 (e.g., 31108115) or 4-5-6
- 8-0 or 9-

Courses with these numbers are open to both undergraduate and graduate students. Only 8-0 and 9-0 receive graduate credit; it is expected that students enrolled for graduate credit will do work at a level higher than that which is expected of undergraduate students in the same course. Some seniors, for undergraduate credit so that they can be used for any purpose where graduate credit is required.

Credit/No Credit Option for Courses Offered for Graduate Credit

The UNO Graduate Faculty does not, in general, allow the Credit/No Credit option for courses offered for graduate credit. However, each Graduate Program Committee shall have the right to designate courses as practice, independent studies or research courses on which this option can be used. The decision as to which option is to be used in such courses, see "Admission to Graduate Studies at UNO - Special Permission to Register for Graduate Credit".

Courses with these numbers are open to graduate students only.

Dropping Courses

Students can drop courses after the date identified in the academic calendar for that semester. Exceptions may be made when there are extenuating circumstances. Students requesting an exception must obtain the instructor's certification that work to date at or more of the following is work to date at or more of the following is as follows:

- 8-0

The grade of "Credit" is interpreted to mean the equivalent of a grade of "B" or better and is not considered in the calculation of grade point averages.

Residency Requirements

All credit hours earned in a plan of study leading to a graduate degree must be taken in residence at the University of Nebraska at Omaha, except as provision is made for transfer of credit.

Withdrawal from All Courses

To officially withdraw from all classes and thereby from the University, and to receive any refund due as well as appropriate posting of academic standing for the grading periods in question, graduate students are required to obtain the signatures of the adviser and the UNO Dean for Graduate Studies and Research prior to submitting the withdrawal form to the Office of the Registrar. Any refund of fees will be posted in the Office of the Registrar and published in the class schedule. Failure to withdraw according to this procedure may cause forfeiture of refunds and inappropriate posting of grades.

GENERAL APPEAL PROCEDURES

FOR ACADEMIC MATTERS

CONCERNING GRADUATE STUDENTS

Appeal of General Academic Matters Related to Student Programs

A. Graduate students holding admission with unclassified status in the Graduate College, admission with a Master's objective or admission with a doctoral objective (but prior to the appointment of a doctoral supervisory committee) should appeal as follows:

1. Initially, the appeal should be submitted to the student's adviser.
2. If denied, the appeal may be submitted to the department/area Graduate Program Committee for Graduate Studies.
3. If denied, an appeal may be made to the Graduate Council for the campus administratively responsible for the student's graduate program. Normally, this will be the final appeals body (for exceptions, see paragraph E).

B. Graduate students holding admission with a doctoral objective in the Graduate College and for who a doctoral supervisory committee has been appointed should appeal as follows:

1. Initially, the appeal should be submitted to the student's adviser.
2. If denied, the appeal may be submitted to the student's supervisory committee.
3. If denied, the appeal may be submitted to the department/area Graduate Program Committee for Graduate Studies.
4. If denied, an appeal may be made to the Graduate Council for the campus administratively responsible for the student's graduate program. Normally, this will be the final appeals body for graduate students.

C. When a student's graduate program consists of registrations essentially or entirely on one campus, the Graduate Council of the campus administratively responsible for the program will constitute the appeals body. In such cases, the student's graduate program includes students who are registered on another campus other than the one administratively responsible for the program, three members of the Graduate Council for the other campus will be designated by the Dean for Graduate Studies on that campus to augment the Graduate Council on the campus administratively responsible for the program. In this case, the augmented Council will constitute the appeal board. Then decision concerning the augmentation of a campus Graduate Council for a specific appeal involving students on a campus other than the one administratively responsible for the student's program will be made by the Deans for Graduate Studies on the campuses involved.

D. In all cases, appeals should be made in writing to the appropriate advisor, committee, or council.

E. In those cases where the appeal concerns graduate-level qualifying exams, comprehensive exams or final oral exams, the following deadlines must be observed. It is the responsibility of the student to notify the Office of Graduate Studies about the results of the examination within thirty days after completion of the examination. The initiation of the appeal, in writing, by the student must be filed within thirty days following the student's receipt of notification of the evaluation result.

In those cases involving an appeal of termination of program, initiation of the appeal, in writing, by the student must be filed within thirty days following the student's receipt of the official written notification by the Office of Graduate Studies.

1. There is no absolute right of appeal to Committee III of the Executive Graduate Council. Committee III will accept appeals only in those cases where in the exercise of its sole discretion it shall find that one or more of the following reasons exists for accepting the appeal:

a. That the campus Graduate Council has not followed an established procedure or has failed to follow procedures established for the appeal (example: has not followed a course of action prescribed by the Office of the Registrar).
b. That the campus Graduate Council has not followed an established procedure or has failed to follow procedures established for the appeal (example: has failed to follow procedures established for the appeal).
c. That the campus Graduate Council has not followed an established procedure or has failed to follow procedures established for the appeal (example: has failed to follow procedures established for the appeal).
d. That the campus Graduate Council has not followed an established procedure or has failed to follow procedures established for the appeal (example: has failed to follow procedures established for the appeal).
e. That the campus Graduate Council has not followed an established procedure or has failed to follow procedures established for the appeal (example: has failed to follow procedures established for the appeal).

A decision by Committee III not to accept jurisdiction of an appeal shall be final and is not subject to further appeal.

2. Appeals to Committee III of the Executive Graduate Council must be made in writing and must specifically outline the grounds for appeal. Such appeal must be made within thirty working
days of the day the decision of the campus council is received (working days shall not include those days the University is not in session).

3. Committee III of the Executive Graduate Council must make a decision to hear the appeal or not to hear the appeal within thirty working days after receipt of the appeal. Acceptance or denial of jurisdiction over the appeal will be made in writing.

4. The decision of the Committee on the merits of the case shall be made and transmitted to the concerned parties within forty working days after the decision to hear the appeal.

5. No person who was a member of the department or campus graduate council involved in the case will be eligible to participate in the decisions of Committee III of the Executive Graduate Council either to decide whether the case should be heard or to decide the merits of the case.

Appeal of Grades in Graduate-Level Courses

Appeal of grades in graduate-level courses shall be made through the graduate student grade appeal procedures for the campus through which the grade was awarded. Students who believe their evaluation in a course has been prejudiced or capricious must first attempt to resolve the matter with the course instructor and then the department through which the course was offered. If the matter is not resolved, the student may file an appeal in writing to the campus Dean for Graduate Studies, who shall inform the student of the grade appeal procedures approved by the Graduate Faculty or by their duly elected representative Graduate Council for that campus, and who shall forward the appeal to the student-faculty committee or council which is designated to hear graduate-level course grade appeals on that campus. Since awarding grades in courses occurs at the individual campus level, the decision of the campus committee or council designated to hear the case on behalf of the campus Graduate Faculty shall be final and is not subject to further appeal.

The initiation of the appeal in writing by the student must be filed within six weeks following receipt of the grade from the Office of the Registrar.
DEGREE/CERTIFICATE REQUIREMENTS
AND COURSE DESCRIPTIONS

BIOLOGY

PROFESSORS: deGraw, Egan, Lunt, Sutherland
ASSOCIATE PROFESSORS: Bragg, Fawcett, Geluso, Hayhome, Ingham, Mothier, O'Dell,
Sharpe, Steckel, T. Weber
ASSISTANT PROFESSORS: Antlfinger, Engelmann, French, Nordahl

To enter a degree program with a major in biology, an applicant must normally present 24 semester hours of credit in the biological sciences including background in zoology, botany, and genetics -plus evidence of adequate preparation in the supporting sciences of inorganic and organic chemistry, physics, and mathematics. Students with inadequate backgrounds may be admitted provisionally and will be required to make up deficiencies. The GRE (aptitude and advanced biology test) is required and the scores must be submitted before a student will be admitted to the program.

In addition to the application for admission, transcripts, and GRE scores, the Biology Department also requires submission of three letters of recommendation and a personal statement of goals. Recommendation forms will be sent from the Biology Department upon receipt of the application for admission and transcripts.

Master of Arts

To complete the Master of Arts degree with a major in biology the candidate must present 30 credit hours of graduate coursework in biology to include 6 cr. hrs. of Thesis (8990), 1 cr. hr. of Graduate Seminar (8010), and at least 23 cr. hrs. of appropriate courses to be determined by the student and the faculty advisory committee. At least 8 of these 23 cr. hrs. will be taken at the 8000-level courses. Graduate students are expected to attend the Graduate Seminar (8010) even when not registered for it. The candidate must pass a final oral examination and present his/her thesis results at an open meeting of the faculty and students.

Master of Science

A student may become a candidate for this degree upon the recommendation of his/her advisory committee. The candidate for this degree must present 36 hours of graduate work in biology, including 3 cr. hrs. of Graduate Seminar (8010), 2-6 cr. hrs. in Independent Research in Biology (8020), and other appropriate courses to be determined by the student and his/her graduate advisory committee. At least 18 cr. hrs. of the total 36 cr. hrs. required for the degree will be taken at the 8000-level. Graduate students are expected to attend the Graduate Seminar (8010) even when not registered for it. The candidate must pass a final written comprehensive examination.

Master of Public Administration — Environmental Option

The Biology Department cooperates with the Department of Public Administration in offering this degree. The degree is administered through Public Administration and is described under that department.

3230/8235 Microtechnique (3) A course in the techniques of fixation, dehydration, staining, cleaning and mounting biological material in the manufacture of microscope slides. Prereq: Two years of biological sciences.

3530/8535 Flora of the Great Plains (3) The classification, identification, and recognition of common vascular plants, including weeds, ornamentals, and indigenous plants, found in the great plains. Prereq: Biology 1450/1750.

3630/8635 Plant Anatomy (3) A study of cells, tissues, and organs of vascular plants with particular emphasis on internal structure of seed plants. Prereq: Biology 1450/1750.

3730/8735 Fauna of The Great Plains (3) A survey of the common animal groups found in the great plains, including their evolution, ecology, distribution and specific adaptations to the environment of the temperate North American grasslands. Prereq: Biology 1750.

3740/8745 Histology (4) Analysis of the microscopic anatomy of tissues and organs, their adaptations and functional significance. Prereq: Biology 1750, and a course in vertebrate anatomy, or permission of the instructor.

4100/8106 Biogeography (3) This course is intended as an introduction to Biogeography, the study of the distribution of organisms in space and
DEGREE REQUIREMENTS

BIOLOGY

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4100/126 Problems in Ecological Management

4100/127 Directed study in the application and evaluation of methods used for managing native and exotic ecosystems. Prereq: Graduate standing in Biology and permission of the instructor. (1-6) An original and independent research project written under the supervision of a faculty thesis advisory committee.

4110/136 Experimental Genetics (3)

Laboratory studies in genetics emphasizing experimental techniques and laboratory experience. May be taken for credit or for credit, up to 6 credits for M.A. degree candidates, up to 4 credits for M.S. degree candidates. Prereq: Biology 3340/8345 and written permission of instructor. Graduate standing and permission of graduate faculty supervisor.

4100 Advanced Topics in Biology (1-3)

Lecture and/or laboratory courses for graduate students designed to provide exposure to biological specialties not offered in the regular curriculum. Prereq: Graduate standing and permission of instructor.

4170 Advanced Readings in Biology (1-3)

An in-depth study of the literature in a limited segment of the biological sciences under the supervision of a graduate faculty member. May be taken for credit or for credit, up to a total of six credits. Prereq: Graduate standing and written permission of a graduate faculty member.

4180 Biostatistics (3)

A study of principles and techniques in animal and plant biostatistics. The course will focus on the species problem and upon the experimental investigation of the problem. Readings, discussions, laboratory, and a written report. Prereq: Graduate standing in biology and permission of the instructor.

4190 Communities and Ecosystems (3)

Advanced study of populations, communities, and ecosystems; may require overnight trips. Prereq: Biology 1750, organic chemistry, or permission of instructor. Graduate standing in biology.

4200 Plant Ecology (4)

Advanced study of plant ecology, taxonomic organization, and relationships with the environment and vegetation statistics. Emphasis on field techniques for data collection, evaluation and analysis. May require overnight field trips. Offered fall semester. Prereq: Biology 1750 or 3340. 3 credits for M.S. degree candidates. Prereq: Graduate standing and written permission of instructor. Graduate standing in biology. Biol. 3340/8345 recommended.

4210/8216 Microcomputers in Biology (2-4)

A detailed study of selected dynamic environmental factors and mechanisms of physiological adaptation by organisms of different taxa. Prereq: General physical, animal physiology, or permission of instructor.

4270/8276 Microbiology Laboratory (1)

A laboratory course emphasizing experimental techniques. May be taken for credit or for credit, up to a total of six credits for M.A. degree candidates, up to four credits for M.S. degree candidates. Prereq: Biology 3340/8345 and written permission of instructor. Graduate standing and permission of graduate faculty supervisor.

4270/8776 Genetic Identification (1)

A study of the current concepts in genetics with emphasis on the role of modern molecular techniques in ecology, evolution, and population genetics, and the application of genetics to research in plant and animal biology. Lecture and discussion of recent literature. Prereq: Biology 2140 and 3340/8345. 3 credits for M.S. degree candidates. Prereq: Graduate standing and written permission of instructor. Graduate standing in biology. Biol. 3340/8345 recommended.
The Master of Business Administration Degree

The MBA is a professional graduate degree designed to provide an intensive educational experience for students who desire to assume positions of increasing responsibility in business.

Courses in the program give the student an understanding of the principles of management, marketing, finance, and a proficiency in the responsibilities of business. Also, the student is made aware of the social, economic, legal and political factors which influence business decisions and develops an appreciation of the social responsibilities of business. The primary emphasis of the program is placed on decision making and problem solving.

Admission Standards

The minimum admission standards for students in the MBA program are:
- Junior-Senior GPA 2.00 + GMAT - 1070

The GMAT score must not be below 450 in computing the above total. There is no guarantee admission will be granted simply because the indicated points have been achieved.

Students are admitted on a provisional status until all foundation courses have been completed. GMAT scores must be received prior to the student's admission to the MBA program.

Degree Requirements

Foundation courses: A student must have completed basic courses in the following areas either as an undergraduate student or in the early part of the graduate program:

- **Economics**
  - BSAD 8180 or Micro- and Microeconomics at the undergraduate level
  - BSAD 8110 or 1 year of Principles of Accounting at the undergraduate level

- **Computers in Business**
  - DSCI 2120

- **Quantitative Methods and Statistics**
  - BSAD 8170 or an equivalent course in each at the undergraduate level

- **Production/Operations Management**
  - DSCI 3500

- **Business Law**
  - LAWS 3230

- **Corporation Finance**
  - BFIN 3250

- **Management Principles**
  - MGMT 3490

- **Marketing**
  - English Composition is a required foundation course for all foreign students admitted to the MBA Program. Foundation courses cannot be used to meet the 36 semester hours required for the MBA degree.

- Courses successfully completed (A, B, or C grades) in the student's undergraduate program are considered as sufficient preparation. Otherwise, the student must include the course deficiencies in the program of study.

- Students who, through experience or self-study, consider themselves proficient in any of these areas may complete a "Satisfaction by Examination" in lieu of coursework.

Students are advised to complete the foundation courses before enrolling in either core courses, option courses, or electives.

Graduate Courses: The degree requires a minimum of 36 semester hours for completion.

| Core Courses | 18 |
| Option courses | 12 |
| Electives | 6 |
| Total | 36 |

The six hours of electives must be in one or more areas different from the area of concentration and may be taken in an area outside the College of Business Administration, subject to advance approval by the Director of Graduate Studies.

A thesis is required in one option (Real Estate) and may be elected in others. No comprehensive examinations are required. Instead, the integrative course BSAD 8800 must be successfully completed with a grade of A or B in the student's last nine hours of the degree program.

### Core Courses

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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BSAD 8000 Quantitative Analysis</td>
<td>3 hours</td>
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<tr>
<td>BSAD 8110 Business and Society</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8100 Managerial Economics</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8000 Managerial Accounting (either ACC 8210 or ACC 8230, if applicable)</td>
<td>3 hours</td>
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<tr>
<td>BSAD 8310 Human Behavior in Organizations</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8500 Policy, Planning, and Strategy</td>
<td>3 hours</td>
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### Option Courses

#### Option #1 — Business Administration

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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BSAD 8300 Environment of Management</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8500 Managerial Policies</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8550 Financial Management</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8550 Business Conditions Analysis</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

#### Option #2 — Marketing

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD 8400 Marketing Policies</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8410 Promotional Policies</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8450 Seminar in Marketing</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

One of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD 8000 Research Methods in Economics and Business</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8030 Business Conditions Analysis</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

#### Option #3 — Decision Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD 8020 Research Methods in Economics and Business</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8025 Business Information Systems</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8940 Applied Quantitative Analysis</td>
<td>3 hours</td>
</tr>
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</table>

One of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD 8080 Business Forecasting</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8000 Economics</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8950 Independent Research (In Decision Science)</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

#### Option #4 — Real Estate

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD 8600 Real Estate and Land Use</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8310 Business Forecasting</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8610 Current Problems in Real Estate and Land Use Economics</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8990 Thesis</td>
<td>6 hours</td>
</tr>
</tbody>
</table>

#### Option #5 — Economics

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 8330 Natural Resource Economics</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8110 Theory of Public Finance</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8160 Seminar in Labor Economics</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8200 Seminar in Micro Theory</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8220 Seminar in Macro Theory</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8290 Research Methods</td>
<td>3 hours</td>
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<tr>
<td>ECON 8010 Econometrics</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8510 Business Forecasting</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8450 Seminar in Money and Banking</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8650 Seminar in International Economics</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECON 8850 Seminar in Urban Economics</td>
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#### Option #6 — Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BSAD 8300 The Environment of Management</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8350 Seminar in Management</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8320 Personnel Administration</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8300 Business Information Systems</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8050 Business Conditions Analysis</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8900 Marketing Policies</td>
<td>3 hours</td>
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</table>

#### Option #7 — Banking and Finance

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD 8600 Financial Management</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8510 Security Analysis</td>
<td>3 hours</td>
</tr>
<tr>
<td>BSAD 8620 Seminar in Investment Management</td>
<td>3 hours</td>
</tr>
</tbody>
</table>
110 Survey of Accounting (3) The uses of accounting for purposes of control and decisions by business, government, and not-for-profit organizations. Prereq: Econ 2100 and 2110. This course cannot be used on a plan of study. Prereq: This course is for the graduate student who has not previously taken Principles at the undergraduate level.

1100 Quantitative Analysis (3) The study of quantitative techniques and models and their application in business decision making. Prereq: BSAD 3120 and/or ECON 2110 or 2170.

1102 Business and Society (3) In this course, the student explores the diversity of societal, economic, and political systems and the impact of these systems on business organizations. Prereq: Econ 1010 and 1020.

1110 Financial Institutions (3) A study of the structure of the financial system and its role in the economy. Prereq: ECON 2110 or 2120.

1111 Business Law (3) An introduction to the law and the legal environment in which business operates. Prereq: Econ 1010 and 1020.

1112 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1120 Marketing Management (3) A study of the techniques and methods of marketing. Prereq: Econ 1010 and 1020.

1121 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1122 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.


1124 Business Policies and Procedures (3) A study of the policies and procedures used in business organizations. Prereq: Econ 1010 and 1020.

1125 Business Law (3) An introduction to the law and the legal environment in which business operates. Prereq: Econ 1010 and 1020.

1126 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1127 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1128 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1129 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1130 Financial Management (3) A study of the techniques and methods of financial management. Prereq: Econ 1010 and 1020.


1132 Business Law (3) An introduction to the law and the legal environment in which business operates. Prereq: Econ 1010 and 1020.

1133 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1134 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1135 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1136 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1137 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1138 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1139 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1140 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1141 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1142 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1143 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1144 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1145 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1146 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1147 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1148 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1149 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1150 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1151 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1152 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1153 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1154 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1155 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

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1158 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1159 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.

1160 Business Ethics (3) An introduction to the ethical issues that confront business organizations. Prereq: Econ 1010 and 1020.

1161 Business Forecasting (3) A study of the techniques and methods of forecasting. Prereq: Econ 1010 and 1020.

1162 Research Methods in Economics and Business (3) Advanced study of research methods in economics and business with emphasis on market structure, pricing, and policy-making. Prereq: Econ 1010 and 1020.
emphasis on current research and structured development methodologies. Techniques for analysing and modeling distributed and concurrent software products. Integration of design and design through aligned assessment and development projects. PreReq: BA 8000 and DS 2310.


8730 Decision Support Systems (3) Current applications and practices in decision support systems applied to the solution of a variety of business problems. The course includes concepts and principles of management information systems, information requirements for decision making, administration of decision support systems, statistical and mathematical modeling for decision support systems. Application of the techniques and methods described with emphasis on the Omaha and Lincoln campuses. Prereq: BA 8000 and DS 2310.

8740 Data Base Management (3) A study of Data Base Management Systems. Emphasis on the use and implementation of database management systems, database administration, data manipulation, data planning and application development. Prereq: DS 2310 and BA 8000.

8770 Seminar in Management Information Systems (3) Current issues, trends, and problems in information processing are critically examined. Topics vary. Prereq: senior standing in such fields as information management, database management, software technology, hardware technology and fourth generation languages. Prereq: BA 8000 and DS 2310.

CIVIL ENGINEERING

PROFESSORS: Berak, Hossack, Tadros
ASSOCIATE PROFESSORS: Gilliland, LeMar
ASSISTANT PROFESSORS: Kuefer, Tuan

Master of Science

This is a professional graduate degree designed to provide a broad educational background for students who wish to gain greater proficiency and assume positions of greater responsibility in the field of Civil Engineering.

Courses in the program give students a better understanding of the basic principles and methodology used in the design of engineering projects. Emphasis is placed on the use of computers, Decision Making, and Problem Solving.

The degree program is offered by the faculty of the merged departments of Civil Engineering at Omaha and Lincoln, and will be administered by the Graduate College, UN-L. Requirements for the Master’s Degree will be as stated in the Graduate Studies Bulletin, University of Nebraska-Lincoln. Upon recommendation by the Graduate College, UN-L, the Graduate Committee has general supervision over the major portion of the graduate courses to be taken. Normally the faculty advisor will also be a member of the Graduate Committee.

Graduate Committee. The Civil Engineering Department has a Graduate Committee of six faculty, selected from the Omaha and Lincoln campuses, appointed by the Department Chairperson and approved by the Graduate Dean, UN-L. The Graduate Committee has general supervision over the work of the candidates for the Master’s degree. The committee may prescribe such tests as it deems necessary in order to determine whether an applicant is adequately prepared. All current and prospective students are required to submit an application, and all application materials are received by the Graduate College, UN-L, the chairperson of the committee will subsequently make a recommendation, after consultation with the committee, on admission to the Graduate College.

Admission to Candidacy, Options for the Masters Degree Examinations, Consult current Graduate Studies Bulletin, University of Nebraska-Lincoln.

8800 Policy, Planning and Strategy (3) A comprehensive study of business problems, prospects and opportunities at varying levels of organizations. The student is responsible for demonstrating an understanding of the major issues and the approaches that are used. PreReq: taken within the last nine hours of MBA or Master of Professional Accounting Program.

9000 Independent Research (3) Individual research in the field of accounting, finance, management, quantitative analysis, or the environment of business. Maximum of nine hours of three different fields.

9110 Special Studies in Business (1-3). May be repeated up to 6. A special study, or studies, each designed to focus on current major issues and developments in a specific area of Business Administration, scheduled as a workshop or seminar according to purpose. Prereq: Graduate student standing and, as indicated for specific workshop or seminar. PreReq: permission of student advisor and two additional faculty members.

9900 Thesis (3) A research project, under the supervision of a faculty advisor, designed to meet the requirements of Business Administration, in which the student demonstrates knowledge of the chosen field. The completed project must be approved by the student’s faculty advisor and two additional faculty members. The thesis is written in a manner suitable for publication outside the program area. PreReq: Permission of graduate advisor.

46 DEGREE REQUIREMENTS

Graduate Work. Graduate work in Civil Engineering is governed by the general requirements of the Graduate College. Selection of the option and program is subject to the approval of the students’ advisory committee and the department of Graduate Committee.

A student applying for admission should designate the primary area in which he/she wishes to study. Major work for the Master of Science degree may be selected from the areas of structural, water resources, transportation, civil engineering, or from other related areas.

Other than those students whose records include at least the following: (1) Certification of a Bachelor’s degree from a regionally accredited institution; (2) Documentation of course(s) taken in the field of accounting, finance, management, or information science management, database management, software technology, hardware technology, and fourth generation languages.

The Communication Master’s Program has admission requirements and procedures in addition to those of the Graduate College. Admission to the Communication Department is subject to approval of the graduate faculty, and the student must contact the department chairperson regarding these admission requirements and procedures.

All additional admission may be granted to a student whose record includes at least the following:

(1) Certification of a Bachelor’s degree from a regionally accredited institution;
(2) Documentation of course(s) taken in the field of accounting, finance, management, or information science management, database management, software technology, hardware technology, and fourth generation languages.

47 CIVIL ENGINEERING

COMMUNICATION

PROFESSORS: Bauer, Birnbaum, Carter, Crowder, Frankle, Rentsch, Wallenstein
ASSOCIATE PROFESSORS: Carlson, Williamson
ASSISTANT PROFESSORS: Furr, Johansen, Prisbell, Sherrer

Master of Arts

The Communication Master’s Program has admission requirements and procedures in addition to those of the Graduate College. Admission to the Communication Department is subject to approval of the graduate faculty, and the student must contact the department chairperson regarding these admission requirements and procedures.

All additional admission may be granted to a student whose record includes at least the following:

(1) Certification of a Bachelor’s degree from a regionally accredited institution;
(2) Documentation of course(s) taken in the field of accounting, finance, management, or information science management, database management, software technology, hardware technology, and fourth generation languages.

In every case of provisional admission for any reason other than (1) lacking admission test (MAT) scores, or (2) waiver of the written or documented recommendation of a faculty advisor, the student must take a written comprehensive examination in the area of specialty. Contact the Department regarding these admission requirements and procedures.

If the student is provisionally admitted may be granted to a student whose record includes at least the following:

(2) Either either a 2.75 overall undergraduate grade point average in the undergraduate work or the completion of a thesis advisor or department of the graduate faculty, in addition to the following admission requirements:

(a) 60 undergraduate semester hours of appropriate courses in communication arts and science, including advanced (upper division) preparation in the area of Communication Studies.

(b) Either either the following:

(I) A 3.00 grade point average in the last half of the undergraduate credit hours;
(II) A 3.00 grade point average in the last 12 undergraduate semester hours of appropriate courses in communication arts and science, including at least an upper (division) preparation in the area of Communication Studies.

In every case of provisional admission for any reason other than (1) lacking admission test (MAT) scores, or (2) waiver of the written or documented recommendation of a faculty advisor, the student must take a written comprehensive examination in the area of specialty. Contact the Department regarding these admission requirements and procedures.

In every case of provisional admission for any reason other than (1) lacking admission test (MAT) scores, or (2) waiver of the written or documented recommendation of a faculty advisor, the student must take a written comprehensive examination in the area of specialty. Contact the Department regarding these admission requirements and procedures.

All students who are in Communication Arts and Science, excluding those who are at least the following:

(1) Completion of prescribed course(s) (not for graduate credit) with a grade of B or higher;

(2) Two written or documented official letters of recommendation from persons who are in a position to evaluate the student’s potential for graduate studies;

(3) Pass such test as the faculty members deem necessary in order to determine whether the student is adequately prepared for graduate study.

All students who major in Communication are required to complete the 12 semester hours of core courses prescribed by the Graduate Committee. These core courses provide a basic, intensive, and broad coverage of communication as a field of advanced study, including foundations of both mass media and interpersonal communication in concert with research and theory. The core courses are Communication 189, 289, and 489, and two additional communication research seminars in the Communication Department.

The student’s plan of study must be approved by the student’s committee and may include provisions for (a) thesis or non-thesis option. Every plan of study must be designed to meet the requirements of either thesis or non-thesis option:

Thesis option:

Successful completion of 24 semester hours of coursework, plus a thesis (6 credit hours) approved by the Graduate Committee and completed by the student, at least 18 of which must be in courses open only to graduate students. No more than 12 of the total hours taken toward the degree may be counted as transfer credit taken at another institution for the degree. In lieu of a thesis, an independent research or creative project, based on a proposal approved by the student’s committee, may be formulated in writing, video, or film; plus a written comprehensive examination covering the student’s major emphasis and minor or area studies.

Non-thesis option:

Successful completion of 36 semester hours of coursework, at least 18 hours of which must be in courses open only to graduate students. No more than 12 of the total hours taken toward the degree may be counted as transfer credit taken at another institution for the degree. In lieu of a thesis, an independent research or creative project, based on a proposal approved by the student’s committee, may be formulated in writing, video, or film; plus a written comprehensive examination covering the student’s major emphasis and minor or area studies.

COMMUNICATION
8016 History of Mass Communication (3) The American mass media from 17th century on to present, with emphasis on mass communication as communication between large numbers of people, the history of human communication, and the many attempts at censorship. The course examines the public policies and the effect of mass communication on the U.S., the relationship between the mass media and public opinion, and the development of the mass media. Prereq: SPCH 4910, 2.0 GPA, Eng 1160.

8056 Communication and Public Opinion (3) A study of the principles, problems and techniques of the public relations function through lectures, discussions and practical experience.

8206 Political Communication (3) A study of the principles, problems and techniques of the mass media as social institutions, particularly the mass media in the U.S., and America, with concentrated analysis of the role of mass media as social institutions, particularly in Western society, and in its regulatory history. Prereq: JOUR 2130 or instructor's permission.

8236 Seminar in Mass Communication (3) A seminar designed for students preparing to take the major, a minor, or graduate study in mass communication. Each offering will treat a single aspect of organizational communication in depth - e.g., small group communication, health systems communication, organizational communication in the mass media. Prereq: SPCH 1010 or 1110 and 3 hours of psychology or sociology, or permission of instructor.

8316 Political Broadcasting (3) A study of the principles, problems and techniques of the mass media as social institutions, particularly in Western society, and in its regulatory history. Prereq: JOUR 2130 or instructor's permission.

8356 Issues in Broadcasting (3) A study of the major trends in film criticism and theory in Europe, India, Africa, South America, and America, with concentrated analysis of the role of the mass media as social institutions, particularly in Western society, and in its regulatory history. Prereq: JOUR 2130 or instructor's permission.

8500 Seminar in Communication Theory (3) Analytical approaches to the study of communication, with emphasis on theoretical models, and their application to various professional interests. Prereq: Communication 8470 or the instructor's permission.

8570 Foundations Seminar: Mass Communication (3) This seminar was designed for students preparing to take the major, a minor, or advanced seminars in Communication. The mass communication system in the United States will be examined in terms of its basic philosophical and legal assumptions and the cultural, historical, political, economic, psychological, and sociological and psychological theories relating to the process and effects of mass communication. Prereq: SPCH 4910 or 2.0 GPA, or permission of instructor. (Same as Psyc 8570.)

8900 Independent Research or Creative Projects (1-6) Non-thesis projects for majors in Communication supplementing advanced graduate courses. Prereq: Admitted to candidacy (or application pending); written project approved by the student's committee. (Same as Psyc 8900.)

8990 Thesis (1-6) Independent research and study undertaken under the supervision of an advisor.

DEGREE REQUIREMENTS

COMMUNICATION

COUNSELING AND SPECIAL EDUCATION

PROFESSORS: Armfield, Blake, Butler, J. W. Hill, Oxton, Pihlström, J. M. Wood
ASSOCIATE PROFESSORS: Akers, Benettin, Callahan, Harrington, Michael, Squires
ASSISTANT PROFESSORS: Christensen, Gilreath, Lorsbach

Programs in Counseling and Special Education are offered by the Counseling and Special Education Department. Admissions examinations for programs in this department are identified in the General Information section of this catalog.

Counseling and Guidance Programs

Students may begin a program of studies in Counseling and Guidance at any one of three starting points during the course of the year. Once a program is begun, students are expected to pursue the program to completion within the minimum number of required hours. Full-time studies is encouraged, however, provision is made for those unable to devote more than part-time to their program. All students are required to follow a sequence of courses and to constitute either full or part-time, and must consult their advisor to determine this sequence. Failure to do so could result in a delayed completion date.

Students obtain a master's degree in Counseling and Guidance with an area of specialization. Current specialization areas are (1) Elementary and Secondary School Counseling, (2) School Counseling, (3) Counseling in Community Agencies, and (4) Counseling in Community Agencies. Required courses are determined in relation to the student's previous coursework, experience and anticipated work setting. Most programs however would fit within one of the general outlines given below.

Students are admitted and permitted to continue programs in Counseling and Guidance on the basis of their potential for training and professional growth.

Major points where students are evaluated with respect to their suitability for continuation in the program are:

1) Prior to taking the Counseling Practicum or Internship courses. Successful completion of a Counseling Practicum or Internship is a requirement for graduation.

2) Prior to taking the Counseling Practicum or Internship courses. Successful completion of a Counseling Practicum or Internship is a requirement for graduation.

3) Prior to taking the Counseling Practicum or Internship courses. Successful completion of a Counseling Practicum or Internship is a requirement for graduation.

4) Prior to taking the Counseling Practicum or Internship courses. Successful completion of a Counseling Practicum or Internship is a requirement for graduation.
The Counseling and Guidance Program has admissions requirements and procedures in addition to those applicable to Graduate Studies as a whole, and prospective students are strongly encouraged to contact the Department regarding these admissions requirements and procedures. One such exception is the last date for completing all requirements for admission to the Department of Counseling and Guidance. April 30 for Spring Semester and November 30 for the Fall Semester. Students are admitted to the programs in Counseling and Guidance twice each year.

Non-counseling degree students may obtain an elective option in Affilite Humanization Processes. The consists of a 10-hour block of courses which must be authorized by The Graduate Program Committee and the student's advisor for this to be officially included as part of the student's degree program.

**Degrees and Specializations**

The M.A. degree includes a thesis in lieu of a written comprehensive examination. Students who anticipate work on a doctorate are particularly encouraged to consider the M.A. degree.

### Master of Arts

Programs for the Master of Arts degree with a major in counseling and guidance will be determined upon request. The M.A. degree includes a thesis in lieu of a written comprehensive examination. Students who anticipate work on a doctorate are particularly encouraged to consider the M.A. degree.

#### Master of Science

**Specialization in Agency Counseling**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 8240</td>
<td>Counseling Practices</td>
<td>3</td>
</tr>
<tr>
<td>COUN 8270</td>
<td>Counseling Theories</td>
<td>3</td>
</tr>
<tr>
<td>COUN 8310</td>
<td>Counseling Techniques I</td>
<td>1</td>
</tr>
<tr>
<td>COUN 8370</td>
<td>Counseling Techniques II</td>
<td>1</td>
</tr>
<tr>
<td>COUN 8280</td>
<td>Counseling Organizational Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 8285</td>
<td>Counseling Appraisal Techniques</td>
<td>3</td>
</tr>
<tr>
<td>COUN 8290</td>
<td>Counseling Advanced Practicum</td>
<td>3</td>
</tr>
<tr>
<td>COUN 8300</td>
<td>Counseling Community Involvement for Urban Counselors</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

- 5-6 hours

These courses are selected in consultation with advisor and in accordance with the student's particular background and interests. Usual Total Hours: 41-44 hours

### Master of Science Specialization in Secondary Counseling

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TED 8010</td>
<td>Introduction to Research</td>
<td>3</td>
</tr>
<tr>
<td>COUN 8200</td>
<td>Principles of Guidance</td>
<td>3</td>
</tr>
<tr>
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</table>

**Electives**

- 5-6 hours

These courses are selected in consultation with advisor and in accordance with the student's particular background and interests. Usual Total Hours: 41-44 hours

### Master of Science Specialization in Elementary Counseling

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<tr>
<th>Course Code</th>
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**Electives**

- 5-6 hours

All electives must be pertinent to specialization. Usual Total Hours: 41-44 hours

### Master of Science Specialization in Counseling and Special Education

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**Electives**

- 5-6 hours

All electives must be pertinent to specialization. Usual Total Hours: 41-44 hours

### Master of Science Specialization in Gerontology

The Counseling Degree Program, with Specialization in Gerontology, is a cooperative effort of the Counseling and Special Education Department and the Gerontology Program. The UNO Gerontology Program offers courses leading to a Certificate in Gerontology. Students wishing to earn a degree in Counseling with Specialization in Gerontology must be admitted to the Gerontology Certificate Program as well as the Counseling Program. Certificates of Specialization in Gerontology are issued by the University to those completing the Certificate Program upon the recommendation of the Gerontology Program.

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**Electives**

- 9 hours

These courses are in accordance with the student's particular area of interest. Usual Total Hours: 35-44 hours

### Master of Science Counseling with Specialization in Gerontology

The Counseling Degree Program, with Specialization in Gerontology, is a cooperative effort of the Counseling and Special Education Department and the Gerontology Program. The UNO Gerontology Program offers courses leading to a Certificate in Gerontology. Students wishing to earn a degree in Counseling with Specialization in Gerontology must be admitted to the Gerontology Certificate Program as well as the Counseling Program. Certificates of Specialization in Gerontology are issued by the University to those completing the Certificate Program upon the recommendation of the Gerontology Program.

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**Electives**

- 9 hours

These courses are in accordance with the student's particular area of interest. Usual Total Hours: 35-44 hours

### Master of Science Counseling with Specialization in Elementary Counseling

The Counseling Degree Program, with Specialization in Elementary Counseling, is a cooperative effort of the Counseling and Special Education Department and the Gerontology Program. The UNO Gerontology Program offers courses leading to a Certificate in Gerontology. Students wishing to earn a degree in Counseling with Specialization in Elementary Counseling must be admitted to the Gerontology Certificate Program as well as the Counseling Program. Certificates of Specialization in Gerontology are issued by the University to those completing the Certificate Program upon the recommendation of the Gerontology Program.

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**Electives**

- 9 hours

These courses are in accordance with the student's particular area of interest. Usual Total Hours: 35-44 hours

### Master of Science Counseling with Specialization in Primary and Early Childhood Education

The Counseling Degree Program, with Specialization in Primary and Early Childhood Education, is a cooperative effort of the Counseling and Special Education Department and the Gerontology Program. The UNO Gerontology Program offers courses leading to a Certificate in Gerontology. Students wishing to earn a degree in Counseling with Specialization in Primary and Early Childhood Education must be admitted to the Gerontology Certificate Program as well as the Counseling Program. Certificates of Specialization in Gerontology are issued by the University to those completing the Certificate Program upon the recommendation of the Gerontology Program.

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**Electives**

- 9 hours

These courses are in accordance with the student's particular area of interest. Usual Total Hours: 35-44 hours
Special Education Programs

Master of Arts: Speech Pathology

The Master of Arts degree in speech pathology is designed to prepare students for professional practice in speech pathology. The program involves the following requirements:

I. Admission

1. Attention to the University of Nebraska at Omaha Graduate College. The Miller Analogies Test (MAT) must be taken and scores submitted to the Special Education Department. The MAT must be taken before applications are evaluated and processed to the Graduate College. A raw score of 35 on the MAT is required for initial entrance into the program.

2. Two letters of recommendation from people who know your undergraduate work well must be submitted to the department before the application shall be processed.

3. Pass an examination to determine adequate personal voice and speech proficiency and adequate hearing acuity for speech. (Administered at the Speech and Hearing Clinic of the University.)

4. Have successfully completed a minimum of thirty-nine semester hours of work preparatory to the matriculation. Students must present a thesis representing six semester hours of satisfactory work in the field. The thesis shall be presented to the department before the application shall be processed.

5. For those students who wish to work toward the special certification in the schools, advise consultation should be sought early since additional coursework is required (additional coursework). This consists of courses in elementary and secondary teaching, a special education course in another field. A Nebraska pre-standard certificate and a CED provision will be recommended upon satisfactory completion of the program.

6. Thirty-six semester hours of coursework and practicum. These hours must be taken from the following:

   - Required Courses:
     - SPED 8206, History, Education and Guidance in Hearing Impairment
     - SPED 8256, Teaching Speech to the Hearing Impaired
     - SPED 8258, Language Development of Children
     - SPED 8259, Language Disorders in Childhood
     - SPED 8376, Basic Audiology
     - SPED 8379, Speech Science I: Auditory and Speech Mechanism
     - SPED 8389, Hearing Science
     - SPED 8480, Advanced Audiology
     - SPED 8510, Advanced Clinical Practicum in Speech Pathology (Schools)
     - SPED 8511, Advanced Clinical Practicum in Speech Pathology (Extension)
     - SPED 8520, Seminar in Speech Pathology
     - SPED 8990, Thesis

   - Elective Courses:
     - Students may choose any of the courses in the area numbered 8000 or above, contingent upon advisor approval.

II. Elective Courses in Related Areas:

   - Students must complete all certification requirements in addition to the curriculum as well as the thesis.

Master of Science: Speech Pathology

The Master of Science degree in speech pathology involves the following requirements:

I. Admission

1. Attention to the University of Nebraska at Omaha Graduate College. The Miller Analogies Test (MAT) must be taken and scores submitted to the Special Education Department. The MAT must be taken before applications are evaluated and processed to the Graduate College. A raw score of 35 on the MAT is required for initial entrance into the program.

2. Two letters of recommendation from people who know your undergraduate work well must be submitted to the department before the application shall be processed.

3. Pass an examination to determine adequate personal voice and speech proficiency and adequate hearing acuity for speech. (Administered at the Speech and Hearing Clinic of the University.)

4. Have successfully completed a minimum of thirty-nine semester hours of work preparatory to admittance to the major. These hours are to include the following courses or their equivalents:

   - SPED 4330, Speech Reading and Auditory Training
   - SPED 4370, Hearing Disorders
   - SPED 4380, Speech Science I: Speech Mechanisms
   - SPED 4390, Hearing Science
   - SPED 4420, Language Development in Children
   - SPED 4430, Speech Pathology I: Childhood Language and Articulation
   - SPED 4440, Speech Pathology II: Rhythm and Symbolization
   - SPED 4500, Speech Science II: Experimental and Applied Phonetics
   - SPED 4510, Basic Clinical Practicum in Speech Pathology
   - SPED 4750, Childhood Language Disorders
   - PSY 2130, Statistics

2. For those students who wish to work toward the special certification in the schools, advise consultation should be sought early since additional coursework is required (additional coursework). This consists of courses in elementary and secondary teaching, a special education course in another field. A Nebraska pre-standard certificate and a CED provision will be recommended upon satisfactory completion of the program.

3. Thirty-six semester hours of coursework and practicum. These hours must be taken from the following:

   - Required Courses:
     - SPED 8206, History, Education and Guidance in Hearing Impairment
     - SPED 8256, Teaching Speech to the Hearing Impaired
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     - SPED 8511, Advanced Clinical Practicum in Speech Pathology (Extension)
     - SPED 8520, Seminar in Speech Pathology
     - SPED 8990, Thesis

   - Elective Courses:
     - Students may choose any of the courses in the area numbered 8000 or above.
     - Students must complete all certification requirements in addition to the curriculum as well as the thesis.


### Admittance and Retention Requirements

To be admitted and retained in the program, the student must:

1. be admitted to the University of Nebraska Graduate College,
2. take the Miller Analogies Test within the first nine hours of coursework,
3. maintain at least a “B” in each course of the first twelve hours of coursework.

### Course Requirements

Students may complete the following coursework:

- **SPED 8100** Introduction to Research 
- **SPED 8110** Psychology of Exceptional Children
- **SPED 8120** Introduction to Mental Retardation
- **SPED 8990** Thesis

The remaining courses will be selected in consultation with the advisor. Students may take all of their coursework in mental retardation and related courses or take up to 15 hours in mental retardation and up to 6 hours in a minor area of interest.

### Master of Science: Teaching the Emotionally Retarded

The Master of Science Degree with a major in Mental Retardation provides opportunities for students who wish to develop and expand their competencies in teaching mentally retarded children and youth. Upon successful completion of the Master of Science degree, the student will be recommended for the State of Nebraska certification in mildly/ moderately handicapped or severely/profoundly handicapped education. These certification programs are for kindergarten through high school and preschool through high school levels, respectively. Students will sit for comprehensive examinations after completing coursework, excluding elective coursework and student teaching. The Master of Science degree in Mental Retardation is a minimum of 36 credit hours.

### Admittance and Retention Requirements

To be admitted and retained in the program the student must:

1. be admitted to the University of Nebraska Graduate College,
2. take the Miller Analogies Test within the first nine hours of coursework,
3. maintain at least a “B” in each course of the first twelve hours of coursework, and
4. hold a Bachelor's degree with a valid teaching certificate or complete the necessary deficiencies.

### Course Requirements

- **SPED 8110** Introduction to Research
- **SPED 8140** Language Development and Disorders for Teachers
- **SPED 8236** Language Development and Disorders for Teachers
- **SPED 8546** Methods in Special Education
- **SPED 8610** Psychology of Exceptional Children
- **SPED 8620** Introduction to Mental Retardation
- **SPED 8646** Methods and Materials in Special Education
- **SPED 8670** Methods of Instruction for the Severely/Profoundly Handicapped
- **SPED 8650** Career Development for the Handicapped
- **SPED 8660** Developing Vocational Training Programs for the Severely Handicapped
- **SPED 8716** Interactions Between Professionals and Parents of the Handicapped
- **SPED 8805** Emotional Development of Children and Youth
- **SPED 8816** Classroom Techniques for Behavior Control
- **SPED 8820** Educational Strategies for Emotionally Disturbed Children and Adolescents
- **SPED 8830** Practicum in Teaching the Emotionally Retarded
- **SPED 8840** Advanced Practicum in Teaching the Emotionally Retarded
- **SPED 8850** Introduction to Learning Disabilities
- **SPED 8890** Thesis (thesis option only)

### Master of Science: Resource Teaching and Learning Disabilities

Resource teaching and learning disabilities is a specialized program designed to prepare the graduate student to identify, diagnose, and teach children who have specific learning disabilities within a comprehensive curriculum. The student should enter the program with a background in learning theory, child development, and curriculum development. The student will also complete a comprehensive examination. Upon successful completion of the program and the two years of successful teaching experience students will be recommended for the Resource Teaching and Learning Disabilities endorsement. The student must be employed in grades preschool through high school level or be assigned teaching responsibilities to meet the State of Nebraska certification requirements. Those students choosing the “Thesis” option will complete a written comprehensive examination. Those students choosing the “Thesis” option will be required to answer questions about coursework completed in the master's program during their thesis defense.

### Admittance and Retention Requirements

To be admitted and retained in the program the student must:

1. be admitted to the University of Nebraska Graduate College,
2. take the Miller Analogies Test within the first nine hours of coursework.
3. hold a bachelor's degree with a valid teaching license from a state education agency or complete the deficiencies necessary to meet certification.
4. meet with the advisor for an interview before the first semester of coursework.
5. complete the successful completion of courses that are related to child development - 3 hours, learning theory - 3 hours, and student teaching methods courses - 3 hours and student teaching (or equivalent) - 3 hours, and
6. maintain at least a “B” in each of the first twelve hours of coursework.

Course Requirements

The following requirements are:

**SPED 8010 Introduction of Research**

**PSY 8586 Psychology of Exceptional Children**

**SPED 8650 Career Development for the Handicapped**

**SPED 8690 Emotional Development of Children and Youth**

**SPED 8815 Classroom Techniques for Behavior Control**

**SPED 8900 Learning Disabilities**

**SPED 8930 School Practicum in Resource Teacher/ Learning Disabilities**

**SPED 8960 Advanced Diagnosis of Learning Disabilities (Pre-requisite SPED 890)**

**SPED 8970 Clinical Teaching in Learning Disabilities**

**SPED**

**SPED 8990 Thesis (thesis option only)**

**Elective** (non-thesis option only)

**Counseling and Guidance**

4070/8076 Crisis Intervention and Suicide

3.5 hours a program of teaching and guidance in order to develop basic counseling skills for application in gerontology.

3.5 hours Special Studies in Counseling and Guidance (4 - 15 hours) The student is scheduled to complete a minimum of three credits during the counseling internship.

4.5 hours Teaching Models in Affective Education (3) A study of models of teaching in the affective domain of knowledge. With the use of models, students will be able to develop and implement practical strategies in the classroom situation.

3.5 hours Counseling with Parents (3) Designed to provide basic information to counselors for work with other adults. For Counseling and Guidance Majors. Prerequisite: PSY 8020, Principles of Guidance.

3.5 hours Vocational Counseling and Guidance (3) A study of principles and techniques of vocational counseling and guidance. Prerequisite: COUN 8200, Counseling Practicum. or COUN 8250, Counseling Theory.

3.5 hours Introduction to Counseling (3) An overview of the characteristics of college students and their interaction with campus environmental influences. The impact of student personal characteristics is considered and their effect on personal development. Prerequisite: PSY 8020 and concurrent enrollment in COUN 8200, COUN 8300.

3.5 hours Research Project in Counseling and Guidance (1-3) Individual or group study and analysis of specific problems and the field. Prerequisite: Permission of instructor.

3.5 hours Counseling With Parents (3) A course emphasizing techniques used in working with families. Prerequisite: PSY 8020 or COUN 8300 or permission of instructor.

3.5 hours The Student and Student Personnel Work in Higher Education (2) An overview of the characteristics of college students and their interaction with campus environmental influences. Prerequisite: PSY 8020 or COUN 8300 and concurrent enrollment in COUN 8200, COUN 8300.

3.5 hours Elementary School Counseling Practicum (4) Counseling in the elementary setting under the supervision of a counseling professor of the university. Prerequisite: COUN 8200 and permission of department.

3.5 hours Elementary Counseling Internship (6) Field experience in an elementary school setting under the supervision of a counselor and an experienced counselor. Prerequisite: COUN 8200 and concurrent enrollment in COUN 8200, COUN 8300.

3.5 hours Career Counseling and Guidance (2) An overview of the characteristics of college students and their interaction with campus environmental influences. Prerequisite: PSY 8020 and concurrent enrollment in COUN 8200, COUN 8300.

3.5 hours Organization and Administration of Guidance Service in Secondary Schools (3) Study of organizational patterns and administrative practices in guidance and counseling programs. Prerequisite: COUN 8200, Principles of Guidance.

3.5 hours Counseling Practicum (3) Supervised experimental training in counseling. Prerequisite: Twenty hours of practical training including COUN 8300 and COUN 8200.

4800/8806 Counseling Skills in Gerontology (3) Designed to help students develop basic counseling skills for application in gerontology.

4800/8806 Special Studies in Counseling and Guidance (4 - 15 hours) The student is scheduled to complete a minimum of three credits during the counseling internship.

56 DEGREE REQUIREMENTS 57

# COUNSELING AND SPECIAL EDUCATION

**SPED 8010 Introduction of Research**

**PSY 8586 Psychology of Exceptional Children**

**SPED 8650 Career Development for the Handicapped**

**SPED 8690 Emotional Development of Children and Youth**

**SPED 8815 Classroom Techniques for Behavior Control**

**SPED 8900 Learning Disabilities**

**SPED 8930 School Practicum in Resource Teacher/ Learning Disabilities**

**SPED 8960 Advanced Diagnosis of Learning Disabilities (Pre-requisite SPED 890)**

**SPED 8970 Clinical Teaching in Learning Disabilities**

**SPED**

**SPED 8990 Thesis (thesis option only)**

**Elective** (non-thesis option only)

**Counseling and Guidance**

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3.5 hours The Student and Student Personnel Work in Higher Education (2) An overview of the characteristics of college students and their interaction with campus environmental influences. Prerequisite: PSY 8020 or COUN 8300 and concurrent enrollment in COUN 8200, COUN 8300.

3.5 hours Elementary School Counseling Practicum (4) Counseling in the elementary setting under the supervision of a counseling professor of the university. Prerequisite: COUN 8200 and permission of department.

3.5 hours Elementary Counseling Internship (6) Field experience in an elementary school setting under the supervision of a counselor and an experienced counselor. Prerequisite: COUN 8200 and concurrent enrollment in COUN 8200, COUN 8300.

3.5 hours Career Counseling and Guidance (2) An overview of the characteristics of college students and their interaction with campus environmental influences. Prerequisite: PSY 8020 and concurrent enrollment in COUN 8200, COUN 8300.

3.5 hours Organization and Administration of Guidance Service in Secondary Schools (3) Study of organizational patterns and administrative practices in guidance and counseling programs. Prerequisite: COUN 8200, Principles of Guidance.

3.5 hours Counseling Practicum (3) Supervised experimental training in counseling. Prerequisite: Twenty hours of practical training including COUN 8300 and COUN 8200.

4800/8806 Counseling Skills in Gerontology (3) Designed to help students develop basic counseling skills for application in gerontology.

4800/8806 Special Studies in Counseling and Guidance (4 - 15 hours) The student is scheduled to complete a minimum of three credits during the counseling internship.

56 DEGREE REQUIREMENTS 57

# COUNSELING AND SPECIAL EDUCATION

**SPED 8010 Introduction of Research**

**PSY 8586 Psychology of Exceptional Children**

**SPED 8650 Career Development for the Handicapped**

**SPED 8690 Emotional Development of Children and Youth**

**SPED 8815 Classroom Techniques for Behavior Control**

**SPED 8900 Learning Disabilities**

**SPED 8930 School Practicum in Resource Teacher/ Learning Disabilities**

**SPED 8960 Advanced Diagnosis of Learning Disabilities (Pre-requisite SPED 890)**

**SPED 8970 Clinical Teaching in Learning Disabilities**

**SPED**

**SPED 8990 Thesis (thesis option only)**

**Elective** (non-thesis option only)
A study of exceptional children and adolescents or Speech Pathology acquaint them with the wide array of services available. Prereq: Determined by the instructor.

58 DEGREE REQUIREMENTS

580 Parent Education (3) A study of several current Parent Education programs. The students develop parenting skills by becoming involved as staff members. Students learn how to conduct Parent Education programs by serving as Paraprofessionals. Prereq: COUN 3000, 3200, COUN 3500 or permission of the instructor.

590 Thesis (1-6) Independent research project under the supervision of an adviser. Prereq: Permission.

5900 Directed Readings in Counseling and Guidance (1-6) Study of recent research in counseling and guidance with emphasis on counseling with older people. Prereq: COUN 4120, 4220, 4520 or permission of the Instructor. (F,S,Su)

6000 Introduction to Marital and Family Therapy (3) This course is designed to acquaint students in the Human Services field with basic marital and family therapy concepts, principles, and procedures. Prereq: COUN 8200.

6100 Aural Rehabilitation (3) The principles, methods, and techniques used to train deaf persons in living with hearing loss. Prereq: equivalent, and permission of instructor.

6220/8226 Teaching Speech to Hearing-Impaired Students (2) An investigation of the speech of the hearing impaired child. Techniques and measurement. Prereq: COUN 3212 or permission of instructor.

6230/8236 Language Development and Disorders for Teachers (3) An investigation of the nature and structure of language, acquisition of language and childhood disorders. This course is designed for undergraduate/graduate students interested in teaching language, and for special education and special education teachers. Prereq: None.

6240/8246 Bilingual/Bimodal Language Development and Curriculum (3) This course will include an overview of monolingual, bilingual and bimodal language development, language disorders, assessment and/or system learning, curriculum, and assessment. Prereq: COUN 3100, PSY 2100, or permission of instructor.

6270/8276 Introduction to Mental Retardation (2) This course provides an overview of mental retardation and intellectual disabilities in the population. Prereq: COUN 3212 or permission of Instructor.

6350/8356 Teaching Content Subjects to the Severely Handicapped (3) Consideration of problems in education of the hearing impaired: approaches to school subjects considered in detail. Prereq: SPED 3100, 3200, 3300. Co-requisite: COUN 4800. Prereq: For 4370, SPED 4390, 2.5 GPA; for 8376, SPED 8390, 2.0 GPA.

6380/8386 Speech Science I: Speech Mechanisms (3) This course is an introduction to speech production with emphasis on the physics and physiology of the human communicative process. Prereq: SPED 4800, 2.5 GPA.

6420/8426 Rhythm/Symbolization I (3) Study of the nature and structure of rhythm, including rhythm and language symbolization disorders; assessment of rhythm and phonetic elements in major American English dialects. Prereq: SPED 4800, 2.5 GPA; for 8426, junior standing.

6440/8446 Rhythm/Symbolization II (3) Study of the nature and structure of rhythm, including rhythm and language symbolization disorders; assessment of rhythm and phonetic elements in major American English dialects. Prereq: SPED 4800, 2.5 GPA.


6470/8476 Career Development for the Severely Handicapped (3) An introduction to career development of handicapped individual. Includes information for students in professional training programs for seriously handicapped youth and adults, and to compare various curriculum models for serving seriously handicapped youth and adults. Prereq: None.

6600/8606 Developing Vocational Training Programs for the Severely Handicapped (3) This course is designed to familiarize the student with the current approaches to school subject considered in detail. Prereq: 4800, student standing in special education, PSY 1010 or PSY 3510, CORE 2100, 2500, 2800 or equivalent, and permission of instructor.

6700 Directing a School Counseling Program (3) This course is designed to prepare student for management and family counseling theory and techniques. Prereq: COUN 8200.

6720/8726 Teaching Speech to Hearing-Impaired Students (2) An investigation of the speech of the hearing impaired child. Techniques and measurement. Prereq: COUN 3212 or permission of instructor.

7100/7106 Interactions Between Professionals and the Handicapped Child (3) This course includes interviewing parents of handicapped children, understanding the educational goals of the handicapped child, and understanding the role of the child in the family. Prereq: COUN 3212 or permission of instructor.

7130/7430 Multicultural counseling theory and techniques under supervision of the instructor.

7150/7456 Basic Clinical Practicum in Speech Pathology (1-3) This course provides the student with supervised practice in speech and hearing clinic; speech and hearing evaluation of children and adults; lesson plans, records, and a weekly colloquium. Prereq: For 4510, Special Education 4430 or Special Education 4440. For 8516, graduate standing and permission of the instructor. (F, S, Su)

7200/7500 Career Planning for Speech Pathologists (3) This course is designed to provide information on informal language acquisition among
exceptional children, and the various methodological and theoretical issues facing teachers of exceptional children. PreReq: Special Education 420.

4800/8806 Emotional Development of Children and Youth (3) The study of psychological, biological, and environmental factors that influence social and emotional development of children and adolescents. Emphasis is placed on qualitative emotionality of children. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

4810/8816 Classroom Techniques for Behavior Control (3) This course will introduce the student to techniques for managing behavior in the classroom. Three major areas will be covered: Classroom techniques within the classroom, techniques for modifying behavior, and the use of techniques in the classroom. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8000 Special Projects (1-3) Optional independent study on topics not covered in other courses. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8380 Practicum In Teaching Emotionally Disturbed (3) The first semester of participation in an approved Emotionally Disturbed classroom. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8440 Advanced Practicum In Teaching Emotionally Disturbed (3) The second semester of participation in an approved Emotionally Disturbed classroom. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8500 Basic Clinical Practicum in Speech Pathology and Audiology (3) A clinic-oriented course for advanced graduate students which provides on-the-job experience with supervision and training in the use of proffered reparative techniques. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8510 Clinical Practice in Reading (3) A laboratory-oriented course for advanced graduate students in reading which focuses on diagnostic techniques for identification of problem readers, supervision, and training in the use of proven remedial reading techniques including the use of reading process monitors. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8610 Teaching Severely/Profoundly Handicapped Children (3) This course is designed for students who need more than one semester to complete the course. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8620 Advanced Studies In the Disorders of Speech and Language (3) This course will include overviews of typical symptoms and causes of voice disorders, types and causes of voice disorders, and speech abnormalities. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8630 Curricular Development in the Disabled (3) This is a modular course on how students study the terminology of curriculum development, its goals and methods, the organization of the curriculum, the process of curriculum development, and the role of personnel (PT, OT, Speech Path) working with students with severe, profound or multiple handicaps in school settings. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8650 Advanced Clinical Practicum in Speech Pathology and Audiology (3) A clinic-oriented course for advanced graduate students which provides diagnostic techniques for identification of problem students, identification of problem students, and the use of diagnostic techniques for evaluating the difficult-to-test. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.

8680 Sensory Disabilities and Physical Handicaps in the Multiply Handicapped Child (3) This course will include written and oral presentation of cases, and audit of current literature and practical implications of sensory disabilities on education and language problems in the child with multiple handicaps. PreReq: Consent of instructor. PreReq: Consent of instructor. PreReq: Consent of instructor.
be stressed. Prereq: SPED 8600 or equivalent or permission of Instructor.

8700 Seminar in Special Education (3) Gradu­
course for professional workers who provide
services for exceptional persons. Each seminar will
be conducted around a theme concerned with cur­
rent professional practice. Participants will each
prepare a project which includes practical re­
search, a written paper, and presentation to the
class. Lecture by the instructor and guests will
be related to the seminar theme. Prereq: Graduate
Standing in a field of Social Science.

8720 Basic Student Teaching (3) Classroom
experience with exceptional children for graduate
students who had made other professional expe­
riences. Students will participate in observation,
participation, teaching, and a weekly seminar.
(F,S,Su)

8730 Advanced Student Teaching (3) A sec­
nond semester of classroom experience with ex­
cceptional children for graduate students who had
made other professional experiences. Students will
participate in observation, participation, teaching,
and a weekly seminar. (F,S,Su) Prereq: SPED 8720.

8820 Educational Strategies for Emotion­
ally Disturbed Children Adolescents (3) This
course deals with the professional teacher who is
learning and teaching emotionally dis­
turbed children and adolescents. The course will
examine the causes and characteristics of a variety
of maladaptive behaviors with a view toward iden­
tifying the child’s needs and designing the stress of
educationally therapeutic response systems.
Prereq: SPED 8406, 8816, 8817.

8870 Diagnostic and Remediation Tech­
niques in Early Childhood Education for The
educational team. This course is designed for special
educators used at the Medical Center presenting
several of their techniques for assessing the de­
velopmentally disabled child and also presenting
methods that can be utilized in intervention with
developmentally disabled child. (5) Prereq: 8800.

8990 Administration and Supervision of Special
Education (3) Problems of organization,
administration, and supervision of special educa­
tional programs. Procedures, federal involve­
ment, legislation, litigation, due process, inter­
educational units, accountability and physical fa­
lities will also be presented. Prereq: Graduate
Standing.

CRIMINAL JUSTICE

PROFESSORS: Siegel, Walker

Degree Programs
The Criminal Justice Department offers the student a choice of either a Master of Science or a Master of Arts Degree in Criminal Justice. Both degree programs emphasize criminal justice research, theory, planning and administration.

Admission Requirements for the Criminal Justice Graduate Program
All candidates must have a minimum of 18 semester hours of Criminal Justice or related courses under regular undergraduate curriculum. In addition, all candidates must have completed:
- a basic statistics course
- a research methods course
- and a minimum of 15 hours in the Social Science

Required Core Courses
- 8600 Professions in Criminal Justice
- 8700 The Nature of Crime
- 8710 Seminar in Administration of Justice
- 8800 Criminal Justice Research Theory and Methodology

Elective Criminal Justice Courses
- Select five (5) courses with advisor approval
- 8910 Seminar in Police and Society
- 8920 Seminar in Corrections
- 8930 Seminar in the Criminal Court System
- 8940 Seminar in Criminal Law and Procedure
- 8950 Seminar in Educational Psychology
- 8960 Seminar in Theoretical Criminology
- 8970 Criminal Justice Organization, Administration, and Management
- 8980 Criminal Justice Planning and Change
- 8990 Independent Study
- 9000 Special Problems in Criminal Justice
- 9010 Correctional Law
- 9020 Community Based Corrections
- 9030 Completion and Successful Defense of Thesis

Area of the undergraduate level. Those students lacking these requirements will be required to make up these deficiencies during the first year of graduate work.

Master of Arts
The Master of Arts degree is a 30 credit-hour program designed to emphasize research activity and independent inquiry, while simultaneously providing fundamental coursework. This degree is especially recommended for the student desiring an interim degree prior to obtaining the Ph.D.

To earn the Master of Arts degree in Criminal Justice, the student must satisfactorily complete the following course requirements:

Required Core Courses
- 8600 Professions in Criminal Justice
- 8710 The Nature of Crime
- 8720 Seminar in Administration of Justice
- 8800 Criminal Justice Research Theory and Methodology

Elective Criminal Justice Courses
- Select five (5) courses with advisor approval
- 8910 Seminar in Police and Society
- 8920 Seminar in Corrections
- 8930 Seminar in the Criminal Court System
- 8940 Seminar in Criminal Law and Procedure
- 8950 Seminar in Educational Psychology
- 8960 Seminar in Theoretical Criminology
- 8970 Criminal Justice Organization, Administration, and Management
- 8980 Criminal Justice Planning and Change
- 8990 Independent Study
- 9000 Special Problems in Criminal Justice
- 9010 Correctional Law
- 9020 Community Based Corrections
- 9030 Completion and Successful Defense of Thesis

Area of the undergraduate level. Those students lacking these requirements will be required to make up these deficiencies during the first year of graduate work.

Master of Science
The Master of Science degree is a 36 credit-hour non-thesis program. This degree program offers the student a choice of either the standard Master of Science curriculum or a Master of Science in Public Administration. There is an option in Public Administration or a Master of Science with an option in Counseling. The Public Administration Option is especially recommended for administrators or future administrators within the criminal justice system, the Counseling Option is designed for those who wish to work with juvenile and adult offenders in the criminal justice system.

To earn the Master of Science in Criminal Justice, the student must satisfactorily complete the following course requirements:

Required Core Courses
- 8600 Professions in Criminal Justice
- 8710 The Nature of Crime
- 8720 Seminar in Administration of Justice
- 8800 Criminal Justice Research Theory and Methodology

Elective Criminal Justice Courses
- Select five (5) courses with advisor approval
- 8910 Seminar in Police and Society
- 8920 Seminar in Corrections
- 8930 Seminar in the Criminal Court System
- 8940 Seminar in Criminal Law and Procedure
- 8950 Seminar in Educational Psychology
- 8960 Seminar in Theoretical Criminology
- 8970 Criminal Justice Organization, Administration, and Management
- 8980 Criminal Justice Planning and Change
- 8990 Independent Study
- 9000 Special Problems in Criminal Justice
- 9010 Correctional Law
- 9020 Community Based Corrections
- 9030 Completion and Successful Defense of Thesis

Area of the undergraduate level. Those students lacking these requirements will be required to make up these deficiencies during the first year of graduate work.

Elective Cognate Courses
In consultation with advisor the student selects four (4) courses in a related field. Suggested fields include, but are not limited to: Business Administration, Psychology, Political Science, Social Work, and Sociology. Satisfactory completion of the comprehensive examination is also required.
Master of Science
(Public Administration Option)

To earn the Master of Science degree in Criminal Justice, Public Administration Option, the student must satisfactorily complete the following course requirements:

**Required Core Courses**
- 8000 Professions in Criminal Justice
- 8010 The Nature of Crime
- 8020 Seminar in Administration of Justice
- 8030 Criminal Justice Research Theory and Methodology

**Required Public Administration Courses**
- 8200 Seminar in Public Administration
- 8440 Seminar in Organization Development in Public Agencies
- 8460 Public Budgeting
- 8480 Seminar in Public Financial Administration
- 8416 Public Personnel Management
- 8420 Seminar: Introduction to Public Organization

**Elective Criminal Justice Courses**
- Elective Criminal Justice Courses (student selects five (5) courses with advisor approval)
- 8040 Seminar in Police and Society
- 8050 Seminar in Corrections
- 8060 Seminar in the Criminal Court System
- 8070 Seminar in Criminal Law and Procedure
- 8080 Seminar in Juvenile Justice
- 8090 Seminar in Theoretical Criminology

**Required Counseling Courses**
- 8500 Professions in Criminal Justice
- 8510 The Nature of Crime
- 8520 Seminar in Administration of Justice
- 8530 Criminal Justice Research Theory and Methodology

**Required Counseling Courses**
- 8540 Counseling Practices
- 8550 Principles of Guidance

**Elective Counseling Courses**
- Elective Counseling Courses (student selects two (2) additional counseling courses. Suggested courses include, but are not limited to the following)
- 8720 Group Techniques in Guidance
- 8730 Group Counseling Theory and Practice
- 8776 Crisis Intervention/Suicide
d
- 8780 Counseling Theories

**Elective Criminal Justice Courses**
- Elective Criminal Justice Courses (student selects five (5) courses with advisor approval)
- 8040 Seminar in Police and Society
- 8050 Seminar in Corrections
- 8060 Seminar in the Criminal Court System
- 8070 Seminar in Criminal Law and Procedure
- 8080 Seminar in Juvenile Justice

**Elective Counseling Courses**
- Elective Counseling Courses (student selects five (5) courses with advisor approval)
- 8040 Seminar in Police and Society
- 8050 Seminar in Corrections
- 8060 Seminar in the Criminal Court System
- 8070 Seminar in Criminal Law and Procedure
- 8080 Seminar in Juvenile Justice

**Elective Counseling Courses**
- Elective Counseling Courses (student selects five (5) courses with advisor approval)
- 8040 Seminar in Police and Society
- 8050 Seminar in Corrections
- 8060 Seminar in the Criminal Court System
- 8070 Seminar in Criminal Law and Procedure
- 8080 Seminar in Juvenile Justice

Satisfactory completion of the comprehensive exam is also required.

**Master of Science (Counseling Option)**

To earn the Master of Science degree in Criminal Justice, Counseling Option, the student must satisfactorily complete the following course requirements:

**Required Core Courses**
- 8000 Professions in Criminal Justice
- 8010 The Nature of Crime
- 8020 Seminar in Administration of Justice
- 8030 Criminal Justice Research Theory and Methodology

**Required Counseling Courses**
- 8500 Professions in Criminal Justice
- 8510 The Nature of Crime
- 8520 Seminar in Administration of Justice
- 8530 Criminal Justice Research Theory and Methodology

**Elective Counseling Courses**
- Elective Counseling Courses (student selects five (5) courses with advisor approval)
- 8040 Seminar in Police and Society
- 8050 Seminar in Corrections
- 8060 Seminar in the Criminal Court System
- 8070 Seminar in Criminal Law and Procedure
- 8080 Seminar in Juvenile Justice

**Elective Counseling Courses**
- Elective Counseling Courses (student selects five (5) courses with advisor approval)
- 8040 Seminar in Police and Society
- 8050 Seminar in Corrections
- 8060 Seminar in the Criminal Court System
- 8070 Seminar in Criminal Law and Procedure
- 8080 Seminar in Juvenile Justice

Satisfactory completion of the comprehensive exam is also required.

**Elective Criminal Justice Courses**
- Elective Criminal Justice Courses (student selects five (5) courses with advisor approval)
- 8040 Seminar in Police and Society
- 8050 Seminar in Corrections
- 8060 Seminar in the Criminal Court System
- 8070 Seminar in Criminal Law and Procedure
- 8080 Seminar in Juvenile Justice

**Elective Counseling Courses**
- Elective Counseling Courses (student selects five (5) courses with advisor approval)
- 8040 Seminar in Police and Society
- 8050 Seminar in Corrections
- 8060 Seminar in the Criminal Court System
- 8070 Seminar in Criminal Law and Procedure
- 8080 Seminar in Juvenile Justice

Satisfactory completion of the comprehensive exam is also required.

4310/8316 Correctional Law (3) The law of corrections as it pertains to the institutionalized and community-based offender will be considered. Legal issues relating to sentencing including the death penalty, prisoners’ “rights,” in institutions and community-based corrections, procedural protections before the loss of offender “rights,” and restoration of civil rights will be examined. Prereq: None

4350/8356 Community Based Corrections (3) A course for advanced students with special interest in the correctional process as applied in a community setting. It is designed specifically to focus on probation, parole, and other current community-based strategies for dealing with delinquent or offender. Prereq: None

8000 Professions in Criminal Justice (3) A required non-credit course for graduate students in criminal justice. Intended to familiarize the beginning graduate student with the criminal justice profession including such topics as the historical development of the field of criminal justice; professional organizations; job opportunities, and the use of reference materials. Prereq: Admission to the graduate program in criminal justice.

8010 The Nature of Crime (3) This course provides an overview of the major dimensions of crime in the U.S. Content areas include the epidemiology of crime, the costs of crime, and typologies of crime and criminals. Prereq: Graduate standing and permission of instructor.

8020 Seminar in Administration of Justice (3) This course is designed to provide a social science perspective on the role of the courts in the criminal justice system. The ideals of the system will be compared with actual functioning, and recent reform programs and proposals will be critically examined. Prereq: Graduate standing and permission of instructor.

8030 Criminal Justice Research Theory and Methodology (3) A course designed to give an analytical perspective to the history, development, implementation, and future of critical issues in the field of corrections. Primary focus will be directed toward the development of various theoretical approaches to corrections and the research intended to support or refute these perspectives. Prereq: Graduate standing and permission of instructor.

8040 Seminar in Police and Society (3) This course is designed to give an overview of police and police work, and methods of the role of the police in American society. Attention is given to origins of policing, the nature of police organizations and police work, and patterns of relations between the police and the public. The values of a democratic society as they affect the legal enforcement role are discussed. Prereq: Graduate standing and permission of instructor.

8050 Seminar in Corrections (3) This course is designed to give an overview of social and political perspectives on the correctional process, including labor, parole, and the penal system. Prereq: Approval of instructor.

8060 Seminar in Criminal Law and Procedure (3) This course is designed to examine substantive criminal law as the basis of social control in our country. Contemporary issues such as the insanity defense, determination of so-called vicious crimes, sexual assault and abortion, and current proposals to assist victims of crimes will be among the topics explored. In addition, recent criminal procedure problems related to right to counsel, search and seizure, and interrogation will be examined. Prereq: Graduate standing and permission of instructor.

8070 Seminar in Juvenile Justice (3) An inquiry in the social ramifications of the entire juvenile delinquency process, including labeling, detention, incarceration and tolerance. Pre- and post-adjudicatory issues are dealt with as well as a realistic perspective given to delinquency prevention strategies. Prereq: Graduate Standing and permission.

8090 Seminar in Theoretical Criminology (3) A study of the etiology of crime as a social phenomenon and an analysis of the historical and philosophical aspects of the principles of crime causation. Prereq: CJ/Soc 3350, graduate standing and permission of instructor.

8100 Criminal Justice Research Method and Measurement (3) Research theory and methodology in the social sciences as applicable to criminal justice; preparation of research designs, conceptual models, sampling procedures, and development of individual research papers. Prereq: Graduate standing and permission.

8110 Criminal Justice Planning and Change (3) This course provides an introduction to the basic concepts, theories, and processes in criminal justice planning. Course content includes examination of planning data sources and application of
bical planning, manpower planning, and strategic policy planning to criminal justice. Graduate stand-
ning and permission of instructor.

8016-8026 Advanced Projects in Dramatic Arts (3-7) Individual projects in research, literature review, or creative production which may or may not be an extension of course work. The work will be supervised and evaluated by departmental graduate faculty members.

8040 Graduate Research (1-5) Graduate hours in major department and permission of instructor.

**DRAMATIC ARTS**

**PROFESSORS:** Curtis 

**ASSOCIATE PROFESSORS:** Paterson

**ASSISTANT PROFESSORS:** Brooks

The Master of Arts program in Dramatic Arts offers concentrated study in theatre history, literature, theory, design, and production. The overall goal of the program is to enrich the student's understanding of theatre as a humanistic and liberating art, to broaden and deepen an appreciation of the drama and theatrical arts, and to strengthen skills and creativity in the arts of theatre production.

The program is broadly flexible and allows each student to design a plan of study that meets individual needs and goals. The student will complete at least three main stage productions and at least two graduate-directed productions each year. Opportunities for appropriate work are considerable. The combination of practical production activity with graduate level work creates the challenge needed for advanced study. Nothesis is required. Upon approval of the student, the department is committed to nurturing a greater understanding of American and world theatre, our natural heritage, the Generator and Great Plains region, and it is these people we serve through our efforts in theatre scholarship, production, and scholarship.

An applicant for graduate study in Dramatic Arts must present a minimum of 15 undergraduate hours in the arts and humanities, excluding courses in technical theatre, and a strong under­

**DEGREE REQUIREMENTS**

**ASSISTANT PROFESSORS:**

**ASSOCIATE PROFESSORS:**

8040 Graduate Research (1-5) Graduate hours in major department and permission of instructor.

8200 Special Problems in Criminal Justice (3) An independent study in a special topic or area of interest to the student and in the program. Prereq: CJ graduate student and permission of instructor.

8990 Mosier's Thesis (1-6) Production and research for the Master of Arts degree. Prereq: permission of instructor.

8510/8326 Acting: Historical Periods and Styles (Each 3) The fundamental techniques of acting from ancient Greece to the present, including interpretation of outstanding dramatic literature. Prereq: DA 2310, 2320 or permission of the instructor.

8446 Directing: Rehearsal and Performance (3) A practicum in directing, analysis, casting, directing, and performing. Prereq: DA 1010, 1630, 2060, 2310 or permission of the instructor.

8500/8516 Costume Design (Each 3) An introduction to the fundamentals of stage costume construction, including line, silhouette, color, texture and theatricality. Emphasis on the visual presentation of design, including the student's re­

8616 Scene Design (3) Principles of composition, aesthetics, and creativity in the arts of theatre production. Prereq: DA 1010, 1210 or permission of the instructor.

8676 Stage and TV Lighting (3) Characteristics and applications of lighting equipment in the theatre. Prereq: permission of instructor.

8726 History of the Theatre Since 1642 (3) The subject of the course will change each semester. The course is designed to provide a historical perspective on theatre in the field of modern drama. Prereq: DA 1010, 1210, 1630, 2060.

8761 History of the Theatre to 1642 (3) A historical survey of the theatre and its literature from its origins to 1642. Prereq: permission of instructor.

8910 Dramatic Theory and Criticism (3) An introduction to the sources, background, and configuration of theatrical styles from ancient Greece to the present. Prereq: DA 2310 or permission of the instructor.

8930 Seminar in Play Direction (3) An in­

8990 Drama Research Methods (3) This course is designed to introduce graduate stu­

8990 Thesis (1-6) Independent research project written under the supervision of an advisor.
ECON 8290, Research Methods

Suggested Specializations

I. Economic Theory ........................................... 9 hours
   ECON 8140, Seminar in Labor Economics
   ECON 8456, Monetary Theory and Policy
   ECON 8650, Seminar in International Economics

II. Energy and Regulatory Economics ....................... 6 hours
   ECON 8310, Industrial Organization
   ECON 8456, Seminar in Money and Banking

III. Monetary and Financial Economics (select 4 courses) ...... 12 hours
   ECON 8310, Banking and Financial Markets
   ECON 8650, Seminar in Local Finance
   Elected .................................................. 9 hours

IV. International Economics (select 3 courses) ................... 9 hours
   ECON 8650, Seminar in International Economics
   ECON 8660, International Trade
   ECON 8660, International Money Economics

V. Urban/Regional Economics (select 4 courses - 12 hours, 6 of which must be in Economics) .... 12 hours
   ECON 8650, Seminar in Urban Economics
   ECON 8870, Seminar in Regional Economics
   GEO 8106, Urban Geography
   HIST 8366, American Urban History to 1870
   HIST 8697, U.S. Urban History since 1870
   SOC 8146, Urban Sociology

Electives .................................................... 12 hours

VII. (3) General (12 hours of graduate-level elective courses. Approval of Economics Program Graduate Advisor required.)

- Master of Arts

The M.A. program consists of core requirements (12 hours), an elected specialization (6 to 12 hours), electives as necessary (including 6 hours of thesis), a comprehensive exam in the area of specialization, and a defense of the thesis. Total hours required: 30.

Core (12 hours)

ECON 8290, Microeconomic Theory
ECON 8230, Macroeconomic Theory
ECON 8300, Quantitative Applications in Economics and Business
ECON 8390, Econometrics

- Not required for students demonstrating satisfactory mathematical skills. In that case, add 3 hours to electives.

Each student may elect a specialization from two suggested below. Other specializations may be approved by the Economics Program Graduate Advisor. Specializations consist of 9 or 12 hours of related graduate level coursework.

Suggested Specializations

I. Real Estate and Land Use Economics ........................................... 18 hours
   BA 8600, Real Estate and Land Use Economic Theory
   BA 8610, Current Problems in Real Estate
   BA 8620, Thesis** ....................................... 6 hours
   Elected .................................................. 6 hours

II. All other specializations are the same as those described under the M.S. program.
   Electives, include ECON 8990 Thesis ........................................... 6 hours

*Must be written under the supervision of a member of the REAL program.

4210/8216 Industrial Organization (3) An analysis of the structure and behavior of industries and their effect on economic performance. Involves the determination of micro-economic theories and concepts and provides a basis for public policy evaluation. Prereq: Econ 2010 and 2020 or permission of the instructor.

4300/8306 Quantitative Applications in Economics and Business (3) The study and application of modern quantitative techniques to problem solving in economics and business. Prereq: Econ 2010, 2020 and D.S. 2120 or permission of instructor.

4320/8326 Natural Resource Economics (3) Energy, minerals, fisheries, water, land, pollution and congestion are among the topics. This course covers the basic theoretical framework for understanding the optimal rate of resource use, identifies the factors that determine the actual rate of use, and considers and evaluates various public policy prescriptions. Prereq: Economics 2010 and 2020 or permission of instructor.

4450/8456 Monetary Theory and Policy (3) This course traces the development of monetary theory from the classical theory to current monetary theories. Beside the classical theory, the monetary theories of Keynes, the neo-Keynesians, the monetarists, and the neo-clasicals are examined and compared. The implications of each for monetary policy are examined. Prereq: Econ 3220 or permission of instructor.

4610/8616 International Trade (3) An analysis of the changes in the world economy in recent years. The effects of these changes on the world economy and the national economy are analyzed. Prereq: Econ 3220 or permission of instructor.

4620/8626 International Monetary Economics (3) An analysis of the international monetary system. The causes of the recent instability in the world economy and the role of the international monetary system in preventing future instability are examined. Prereq: Econ 3220 or permission of instructor.

4640/8646 International Financial Economics (3) An analysis of the international financial system. The causes of the recent instability in the world economy and the role of the international financial system in preventing future instability are examined. Prereq: Econ 3220 or permission of instructor.

4810 Theory of Public Finance (3) This course is designed to teach the student the basic principles of public finance and the methods of applying these principles to real-world problems. Prereq: Econ 3220 and Econ 3220 or permission of instructor.

4850 Economic Education (I) (3) A study and examination of economic principles and how they can be taught in the classroom. Emphasis is placed upon the practical application of economic principles to real-world problems. Prereq: 2.5 GPA in economics and 3.0 GPA overall, or permission of instructor.

4850 Economic Education (II) (3) A study of the economic education of the general public. Emphasis is placed upon the practical application of economic principles to real-world problems. Prereq: Econ 3220 or permission of instructor.

4870 Business Conditions Analysis (Same as BA 8605) (3) This course is concerned with the analysis of business conditions. Topics include general business conditions, the adaptation of business policies to changing business conditions, and the study of the behavior of economic systems. Emphasis is placed upon the practical application of statistical techniques to the analysis of business conditions. Prereq: Econ 3220 or permission of instructor.

4890 Research Methods in Economics and Business (3) A study of the research methods used in economics and business. Emphasis is placed upon the practical application of statistical techniques to the analysis of business conditions. Prereq: Econ 3220 or permission of instructor.

4890 Research Methods in Economics and Business (3) A study of the research methods used in economics and business. Emphasis is placed upon the practical application of statistical techniques to the analysis of business conditions. Prereq: Econ 3220 or permission of instructor.

4900 Business Forecasting (3) This course includes a comprehensive course-length survey of forecasting methods and in-depth study of forecasting methods most commonly used in business environments. Emphasis is placed upon the practical application of statistical techniques to the analysis of business conditions. Prereq: Econ 3220 or permission of instructor.
DEGREE REQUIREMENTS

EDUCATIONAL ADMINISTRATION AND SUPERVISION

PROFESSORS: Ashbaugh, Kellams, O'Reilly, Peltier, Rostie, Waterman, D. Weber
ASSOCIATE PROFESSORS: Rasten
ASSISTANT PROFESSORS: Kasten

Master of Science

An applicant for admission to the program for the Master of Science degree in educational administration and supervision (with endorsement) must hold a Bachelor's degree from an accredited institution of at least 36 semester hours and hold a valid certificate in either the elementary or secondary teaching level. The degree program is structured to include coursework leading to a specialization in the area of the student's interest. All programs will be designed with the student's needs in mind and will be developed by the student with advice and counsel of a major advisor.

Prior to admission to candidacy, all students must successfully pass the designated qualifying examination.

All programs will be designed with the student's needs in mind and will be developed by the student with advice and counsel of a major advisor.

Specialist in Education

An applicant for admission to the program for the Specialist in Education degree (with endorsement) in the Department of Educational Administration and Supervision must hold a Bachelor's degree from an accredited institution and have either completed post-baccalaureate study or have at least three years of teaching experience in an accredited school system. The nature and functioning of effective school organization and administration, including the interpersonal relationships and leadership processes, will be studied. The program is designed to acquaint students with modern administrative and supervisory procedures based on disciplinary strategies and legal and ethical systems. The student will develop model rules, regulations, policies and procedures based on disciplinary strategies and general supervision programs. Preparation for Graduate Admission.

Specialist in Urban School Administration

An applicant for admission to the program for the Specialist in Urban School Administration degree (with endorsement) in the Department of Educational Administration and Supervision must hold a Bachelor's degree from an accredited institution and have at least three years of teaching experience in an accredited school system. The program is designed to acquaint students with modern administrative and supervisory procedures based on disciplinary strategies and legal and ethical systems. The student will develop model rules, regulations, policies and procedures based on disciplinary strategies and general supervision programs. Preparation for Graduate Admission.

Thesis

An application for admission to the program for the Master of Science degree in educational administration and supervision must be submitted to the faculty advisor at the starting point. The program of study is designed to include coursework leading to a specialization in the area of the student's interest. All programs will be designed with the student's needs in mind and will be developed by the student with advice and counsel of a major advisor.

Prior to admission to candidacy, all students must successfully pass the designated qualifying examination.

All programs will be designed with the student's needs in mind and will be developed by the student with advice and counsel of a major advisor.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

8870 Seminar in Regional Economics (3) An examination of the current developments and issues which most significantly affect the administration of an educational media program within a primary and/or secondary school. (Also LS 8886).

8900 Special Studies in Educational Administration and Supervision (3) This course is designed specifically to deal with interpersonal and group relations. It should be useful to those administrators who recognize the need to increase their knowledge and skill in human relations.

9000 Administration and Supervision of Vocational Education (3) Basic concepts for administration and supervision of vocational education, as related to the needs of the superintendent, principal, supervisor. (Same as EDUC 8800).

9010 Urban School Administration (3) This course is designed to acquaint students with modern administrative and supervisory procedures based on disciplinary strategies and legal and ethical systems. The student will develop model rules, regulations, policies and procedures based on disciplinary strategies and general supervision programs. Preparation for Graduate Admission.

9020 Seminar in Urban Economics (3) Examination of the current developments and issues which most significantly affect the administration of an educational media program within a primary and/or secondary school. (Also LS 8886).

8886 Administration of the Instructional Materials Center (3) A course designed for students involving practical methods and techniques for the administration of an educational media program within a primary and/or secondary school. (Also LS 8886).

8890 Independent Study in Educational Administration and Supervision (1-3) Individual or group study and analysis of specific problems in educational administration and supervision. Preparation for Admission to the Department.

8250 Data Processing in Educational Administration (3) A study of systems as planning tools for administration, and the role of administrative and supervisory personnel in the development of effective computer systems. Prerequisite: Admission to the Department.

8300 Seminar in Educational Administration and Supervision (3) A study of major issues in education and analysis of associated problems. Prerequisite: Admission to the Department.

8560 School Finance (3) An in-depth inquiry into the nature and function of financial decisions in the school system. This course will incorporate the salient psychological, sociological, business management and educational administration concepts as they pertain to the financial management of educational administration as they apply to the financial systems of EDD 8820, EDD 8940, or EDD 8470.

8550 School Business Management (3) An analytical approach to the functions of the school business office, including instructional, pupil personnel, and budgetary procedures; financial accounting, auditing, budgeting, and reporting; and analysis of reporting procedures, records and inventories, administration of programs and activities. Prerequisite: Admission to the Department.

8560 School Finance (3) A study of the sources of school financing local, state and national. In addition to covering this area from a historical point of view, emphasis is placed on current problems in school finance.

8620 Educational Plants and Their Equipment (3) Designed to give the school administrator a broad basis of knowledge and practical experience in school building site selection, building construction and design, school furniture and equipment, school building and plant operation; rehabilitation and remodeling; scheduling of work; and custodial care. Preparation for Graduate Admission.

8700 Administration and Staff Personnel (3) A course dealing with personnel policies, problems, and issues in the following areas: recruitment, orientation, evaluation, promotion, tenure, retirement, professional recognition, and legal status. Emphasis will be placed upon the techniques of democratic administrative action.

8710 Interpersonal Relationships in Educational Administration (3) This course is designed specifically to deal with interpersonal and group relations. It should be useful to those administrators who recognize the need to increase their knowledge and skill in human relations.

8800 Administration and Supervision of Vocational Education (3) Basic concepts for administration and supervision of vocational education, as related to the needs of the superintendent, principal, supervisor. (Same as EDUC 8800).

8810 Urban School Administration (3) This course is designed to acquaint students with modern administrative and supervisory procedures based on disciplinary strategies and legal and ethical systems. The student will develop model rules, regulations, policies and procedures based on disciplinary strategies and general supervision programs. Preparation for Graduate Admission.

8850 Seminar in Urban Economics (3) An examination of the current developments and issues which most significantly affect the administration of an educational media program within a primary and/or secondary school. (Also LS 8886).

8870 Seminar in Regional Economics (3) An examination of the current developments and issues which most significantly affect the administration of an educational media program within a primary and/or secondary school. (Also LS 8886).

8886 Administration of the Instructional Materials Center (3) A course designed for students involving practical methods and techniques for the administration of an educational media program within a primary and/or secondary school. (Also LS 8886).

8900 Special Studies in Educational Administration and Supervision (3) This course is designed specifically to deal with interpersonal and group relations. It should be useful to those administrators who recognize the need to increase their knowledge and skill in human relations.

9000 Administration and Supervision of Vocational Education (3) Basic concepts for administration and supervision of vocational education, as related to the needs of the superintendent, principal, supervisor. (Same as EDUC 8800).

9010 Urban School Administration (3) This course is designed to acquaint students with modern administrative and supervisory procedures based on disciplinary strategies and legal and ethical systems. The student will develop model rules, regulations, policies and procedures based on disciplinary strategies and general supervision programs. Preparation for Graduate Admission.

9020 Seminar in Urban Economics (3) Examination of the current developments and issues which most significantly affect the administration of an educational media program within a primary and/or secondary school. (Also LS 8886).

8886 Administration of the Instructional Materials Center (3) A course designed for students involving practical methods and techniques for the administration of an educational media program within a primary and/or secondary school. (Also LS 8886).

8900 Special Studies in Educational Administration and Supervision (3) This course is designed specifically to deal with interpersonal and group relations. It should be useful to those administrators who recognize the need to increase their knowledge and skill in human relations.

9000 Administration and Supervision of Vocational Education (3) Basic concepts for administration and supervision of vocational education, as related to the needs of the superintendent, principal, supervisor. (Same as EDUC 8800).

9010 Urban School Administration (3) This course is designed to acquaint students with modern administrative and supervisory procedures based on disciplinary strategies and legal and ethical systems. The student will develop model rules, regulations, policies and procedures based on disciplinary strategies and general supervision programs. Preparation for Graduate Admission.
ENGLISH

PROFESSORS: Baker, Lane, Newkirk, Skaug, Walsh
ASSOCIATE PROFESSORS: Bonn, Del Rio, McKenney, Mundell
ASSISTANT PROFESSORS: Kubatschek, Peterson, Rasbe, P. Smith

Master of Arts

To be admitted to graduate study in English, a student should have completed at least eighteen credit hours in undergraduate English courses above the freshman level with an average grade of "B" or above. In addition, the student is required to pass the Miller Analogies Test (MAT) with a score above 30 on the general aptitude section (but not the advanced area) of the Graduate Record Exam (GRE) with a score above 350. All candidates for Master of Arts degrees with majors in English are required to take English 8010 (Introduction to Literary Research) within the first nine hours of graduate study and to complete one of the following plans of study:

Plan A: Successful completion of 24 credit hours in coursework, including at least 12 hours in 8200- or 8900-level courses or pass an approved defense before a faculty committee; plus a comprehensive written examination over a designated body of literature or language prepared by and judged by a faculty committee.

Plan B: Successful completion of 30 credit hours in coursework, including at least 18 hours in 8000- or 9000-level courses; plus a comprehensive written examination over a designated body of literature or language prepared and judged by a faculty committee.

The following English seminars vary in emphases and may be repeated for credit: English 8060, 8080, 8100, 8300, 8960, and 9120.

With approval of a student's advisor and the English Graduate Program Committee, a student may include coursework in another area of study not designated as English in the Plan A or Plan B above. For Plan A (thesis) a minor is six hours; for Plan B (non-thesis) a minor is nine hours. The maximum amount of coursework which may be applied from another discipline or disciplines is the same as that for Plan A (six hours) or Plan B (nine hours).

The English Department offers a Certificate in Course in Teaching English as a Second Language.

Degrees

Master of Arts

DEGREE REQUIREMENTS (1-3) A critical study of selected sub-field or problem area of linguistics, with emphasis on current syntactic and phonological structures. Prerequisite: English 4580/8586 or permission of the chairman of the department of English.

8856 Linguistic Variation (3) The methods and techniques of phonological and sociolinguistic research, with emphasis on sociolinguistic variation studies with emphasis on American English in the community and classroom. Prerequisite: English 4580/8586 or permission.

8946 Seventeenth Century Literature (3) A study of the literature of the age, from the beginning to 1800 including such authors as John Donne, Ben Jonson, Sir Francis Bacon, Sir Thomas Browne, John Bunyan, and John Dryden. Prerequisite: English 8090/8093 or permission.

8956 Shakespeare's Contemporaries (3) A study of the development of the English drama, exclusive of Shakespeare, from the beginning to 1652. Prerequisite: English 8090/8093 or permission.

8956 Introduction to Linguistics (3) An introduction to the concepts and methodology of the scientific study of language; includes language description, history, phonology, morphology, syntax, and acquisition as well as semantics, lexicography, and foreign language teaching. Prerequisite: English 8090/8093 or permission.

8966 Shakespeare (3) A critical study of selected comedies, histories and tragedies by Shakespeare. Prerequisite: English 8090/8093 or permission.

8966 Restoration and Eighteenth Century Literature (3) A survey of the major literary figures and major movements of literature from 1660-1780, with emphasis on Swift and Johnson. Prerequisite: English 8090/8093 or permission.

8966 The Eighteenth Century English Novel (3) Readings in the English novel from Daniel Defoe to Fielding. Prerequisite: English 8090/8093 or permission.

8966 The Nineteenth Century English Novel (3) Readings in the English novel from Jane Austen to Thomas Hardy. Prerequisite: English 8090/8093 or permission.

8966 The Twentieth-Century English Novel (3) Readings in the English novel from Joseph Conrad to W.H. Auden. Prerequisite: English 8090/8093 or permission.

8966 History of English (3) A study of the structural development of the English language. Prerequisite: English 4580/8586 or permission.

8756 Rhode Island (3) A study of contemporary theories of invention, form, and style and their application within the English language. Prerequisite: English 4580/8586 and permission of the instructor.

8756 Structure of English (3) A study of the phonology, morphology, and syntax of English as seen by the traditional, structural, and transformational-generative theories of language description. Prerequisite: English 4580/8586 or permission.

8816 Literature of The Romantic Period (3) Poetry, prose (exclusive of the period from the beginning to the present) with emphasis on the criticism of ancient Greece and Rome, nineteenth century England and twentieth century America. Prerequisite: English 4580/8586 or permission of the chairman of the department of English.

8846 Literature in The Renaissance Period (3) Post-Tudor authors from Chaucer to Yeats with emphasis on the critical period. Prerequisite: English 4580/8586 or permission.

8896 The American Novel (3) A critical and historical study of the work of twelve or more significant American novels of the nineteenth and twentieth centuries.

8976 The American Drama (3) A study of the American drama and its theatrical background from the beginning to the present day with emphasis on American drama and interpretation. Prerequisite: English 4580/8586 or permission of the chairman of the department of English.

8976 Seminar: Literary Criticism (3) Literary criticism from the beginning to the present with emphasis on the criticism of ancient Greece and Rome, nineteenth century England and twentieth century America. Prerequisite: English 4580/8586 or permission of the chairman of the department of English.

8976 Seminar: American Literature (3) Individual research and group discussion relating to a general topic in American literature. Prerequisite: English 4580/8586 or permission may be repeated for additional credits under different topics.) Prerequisite: English 4580/8586 or permission of the chairman of the department of English.

8990 Seminar in The English Renaissance (3) Seminar in a few significant literary figures of the English renaissance. Prerequisite: Graduate standing or permission of the chairman of the department of English.

8990 Seminar: The Restoration and Early 18th Century (3) A seminar of selected English authors and works of the Restoration and
standing.

8100 Seminar: Victorian Literature (3) An
intensive study of selected Victorian authors and the
irregularly offered problems usually by
period or genre courses. (This course
may be repeated for credit under dif-
f erent topics) Prereq: Graduate standing or per-
m ission of the instructor.

8130 Topical Seminar in English (3) An
in tensive study of one or more authors, genres, li-
terature, and literary problems usually offered
by regular period or genre courses. (This course
can be repeated for credit under dif-
f erent topics) Prereq: Graduate standing or per-
m ission of the instructor.

8135 Seminar: John Milton (3) Intensive sem-
inar in the major works of John Milton and in
investigation of specific critical and scholarly
problems. (This course can be repeated for credit
under different topics) Prereq: Graduate standing or per-
m ission of the Instructor.

8160 Seminar in Middle English Literature (3) A study of selected writings in Middle English.
Prereq: Graduate standing and one course in mid-
dle English language or literature.

GEOGRAPHY

PROFESSORS: Barts, Retallack, Shroder, Vogel
ASSOCIATE PROFESSORS: Gildersleeve, Peake, J. S. Wood
ASSISTANT PROFESSORS: Engelmann

Master of Arts

The Master of Arts degree offered by the Department of Geography-Geology requires a minimum of 24 semester hours of approved graduate work in geography or related disciplines, plus 6 semester hours of thesis for a total of 30 semester hours.

A study of modern methods and techniques in geography and related disciplines. Prereq: History and Philosophy of Geography (8000). In addition, all students are expected to attend General Seminar. The remainder of the program consists of courses scheduled by the student and the Graduate Program Committee. At least one-third of the courses must be in "D" level courses. All students must pass a written examination prior to undertaking thesis work.

Admission Requirements

In addition to the requirements of the Graduate College, an applicant for admission to the Master of Arts degree program in geography must present an undergraduate degree in geography or related field with a grade point average of at least 3.0 on a 4.0 scale.

4010/8016 Conservation of Natural Re-
source Information Systems. Emphasis on construction techniques and problems with particular emphasis on the organization and spatial data bases. Includes philosophical and eco-
nomic aspects of resource management and a sys-
tematic survey of traditional conservation types
including solid, forestry, water resources and en-
ergy. Prereq: Three hours of Geog. 4020/8026 Quantitative Methods in Ge-
obiotics. Emphasis on understanding and the concepts of
quantitative techniques in geography. Emphasis is placed on two-dimensional sampling theory, design, and graph theory, and spatial statistics. Prereq: Geog 4000 or permission of the instructor.

4030/8036 Computer Mapping and Data Analysis (3) Computer techniques in mapping and analysis. Emphasis is placed upon address system issues as input to various mapping and

4050/8056 Geographic Information Sys-
tems (3) An introduction to data manipulation and database design of geographic information. Topics include geographic data input, storage, maintenance, analysis, retrieval and display. Current geographic information systems are examined. Particular attention is given to the principles of remote sensing imagery and cartographic data-base. Prereq: Geog 4050 or Geog 4630/8636 and an introduction to computer science course (CS 1610 or equivalent).

4100/8106 Biogeography (3) This course is in-
tructional study of distribution and abundance of organisms in space and time. Crosslisted with Biog 4100/8106. Prereq: Biology 1750 (Biology II) or Invertebrate Pa-

tology/Geography/Geology 3100 or Biology 3100. (3) Analysis of various sensor systems ranging through imagery obtained from earth-orbital platforms such as "LANDSAT" with emphasis on their practical application. Provides basic tools for environmental evaluation.

8000 History and Philosophy of Geography (3) Introduction to history of geography. Emphasis not only on significant ideas, concepts and individuals in the development of geography, but also on key figures in geography from classical Greeks to present. Prereq: Permission.

8040 Seminar in Educational Geography (3) A survey of methods, instruction aids and goals for teaching geography. Designed to aid the teacher in the improvement of geographic instruction in elementary and secondary schools. May be taken for additional credit in higher education. Prereq: Permission.

8210 Seminar in Cultural Geography (3) The geography of cultural landscapes and their development with emphasis on describing and interpreting the cultural landscape. Prereq: Permission.

8310 Geography of Agriculture (3) A systematic study of the characteristics and patterns of the cultivation of agricultural crops.

8500 Special Topics in Geography (1-3) This course will provide for an in-depth study of a geo-

spherical geometry and geophysical processes. The emphasis of the course is on
the understanding and appreciation of quantitative techniques in geography. Emphasis is placed on two-dimensional sampling theory, design, and graph theory, and spatial statistics. Prereq: Geog 4000 or permission of the instructor.

4010/8016 Conservation of Natural Re-
source Information Systems. Emphasis on construction techniques and problems with particular emphasis on the organization and spatial data bases. Includes philosophical and eco-
nomic aspects of resource management and a sys-
tematic survey of traditional conservation types
including solid, forestry, water resources and en-
ergy. Prereq: Three hours of Geog. 4020/8026 Quantitative Methods in Ge-
obiotics. Emphasis on understanding and the concepts of
quantitative techniques in geography. Emphasis is placed on two-dimensional sampling theory, design, and graph theory, and spatial statistics. Prereq: Geog 4000 or permission of the instructor.

4030/8036 Computer Mapping and Data Analysis (3) Computer techniques in mapping and analysis. Emphasis is placed upon address system issues as input to various mapping and

4050/8056 Geographic Information Sys-
tems (3) An introduction to data manipulation and database design of geographic information. Topics include geographic data input, storage, maintenance, analysis, retrieval and display. Current geographic information systems are examined. Particular attention is given to the principles of remote sensing imagery and cartographic data-base. Prereq: Geog 4050 or Geog 4630/8636 and an introduction to computer science course (CS 1610 or equivalent).

4100/8106 Biogeography (3) This course is in-
tructional study of distribution and abundance of organisms in space and time. Crosslisted with Biog 4100/8106. Prereq: Biology 1750 (Biology II) or Invertebrate Pa-

tology/Geography/Geology 3100 or Biology 3100. (3) Analysis of various sensor systems ranging through imagery obtained from earth-orbital platforms such as "LANDSAT" with emphasis on their practical application. Provides basic tools for environmental evaluation.
8650 Land Use (3) A field course designed to understand, by actual field investigation, land use patterns in urban areas through the comprehension of social, physical, and economic factors which tend to shape the land use of a given place. The major emphasis will be placed upon field investigations in the urban area, with the functional region receiving the major consideration. Prereq: Geography 3100.

8670 Cartographic Methods (3) Teaches effective map layout and the latest cartographic techniques. The student will gain knowledge and experience in comprehensive regional or environmental planning. Prereq. Permission and 12 hours graduate credit in geography.

8810 Seminar in Metropolitan Planning (3) An overview of metropolitan planning with special emphasis on the planning process and current problems encountered by planning officials. Prereq. Permission. (Same as Econ. 8810 and Afr. Studies 8810.)

8830/8840 Interdisciplinary Seminar On The Urban Community (2-6) An interdisciplinary examination of the metropolitan community in which various departments and college offerings concerned with urban problems are put on a broad interdisciplinary basis rather than the general urbanism or a particular geographic process viewed on a regional or specific local level. (Also listed under economics, political science, and sociology)

9990 Thesis (1-6) Independent research project under the supervision of an advisor.

9550 Topics in Regional Geomorphology of North America (3) A seminar on the landuse history of the geographic regions of North America, emphasizing the development of land use through time and changes that may occur in older age. Applications of various personality theories concerning aging will be considered. Prereq: Geography 3100. (3) Hours geography or permission.

4460/4466 Aging and Human Behavior (3) The course is concerned with the personality and behavior of individuals who are aging; examine the national policy process as it relates to the older American; and review the principles and practices relevant to the aging process. Prereq: Geography 3110/4110, Applied Social Gerontology. (3) Three hours geography or permission.

4500/4506 Administrative and Legal Concerns of the Elderly (3) Consideration of the legal concerns which are likely to arise as people age. Includes introduction to American legal systems, and an examination of legal concepts, and issues of special importance to older persons. Prereq: Geography 4110/5110, Applied Social Gerontology. (3) Three hours geography or permission.

4520/4526 Mental Health and Aging (3) An examination of mental health problems that are particular to older people. Prereq. Permission.

4550/4556 Health Aspects of Aging (3) The study of aging from the perspectives of biology and psychological factors that influence the health of the aging population. Prereq: Permission. (3) Three hours geography or permission.

4670/4676 Programs and Services for the Elderly (3) This course is provided to give the student an historical overview of programs for the elderly; examine the national policy process as it relates to the older American; and review the principles and practices relative to the existing national programs for the aged. Prereq: 3 hours geography. (3) Hours geography or permission.

4690/4696 Working With Minority Elderly (3) This course is designed to provide the student with knowledge of the different attitudes and experiences of the elderly within four major minority groups and to examine various service systems and practice models in terms of their relevance and effectiveness in meeting needs of the minority elderly. Prereq: Senior or graduate standing in Geography or Social Work or permission of the instructor.

4750/4756 Mid-Life, Career Change, and Pre-Retirement (3) An introduction of mid-life as it applies to the course of second careers, existing resources, and the future of second careers; and the concept and practical implications of pre-retirement planning. (Same as Counseling 4750/8756.) Prereq. None.

4850/4856 Hospice and Other Services for the Dying (3) A course designed to involve students in the recognition of needs, concerns, and desires of dying patients and their families by examining Hospice and other services available in our community. (Practical information, readings, films, and experimental exercises are of necessity.) Prereq: Permission of the instructor. (Same as Social Work 4850/8856.) Prereq. 6730 or permission.

4920/4926 Special Studies in Gerontology (1-3) Special studies designed around the interests of individual students, arranged with the individual student. (Same as the psychology, sociology, economics, or political science courses as applied to these areas.) The study of aging around the world by a committee of three or more faculty members. Prereq: Permission of the instructor or a humanistic approach to the study of aging. Prereq: Permission of the instructor.

4940/4946 Practicum (0-6) This course provides the opportunity to students to share field experiences, to gain understanding of the perspective of various relationships with agencies. Prereq: Six hours Gerontology or permission.

4980/4986 Counseling Skills in Gerontology (3) This course is intended to help develop basic counseling skills for application in gerontology. Prereq: Permission of instructor.

8280 Counseling Older Adults (2) Designed to provide basic information and training necessary to work with older adults. For Counseling and Guidance majors not specializing in Gerontology. Prereq: Counseling 8946, Permission of instructor.

8730 Thanatology-Study of Death and Dying (3) An examination of a special phenomenon of the human experience of death and dying. Prereq: Permission of the instructor. (3) Hours Geography or permission.

8960 Directed Readings in Counseling and Gerontology (0-6) This course is intended to help develop basic counseling skills for application in gerontology. Prereq: Permission of instructor.

9970 Personal Values and Aging (1) Course designed to increase students' self-awareness of personal values and feelings related to aging and the aged.

4980 Geropsychology (3) To become familiar with the psychology of aging, the aging process, and the effects of aging. The focus will be on psychological research in the middle years and in later years. (Same as Psychology 4980.) Prereq: 12 hours of psychology and/or gerontology or permission.
HEALTH, PHYSICAL EDUCATION, AND RECREATION

PROFESSORS: K. Berg, Flynn, Kidd
ASSOCIATE PROFESSORS: Blanken, H. E. Buchanan, Cortin, Lundahl, Metal-Corbin, Stewart
ASSISTANT PROFESSORS: Burkins

The School of Health, Physical Education, and Recreation offers graduate courses in the areas of health education, physical education and recreation/leisure studies. It is possible to obtain either a Master of Arts (M.A.) degree or a Master of Science (M.S.) degree with a major in one of the following areas: health, physical education, recreation/leisure studies.

The Master of Arts degree, which does not require a thesis, provides a minimum of 36 semester hours. Students desiring the Master of Science degree will complete a program of at least 30 semester hours, six hours of which will be devoted to a thesis.

Master of Arts

Required Core Courses

- 6 hours

Specialization Courses

(Specific courses will be selected from the following according to emphasis and consultation with an advisor.)

- HPER 8000 Special Studies
- HPER 8110 Research Project
- HPER 8200 Analysis of Research and Literature in HPER
- HED 8200 Health Promotion at the Workplace
- HED 8250 Human Sexuality
- PE 8980 Alcohol Education
- HED 8550 Health Aspects of Aging
- HED 8555 Health Aspects of Stress Management
- PE 8016 Laboratory Practicum in Exercise Science
- PE 8936 Measurement and Evaluation in Physical Education
- PE 8966 Topics of Sports Medicine
- PE 8240 Sport in American Culture
- HED 8590 Curriculum in Physical Education
- PE 8370 Improvement of Instruction in Physical Education
- PE 8950 Motor Learning and Performance
- PE 8450 Kinesiological Analysis of Motor Skills
- HED 8330 Alcohol Education for School Personnel
- PE 8400 Advanced Exercise Physiology
- PE 8370 Statistical Techniques, critical analysis of research and development of skill in writing research papers. Prereq: Graduate student in HPER.

Elective Courses

Related courses outside the School of HPER, approved by the advisor, may be taken as needed to bring the courses in the student's program to a minimum of thirty semester hours.

Elective Courses

6 hours

Master of Science

Required Core Courses

- 6 hours

Specialization Courses

(Specific courses will be selected from the following according to the area of emphasis and consultation with an advisor.)

- HPER 8000 Special Studies
- HPER 8110 Research Project
- HPER 8200 Analysis of Research and Literature in HPER
- HED 8200 Health Promotion at the Workplace
- HED 8250 Human Sexuality

Thesis Requirement

6 hours

Elective Courses

Related courses outside the School of HPER, approved by the advisor, may be taken as needed to bring the courses in the student's program to a minimum of thirty semester hours.

General HPER

8000 Special Studies (1-3) A series of intensive courses - scheduled as regular seminars, or workshops - according to purpose. Prereq: Permission of department.

8030 Research in Health, Physical Education, and Recreation (3) An introduction to the nature and significance of research in HPER. Attention will be given to research techniques, statistics, critical analysis of research and development of skill in writing research papers. Prereq: Graduate student in HPER.

8100 Research Project (1-3) Individual or group study and analysis of specific problems in health, physical education or recreation. Prereq: Graduate standing. (1) Individual or group study and analysis of specific problems in health, physical education or recreation. Prereq: Graduate standing.

8220 Problems and Issues in HPER (3) An examination of current problems and issues in HPER that relate to the general aims and purposes of HPER. Prereq: Graduate student status.

8300 Analysis of Research and Literature in HPER (3) Survey of research and literature in HPER for the purpose of orienting the student to possible areas of research and developing an understanding of and appreciation for writings in HPER.

8990 Thesis (1-6) Independent research project written under the supervision of an advisor. Prereq: Permission.

Health Education

4200/8206 Health Promotion at the Workplace (3) A study of the practice of health promotion in the workplace. Principles of sound program planning, implementation and management will be explored. The student will study workplace health promotion in relation to cost analysis, health behavior, program content, the insurance industry, and program evaluation.

Alcohol Education

8330 Alcohol Education (3) A study of psychological, sociological, and physiological factors that influence the health of the individual with particular emphasis given to biological changes that have implications for disease and health disorders. Prereq: Graduate standing.

8500 Alcohol Dependency Workshop for Educators (1) A concentrated look at problems which arise from misuse of alcohol in today's society. Special emphasis will be given to the identification of students with alcohol related problems: the effect of alcohol on both the individual and the family unit and the role of the school in prevention, intervention, and referral. Designed primarily for public school educators, counselors, and administrators. Prereq: Admission to Graduate College.

8520 Human Sexuality (3) This graduate level course is aimed at providing an overview of the current scientific knowledge concerning human sexuality. The course is designed to be interdisciplinary in nature, providing the biological, behavioral and cultural aspects of human sexuality. Priority will be given to students from the helping professions. Qualified students from other related disciplines must have permission of the instructor.

8330 Alcohol Education for School Personnel (3) A study of the problems associated with alcohol use and misuse. The patterns and trends of use, theories of dependence, pharmacological aspects and health consequences are explored. Emphasis is given concerning the identification of students with alcohol related problems and the role of the school in alcohol prevention, education, intervention and referral. This course is designed primarily for public school personnel.

8850 Health Aspects of Stress Management (3) The health-related aspects of stress manage-
Physical Education

8240 Sport in American Culture (3) The course is a study of sport and the ways in which it has contributed to American culture. Specific topics may include treatment of the social, economic, and political implications of various sports. A study of the foundations for curriculum decision making, from national, state, school, and classroom levels. Prereq: Undergraduate standing and physical education. 4330/8332 Physiological Analysis of Exercise (3) A study of the factors that affect the body's response to exercise and the exercise program, including application of physiological concepts to the design and supervision of programs in physical education. 8280 Curriculum in Physical Education (3) A study of the processes involved in the construction and supervision of programs in physical education. Special consideration is given to curriculum changes, curriculum patterns, and programs in physical education.

8450 Kinesiological Analysis of Motor Skills (3) An in-depth investigation of the biomechanical basis of motor performance. Includes a descriptive analysis of sports skills and fundamental movement patterns and an examination of techniques for collecting biokinematic data.

8950 Advanced Exercise Physiology (3) This course is designed for students with an interest in exercise physiology. Major topics to be emphasized include: graded exercise testing and electrocardiography, regulation of oxygen uptake, body composition, neuroendocrine function, and thermoregulation. Prereq: PE 4940 or equivalent.

4010/4016 Laboratory Practicum in Exercise Science (3) This practicum will provide students with opportunities to apply concepts in exercise science to practical situations. Examples of equipment typically used in biomechanics and exercise physiology laboratories will be demonstrated. Prereq: PE 4520 or 4940, current CPR Certification or equivalent, and permission of the instructor.

4040/4050 Behavioral Aspects of Coaching Athletes (3) This course is designed to provide the student with an overview of the behavioral aspects of coaching athletes. The course will cover coaching as it affects skills development, the personality of the elementary school, junior high school, high school, college, and professional coaching. Such personal factors as background, values, attitudes, emotions, competition, cooperation, motivation, sportsmanship, and leadership will be discussed in relation to the athlete. Practice factors that influence the athlete will be studied from a coaching standpoint. Research in sport will be reviewed. Prereq: Graduate standing.

4930/8936 Measurement and Evaluation of Physical Education (3) Analysis of tests, measurement apparatus and testing procedures used in physical education. Includes an analysis of descriptive statistics. Practical experience in test development and analysis for 2340, junior standing and physical education 2430. (S, Su)

4940/8946 Physiology of Exercise (3) A study of the scientific principles governing the body and their response to exercise and the exercise program. Includes application of physiological concepts to the design and supervision of programs in physical education. Prereq: Graduate standing. 4960/8966 Topics in Sports Medicine (3) This course covers topics regarding the science and medicine of sports participation. Some areas to be covered include pharmacologic aspects, orthopedic aspects, prevention and rehabilitation, pediatric aspects, legal aspects and aging. Prereq: Basic course in human anatomy, physiology, kinesiology, exercise physiology, psychology and growth and development or special permission of the instructor.

Recreational Leisures Studies

4240/4246 Organization and Administration of Recreation (3) Designed to provide a background in the development of a recreation program. Commercial recreation with special attention to organization, promotion, and administration of recreation program. Prereq: At least 9 hours of upper division courses in recreation or permission of the instructor.

4300/4306 Recreation Programming (3) An advanced study of recreational program planning through practical application of research techniques with emphasis on understanding participants' leisure behavior and the ways in which organizations create services to meet the needs of their members. The other 15 hours may be selected from recreation service courses, or permission of the instructor. For 8306, undergraduate recreation major or minor plus 9000 level permission of instructor.

4510/4516 Recreation Programs for the Mentally Retarded (3) Designed to explore creative programs for the mentally ill and the mentally retarded (children, adolescents and adults). The course will include seminars, workshops, schools and training centers and other agency settings. Consideration will be given to developing an understanding of the relationship between therapeutic experiences and the ill or retarded person's potential for social and independent living. Prereq: Introduction to therapeutic recreation, recreation and/or experience in working with the handicapped, or permission of the instructor.

4520/4526 Recreation for the Aging (3) The purpose of this course is to provide the student with an overview of the behavioral aspects of recreation for the elderly. The course will cover recreation as it affects skills development, the personality of the elementary school, junior high school, high school, college, and professional recreation. Such personal factors as background, values, attitudes, emotions, competition, cooperation, motivation, sportsmanship, and leadership will be discussed in relation to the athlete. Practice factors that influence the athlete will be studied from a coaching standpoint. Research in sport will be reviewed. Prereq: Graduate standing.

4830/4836 Therapeutic Recreation: Activity Analysis (3) The course will examine activity therapy programs and explore basic areas of activity including describing their values and methods of selection and presentation and giving useful techniques for their modification. Prereq: RED 3500 or permission of the instructor.

4890/4896 Therapeutic Recreation: Delivery Models (3) This course investigates therapeutic recreation delivery models for the ill and disabled in both institutional and community settings. It provides a rationale for the development of therapeutic recreation services for special populations and places particular emphasis on advanced leadership and therapeutic interventional skills and dynamics. Prereq: RED 3500 or permission of the instructor.

8410 Outdoor Recreation Resource Planning (3) An in-depth view of outdoor recreation resource planning, policy formulation, education, and significant current problems. Special attention will be focused on state/provincial planning resource models, cultural preferences, demand, financing, decision-making, and policy. Prereq: Graduate standing. At least 6 hours of undergraduate preparation courses, or permission of the instructor.

HISTORY

PROFESSORS: Carrigan, Dalstrom, Garver, Overfield, Petravics, Pollak, Pratt, St John, Tate, Thomas

ASSOCIATE PROFESSORS: Geeler, Simmons

Master of Arts

Admission to M.A. Program

1. To be admitted unconditionally a student must present 21 (twenty-one) hours of undergraduate preparation in History with at least a 3.00 average in those hours. Further, to be admitted unconditionally, the student must have achieved a grade average of 2.75 in his/her overall undergraduate work and must follow all other admission requirements for Graduate Studies.

2. Students may be admitted provisionally who have less than 21 (twenty-one) hours of undergraduate preparation, or who have not achieved a 2.75 overall grade average. This provision requires that the student satisfactorily pass the Graduate Record Exam during the first semester of enrollment.

3. An incoming student, not having Historical Research (Hist 3930) or its equivalent, must take Hist 3930 on a non-graduate credit basis.

4. As stipulated by the Graduate College, students must take the general aptitude test of the Graduate Record Exam during the first semester of enrollment.

M.A. Program with Thesis (Option I)

The program for the Master of Arts degree (Option I) will usually be arranged to conform to the following general patterns:

1. 24 semester hours of approved graduate courses in History, of which 9 must be in courses open only to graduate students (0 series). No more than 6 hours of credit may be taken by a student under courses numbered 8010.
2. In either program of study, a thesis, not to exceed 6 semester hours in independent study credit, is required under the direction of the major advisor.

M.A. Program without Thesis (Option II)

1. Under this plan the student may earn a Master of Arts degree by completing successfully thirty-six (36) hours of coursework, at least half of which must be earned in courses open only to graduate students (0 series). No more than 6 (six) credit hours may be taken by a student under courses numbered 8010.
2. In addition to showing broad competency in history, the candidate must give proof of research ability and proficiency in writing. This normally will be done in research seminars and independent research projects.
3. While there is no requirement for a minor in some field other than history, the student may elect to take a minor in some other field, such minor to consist of no less than six graduate hours.
3130/8135 American Colonial History (3) A study of the background, settlement, and development of the American colonies. Prereq: For 3130, junior standing or permission of the instructor. 3160/8165 The American Frontier: 1800-1860 (3) A study of the development of the Rocky Mountain Fur Trade days to the disappearance of the fur trade around 1800. Prereq: For 3160, junior standing or permission of the instructor.

3330/8335 American Diplomatic History (3) A history of the foreign relations of the United States since 1776. Prereq: For 3330, junior standing or permission of the instructor. 3340/8415 History of Nebraska (3) From the earliest Indian control to the present. Prereq: For 3340, junior standing or permission of the instructor. 3340/8435 History of The South (3) Economic, social, and political development of the south as a region. Prereq: For 3340, junior standing or permission of the instructor. 3853 Medieval Europe (3) An examination of medieval European history with emphasis upon social and political developments. Prereq: For 3853, junior standing or permission of the instructor or the chairperson of the Graduate Program Committee. 3864 History of The British Empire and Commonwealth (3) Britain in America, Africa, India and the Commonwealth. A study of the development of a dependent empire and transformation into independent sovereign states and the representative of the minor field, if such field is selected) must be members of the Graduate Faculty.

PROCEDURE FOR COMPREHENSIVE EXAMINATION FOR NON-THESIS MASTER OF ARTS CANDIDATES IN HISTORY

1. Early in the semester the candidate expects to take the degree, he/she must make arrangements with the chairperson to take the comprehensive written examination. This examination will be given three times during the year: during the eleventh week of the fall semester, during the eleventh week of the spring semester, and during the second week of the first summer session.

2. The examination in history will consist of two parts, one devoted to the major area, and one to the minor area of study.

   a. If the major area of study is European/English history, the examination will be comprehensive, covering the specific courses taken for the minor. If the major area is American history, the examination will be of three hours duration. The minor area examination will be of three hours duration.

   b. If the major area of study is American history, the examination will be comprehensive, covering two to three-hour segments, with the remaining two segments normally following the breaking point of the American history survey (History 1110-1120) course. The major portion of the examination will be over the specific minor courses taken, and will be of three hours duration.

   c. If the candidate offers an outside minor, the minor department and advisor will be consulted in choosing the minor for the minor area of study.

3. The reading committee will consist of the sponsor and one other graduate faculty member expert in the major area. The readers for the minor area will be the instructors of the courses offered in the minor area. The selection of the second reader shall be made by the sponsor and candidate. Both readers of the major and all readers of the minor area must agree that the candidate has completed all of the requirements for which they are responsible. With the agreement of a third reader as a mediator, and the result he/she supports will be the result of the examination.

4. The examination committee designates the reading committee and will select three items to appear on the examination, and determine the number of essays to be written. The candidate will have a choice of questions on examination day.

   a. The examination has been administered and graded, the secretary has forms to be filled out by the sponsor, signed by the Graduate Program Committee chairman, and sent to the Dean for Graduate Studies and Research, certifying the candidate for conferral of the degree.

   b. In the event of failure of either all or a portion of the comprehensive examination at least four (4) months shall elapse before the examination in whole or in part may be retaken. Any reexamination following the initial failure.

   c. In no event shall a student be permitted to take all or a portion of the comprehensive examination more than twice.

The preparation for a comprehensive examination (or reexamination), students should be cognizant of the six-year limit for completion of degrees as set forth by the College for Graduate Studies and Research.

83 DEGREE REQUIREMENTS

HISTORY 83

5. Whether or not the student elects a minor in an outside field, he/she shall maintain a reasonable balance between American and non-American fields in history.

6. When the student initially enrolls, he/she shall, in conference with the chairperson of the Graduate Program Committee of the Department of History, choose his/her advisor. The chairperson of the Graduate Program Committee shall, after consultation with the candidate, make an appointment to the examina­

7. The written comprehensive examination will be selected from topics considered for the degree as set forth by the Graduate Program Committee. The written comprehensive examination will be given three times during the year: during the eleventh week of the fall semester, during the eleventh week of the spring semester, and during the second week of the first summer session.

8. The examination in history will consist of two parts, one devoted to the major area, and one to the minor area of study.

   a. If the major area of study is European/English history, the examination will be comprehensive, covering the specific courses taken for the minor. If the major area is American history, the examination will be of three hours duration. The minor area examination will be of three hours duration.

   b. If the major area of study is American history, the examination will be comprehensive, covering two to three-hour segments, with the remaining two segments normally following the breaking point of the American history survey (History 1110-1120) course. The major portion of the examination will be over the specific minor courses taken, and will be of three hours duration.

   c. If the candidate offers an outside minor, the minor department and advisor will be consulted in choosing the minor for the minor area of study.

3. The reading committee will consist of the sponsor and one other graduate faculty member expert in the major area. The readers for the minor area will be the instructors of the courses offered in the minor area. The selection of the second reader shall be made by the sponsor and candidate. Both readers of the major and all readers of the minor area must agree that the candidate has completed all of the requirements for which they are responsible. With the agreement of a third reader as a mediator, and the result he/she supports will be the result of the examination.

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   a. The examination has been administered and graded, the secretary has forms to be filled out by the sponsor, signed by the Graduate Program Committee chairman, and sent to the Dean for Graduate Studies and Research, certifying the candidate for conferral of the degree.

   b. In the event of failure of either all or a portion of the comprehensive examination at least four (4) months shall elapse before the examination in whole or in part may be retaken. Any reexamination following the initial failure.

   c. In no event shall a student be permitted to take all or a portion of the comprehensive examination more than twice.

The preparation for a comprehensive examination (or reexamination), students should be cognizant of the six-year limit for completion of degrees as set forth by the College for Graduate Studies and Research.

83 DEGREE REQUIREMENTS

HISTORY 83

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7. The written comprehensive examination will be selected from topics considered for the degree as set forth by the Graduate Program Committee. The written comprehensive examination will be given three times during the year: during the eleventh week of the fall semester, during the eleventh week of the spring semester, and during the second week of the first summer session.
8616 Tudor and Stuart England (3) A study of England under the Tudors when the English people solidified the monarchy and experienced a golden age, and a study of the turbulent Stuart period and the westward expansion. 4620/4626 English History: From Empire to Welfare State (3) A study of the change and development of welfare states in Great Britain from the late 18th century to 1918.

4770/4776 Europe in Crisis: 1890-1932 (3) A study of the conditions and forces immediately preceding World War I, the war itself, the peace following the war, and the rise of the modern dictatorships. Prereq: For 4770, junior standing or permission of the instructor.

4780/4786 Europe in The Global Age: 1933 to The Present (3) A study of the ever increasing tensions between the Fascist and Communist dictatorships and the western democracies, World War II, the resultant dislocation of power and the rearrangement of the balance of terror. Prereq: For 4780, junior standing or permission of the instructor.

8910 Advanced Research Project in History (1.11-S) Special problems in advanced research in history, arranged individually with graduate students. There is a 6-hour limit for both the thesis and non-thesis projects. Prereq: 15 graduate credits (including 2 seminars). Permission of the instructor.

9100 Seminar in History Readings and research in selected topics of history. 8990 Thesis Project written under supervision of an advisor.

MATHMATICS

PROFESSORS: Buchalter, Downey, Downing, Gessaman, Konvalina, Maloney, Stephens

ASSOCIATE PROFESSORS: Heidell, Wileman

Admission Requirements: Admission to a degree program is based on evidence of mathematical ability. An applicant is usually expected to have completed fifteen acceptable credits in undergraduate mathematics beyond Calculus, and to have an overall average of B or better during the last two undergraduate years. In some cases where the above criterion is not met, a provisional admission may be granted provided the applicant is willing to take some preliminary coursework that will not apply toward the degree.

Master of Science

To obtain the Master of Science degree, the student must:

a. Earn a total of at least 36 credits in Mathematics, at least 24 of which must be in Mathematics.

b. Complete 9 Mathematics courses which carry a number of 8000 or above and at least 18 credit hours that carry a number of 8000 or above.

c. Maintain a "B" average in all of his or her work with no grade lower than a "C," and no more than two grades of "C".

d. Pass a written comprehensive examination.

e. If a student wishes, they may take up to 12 hours of graduate work in Physics or Computer Science. All such courses taken as part of a degree program must be explicitly approved by the Graduate Program Committee.

Master of Arts

To obtain the Master of Arts degree, the student must:

a. Earn a total of 30 credits in Mathematics.

b. Complete a thesis not to exceed 6 semester hours, which may be applied toward the 30-hour total.

c. Complete the requirements of b, c, and d above.

Master of Arts for Teachers of Mathematics (M.A.T.)

This is a specialized degree designed to provide secondary school mathematics teachers with more depth in mathematics combined with a core of relevant professional courses in education. It also provides those who are certified teachers to receive some graduate credits while fulfilling requirements for certification in mathematics as an additional field.

Admission Requirements for M.A.T. degree:

A student meeting the following conditions will be admitted to the M.A.T. program:

1. Has state certification for teaching secondary school mathematics.

2. Has maintained at least a B average in previous mathematics courses including two courses beyond elementary calculus.

3. has completed a bachelor's degree certifying them to teach in grades 7-12 and who want to add mathematics to their credentials will be admitted provisionally to the M.A.T. Program upon completion of Math 1500, Math 1505, Math 1570 and Math 1580 with a GPA of 3.0 or better.

Plans of study available with the M.A.T. degree:

Three different plans of study are available leading to the M.A.T. degree. All of them require 36 semester hours of graduate credit, with at least 24 of these courses offered by the Department of Mathematics/Computer Science and at least 9 in courses offered by Secondary/Post-Secondary Teacher Education. The three plans are:

(1) Mathematics Option: Student selects 3 courses in Mathematics 8000 level or above.

(2) Mathematics Option: Student selects 3 courses in Mathematics 8000 level or above.

(3) Computer Science Option: Student selects 3 courses in Computer Science at the 8000 level or above.

Other Requirements for M.A.T. degree: A student must maintain a B average in all coursework with no grade lower than a C, and no more than two grades of C. In addition, all students will be required to pass a comprehensive exam covering the courses in the program. Specific details for this exam may be obtained from the advisor.

Computer Science

3110/3115 Information Systems Analysis (3) Decision-making processes, system life cycle, looping and information systems. Prereq: CS 1510 or 1520.

3120/3125 System Design and Implementation (3) Principles and techniques of the design and implementation of information systems. Hardware and software selection and evaluation. Prereq: CS 2310 and 3320.

3220/3225 Programming Methodology (3) The study of software development and quality including correctness, efficiency, and psychological factors of programs and programming. Prereq: Math/CS 2030 (formerly CS 2350).

3300/3305 Numerical Methods (3) Solving equations and systems of equations, interpolation, numerical differentiation and integration, numerical solutions to ordinary differential equations, numerical solution of discrete optimization problems including transshipment, the simplex method, duality, and obtaining an initial basic feasible solution. The dual and revised simplex methods. Parametric Linear Programming, sensitivity analysis, modeling and interpreting LP packages. Same as Math 3305. Prereq: Math/CS 2030 and one of CS 1510, Math 1505.


3420/3425 Linear Programming (3) Theory of the simplex method, duality, and obtaining an initial basic feasible solution. The dual and revised simplex methods. Parametric Linear Programming, sensitivity analysis, modeling and interpreting LP packages. Same as Math 3430. Prereq: Math/CS 2030 and one of CS 1510, Math 1505.


4500/4505 Operating Systems (3) Operating System principles. The operating system as a re...
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source manager; I/O programming, interrupt programs and microprogramming architecture as it relates to resource management; Memory management techniques for real-time and microprogrammed systems; Process description and implementation techniques; Protection and resource management; File systems; Operating system implementation for large and minicomputer systems. Prereq: Math 2310 and CS 3320. CS 4350 is recommended.

4510/8516 Advanced Topics in Operating Systems (3) Advanced Topics in Operating Systems. State of the art techniques for operating systems, including memory management, scheduling, implementation of specific operating systems. Prerequisite: an undergraduate course in operating system design, implementation, and use. Prereq: CS 4500.


4786 Stochastic Modeling (3) Theory and construction of probabilistic models including Markov chains, Poisson Processes, renewal theory and queuing systems. Same as MATH 8760. Prereq: Math 3230.

4900 Information Organization and Retrieval (3) Introduction to language processing as related to the design and operation of automatic information systems, including techniques for organizing complex information, and retrieving structured and unstructured information on digital computers. Prereq: CS 3320 (CS 3450 recommended).

5670 Algorithmic Combinatorics (3) Classical and modern techniques of combinational mathematics including counting, generating functions, and graph theory. Prereq: CS 3320 and Math 8650.


5820 Advanced Numerical Methods II (3) Solutions to equations, approximation, numerical methods to boundary value problems, numerical solutions of partial differential equations. Same as Math 8820. Prereq: Math/CS 5810C.

5830 Advanced Topics in Optimization (3) Topics selected from integer programming methods, optimization under uncertainty, constrained and unconstrained search procedures, dynamic programming, variational methods and optimization. Prereq: Math 3500 and 3500 (for credit with permission of Graduate Advisor. Same as Math 4830. Prereq: Math/CS 8830.

5850 Data Base Design and Organization (3) Introduction to objectives of computer databases, how databases can be met by various logical designs, and how these designs are physically rep-resented. Prereq: CS 3320 (CS 3450 recommended).

8990 Independent Graduate Studies (1-3) Under this number a graduate student may pursue a vector analysis, study of text or materials, or pursue a problem in a formal course. The topics to be studied will be selected in advance or be arranged with the instructor of the course. The course will be repeated for credit with permission of the instructor. Prereq: MATH/CS 2030, MATH 1970.

8950 Data Base Design and Organization (3) Review of sets, relations and functions. Semigroups, groups, rings, unique factorization domains. Graphs, trees, and hypergraphs. Applications include coding theory, linear machines and finite automata. Prereq: Math/CS 2030.

4110/4120/8116-8120 Abstract Algebra (Each) An advanced undergraduate (beginning graduate) course in abstract algebra to include: groups, rings and the Sylvester method for linear equations. Permitted by the Chairperson. Prereq: Permission of Instructor and grade classification.

Mathematics


4110/4120/8116-8120 Abstract Algebra (Each) An advanced undergraduate (beginning graduate) course in abstract algebra to include: groups, rings and the Sylvester method for linear equations. Permitted by the Chairperson. Prereq: Permission of Instructor and grade classification.


8400/8405 Linear Programming (3) Theory of the simplex method, duality, and obtaining an In-feasible solution. The dual and revised simplex methods. Parametric Linear Programming, Sensitivity analysis, and computing the LP package. Same as Math 8400. Prereq: Math/CS 2030 and one of Math 1820, 1860, or 1820.


8410/8415 Introduction to the Foundations of Mathematics (3) Logic, the axiomatic method, properties of axiom systems, set theory, cardinality, and integers. The student must present, for credit, construction of the real number system, historical development of the number system, and elementary theory of the number system. Prereq: Math 3230 or Math/CS 2030.

8410/8415 Introduction to the Foundations of Mathematics (3) Logic, the axiomatic method, properties of axiom systems, set theory, cardinality, and integers. The student must present, for credit, construction of the real number system, historical development of the number system, and elementary theory of the number system. Prereq: Math 3230 or Math/CS 2030.

8450 Calculus of Variations (3) An introduc-tion to a field devoted to another disciplines that have problems, such as the brachistochrone problem for curves of shortest time, same as Math 4810. Prereq: Math 3230.

8500 Applied Complex Variables (3) Applications of complex variable to other disciplines such as engineering problems, such as the brachistochrone problem for curves of shortest time, same as Math 4810. Prereq: Math 3230.

8510/8520 Complex Analysis (Each) An introduction to complex variable theory, to the Fourier and Laplace transforms, and to other topics such as orthogonal polynomials, numerical quadratures, number theory, etc. Prereq: Math 4270.

8610 Introductory Topology I (3) Elements of topology, connectedness, compactness. Prereq: Math 3230.


8690 Operations Research (3) Linear programming, transportation, assignment and game theory, queuing theory, statistical decision theory, Markov chains, and applications. Prereq: Math 3230.

8760 Mathematical Statistics (3) Introduction to probability and mathematical statistics I (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8710/8720 Mathematical Statistics I (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8710/8720 Mathematical Statistics I (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8720/8730 Mathematical Statistics II (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8760 Mathematical Statistics (3) Introduction to probability and mathematical statistics I (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8710/8720 Mathematical Statistics I (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8720/8730 Mathematical Statistics II (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8710/8720 Mathematical Statistics I (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8720/8730 Mathematical Statistics II (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.

8710/8720 Mathematical Statistics I (3) Theory and methods of statistical inference including probability, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation. Prereq: Math/CS 3300.
The department requires the GRE or MAT tests, as well as several music diagnostic exams which are outlined in Master of Music Handbook.
includes a study of music reference and research. Graduate students will not only be expected to participate in classes and workshops with visiting artists and in- tensive performance by the students themselves. To be repeated one time. Prereq: Audition and permission.

8200 Guitar (1-3)
8210 Piano (1-3)
8220 Voice (1-3)
8230 Violin (1-3)
8240 Viola (1-3)
8250 Violoncello (1-3)
8260 Bass Viol (1-3)
8270 Flute (1-3)
8280 Oboe (1-3)
8290 Clarinet (1-3)
8300 Bassoon (1-3)
8310 Saxophone (1-3)
8320 Trumpet (1-3)
8330 French Horn (1-3)
8340 Baritone Horn (1-3)
8350 Trombone (1-3)
8360 Tuba (1-3)
8370 Pipe Organ (1-3)
8380 Percussion (1-3)
8390 Harp (1-3)

8460 Analytical Techniques This course will study the major theoretical techniques developed in such important works as Schoenbergs, Hindemiths, Britten, and Stravinsky. Emphasis will be on the works of these and other composers. Prereq: Graduate standing and permission.

8600 Pedagogy of Theory (3) Designed to introduce teachers to the techniques and problems of teaching music theory in elementary and secondary schools and colleges. This course will be completed through a variety of methods to include a review of textbooks, teaching, and research. Prereq: It is expected that students have completed or are currently completing a music degree program and have permission of the instructor.

8700 Conducting Practicum (3) Private instruction in conducting problems of the various disciplines in music and their relationship to the art of conducting. This course may be repeated for credit. Prereq: Students with a choral emphasis: Music 3640 and 6360. Students with instrumental emphasis: Music 3630 and 8630.

8750 Advanced Instrumental Conducting (3) Study of advanced conducting problems and orchestral literature and techniques for their solution. Prereq: Music 2600 and 3630 or equivalent.

8769 Advanced Choral Conducting (3) Designed to conduct problems of the singing group and orchestral problems of conducting. Prereq: Music 2630 or equivalent.

8790 Recital (3) This course includes a study of music reference and research materials. Basic procedures and tools of investi- gative studies are taught, culminating in a research project. Prereq: Graduate level standing and permission.

8800 Music Workshops in Music Education (1-3) Seminars and workshops in music and music education for the graduate student and the college teacher. Prereq: Permission of Graduate Director.

8930 Research in Music Education (3) A study of research techniques and literature in music and music education toward the objectives of reading and evaluating music education research and doing independent work in the area. Prereq: Graduate Standing and Permission.

8940 Foundations of Music Education I (3) A study of philosophical and sociological foundations of music education through attention to current sociological trends and philosophies of art. Prereq: Graduate standing.

8950 Foundations of Music Education II (3) A course that presents in detail the sociological foundations of music education through attention to relevant topics in the psychology of music and learning theory and through relevant readings in the history of music education. Prereq: Graduate standing.

90 DEGREE REQUIREMENTS

9990 Thesis (3) Prerequisite: A written proposal for the recital and related written project must be approved by the appropriate departmental committee. 

8990 Thesis (3) The purpose of this course is to allow the graduate student to develop a substantive thesis which employs and mirrors research or original thought of a quality and quantity appropriate to advanced work in music education. The course will be handled on an individual study basis with aid and consultation from a faculty thesis advisor and theses committee. Method of grading will be a designation of satisfactory or unsatisfactory. Permission of Graduate Committee and twenty-four (24) hours of graduate course work completed.

POLITICAL SCIENCE

PROFESSORS: Camp, Rowan, Meneder
ASSOCIATE PROFESSORS: Bacon, Chung, Farr, J. Johnson, B. Kolasa

Admission Requirements: An applicant for admission to the Master of Arts or Master of Science program must have completed at least one full semester hours of graduate coursework in Political Science or equivalent as determined by the departmental Graduate Admissions Committee. The Graduate Admissions Committee reserves the right to determine whether or not an undergraduate admission the applicant must have at least a B average in undergraduate political science coursework and must satisfy the Graduate College GRE requirements. In addition, the department requires two letters of recommendation from persons who are qualified to evaluate the applicant's potential for graduate studies before an applicant can be considered for unconditional admission.

Master of Arts

Degree Requirements: The program is intended for those who expect to pursue a doctoral degree. The student must satisfactorily complete thirty semester hours, twenty-four of coursework and six of thesis supervision. Students must maintain a B (3.0) average in their coursework, not receiving more than one C. The thesis is expected to be a major piece of scholarship. From the foundations of Political Theory, American Politics, Comparative Politics and International Politics, the student will select an emphasis in two areas. Twelve hours of coursework in each major field are required. The student must complete a minimum of twelve hours in the major area coursework in elective and may take cognate electives in other areas. Of the twenty-four hours of coursework twelve hours must be at the "O" level, including 8000 (Research Methods). The student will write comprehensive examinations in the two emphasized fields and a oral defense of the thesis.

Master of Science

Degree Requirements: This advanced non-thesis program is specifically designed to enhance career goals in the public service, education and business fields. Thirty-six hours of coursework are required with at least one semester hours of junior standing. Students must maintain a B (3.0) average in their coursework, not receiving more than one C. Degree candidates must pass written comprehensive examinations covering their areas of study. The aim is to tailor each student's program to fit his or her personal or career interests.

4030/8036 The Presidency (3) The rise of the institution from Washington to the present, to the position and prestige it has attained and how the present presidency is determined, and the presidents' role in the American political system. Prereq: For 8126, junior standing.


1419/1816 Constitutional Law: Civil Liberties (3) Analysis of the procedures of public opinion formation and change, the relationship between public opinion and democratic processes, and the effects of public opinion on the functioning of the political system. Prereq: For 8126, junior standing.

1420/1826 Public Opinion and Political Behavior (3) An analysis of the procedures of public opinion formation and change, the relationship between public opinion and democratic processes, and the effects of public opinion on the functioning of the political system. Prereq: For 8126, junior standing.
Institutional law as it pertains to civil liberties. Emphasis on 1st, 4th, 5th, 6th, 8th, 13th, 14th, and 15th Amendment cases.

4200/8206 International Politics of Asia (3) Analysis of contemporary relations among the Asian nations as well as their interactions with the great powers: emphasis on the forces and issues which influence the international system of Asia. Prereq: For 4210, junior standing.

4210/8216 Foreign Policy of The U.S.S.R. (3) A study of the foreign policy of the U.S.S.R., with emphasis on developments since 1945. Internal and external influences on Soviet foreign policy, the processes of foreign policy making, and the relations among members of the communist party. Prereq: For 4210, junior standing.

4250/8256 Inter-American Politics (3) Analysis of the role of Latin American states in the international political arena. Emphasis upon developments since 1945, especially the external influences and the foreign policies of Latin American states. Prereq: For 4250, junior standing.

4310/8316 Political Philosophy I (3) Textual analysis of leading works of classical political philosophy. Plato and Aristotle. Prereq: For 4310, junior standing.


4330/8336 Political Philosophy III (3) Textual analysis of leading works of later modern political philosophers: Burke, Mill, Marx. Prereq: For 4330, junior standing.

4350/8356 Democracy (3) A basic study of the theory, practice and practitioners of political democracy, its roots, development, present application and problems and future. Prereq: For 4350, junior standing.

4360/8366 Dictatorship (3) A basic study of theory, practice and practitioners of political despotism, its roots, development, major 20th century application and threats to man. Prereq: For 4360, junior standing.

4370/8376 Communism (3) The Marxist message, its use as an impulsion to political power, its worldwide extension, and the threats it poses for the world in the hands of the Soviet Union and others. Prereq: For 4370, junior standing.

4380/8386 Government and Politics of Great Britain (3) A comprehensive study of British government. Emphasis will be focused on the formal institutions and informal customs and practices of the British political system. Prereq: For 4380, junior standing.

5526 Politics in France (3) An examination of the French political heritage, contemporary political institutions and problems, and political party responses to these problems. Prereq: Graduate student.

4920/8926 Topics in Political Science (3) A seminar on selected topics based upon analysis of the literature of political science and/or primary source materials. Prereq: For 4920, junior standing or approval of the instructor.

8000 Seminar in The Research Methods of Political Science and Public Administration (3) A critical investigation of the methods of data collection and analysis for political science and public administration research. Prereq: Permission of the graduate advisor. (Also listed under public administration)

8040 Seminar in American Government and Politics (3) A thorough analysis of selected aspects of the structure and function of the American political system with emphasis on the role of political parties. Prereq: Permission of graduate advisor.

8150 Seminar in Public Law (3) Practical methods of research as applied to specifically selected problems in the field of public law. Emphasis will be placed on the role of the courts and the legal process in the administration of public policies and programs. Prereq: Permission of graduate advisor.

8200 Seminar in International Politics (3) An examination of the theoretical frameworks advanced for the systematic study of international relations, with application to particular problems in international relations. Prereq: Permission of graduate advisor.

8300 Seminar in Comparative Politics (3) An examination of the theories and literature of the field of comparative politics, with evaluation of the theories by application to contemporary political systems. Prereq: Permission of graduate advisor.

8500 Seminar in Comparative Politics (3) An examination of the theories and literature of the field of comparative politics, with evaluation of the theories by application to contemporary political systems. Prereq: Permission of graduate advisor.

8800 Independent Study in Topics of Urban Community (1-2) Graduate student research on an individual basis. Prereq: Permission of graduate advisor. (Also listed under public administration.)

8830 Interdisciplinary Seminar On Issues of Urban Community (1-2) Graduate student research on an individual basis. Prereq: Permission of graduate advisor. (Also listed under the supervision of a graduate advisor in the Department of Political Science, in which the student establishes his capacity to design, conduct, and complete an independent, scholarly investigation of a high order of originality. The research topic and the completed project must be approved by the student's departmental committee. Prereq: Permission of graduate advisor.

PROFESSIONAL ACCOUNTING

ASSOCIATE PROFESSORS: Bean, Bachmann, Trussell

ASSOCIATE PROFESSORS: Otman

Objectives of the MPA Program

The primary objective of the Master of Professional Accounting degree program is to provide a graduate level educational experience as a basis for a career in professional accounting. Students with or without undergraduate degrees in accounting may be admitted to this program. The program provides a broad-based preparation for individuals seeking careers in public, private, or not-for-profit organizations. By choosing specific elective courses, however, individuals desiring a particular career path may pursue some specialization.

The MPA program is designed for dedicated students with career aspirations demanding a high level of government service in accounting. As such, the program involves both intensive and extensive professional preparation. It requires an intensive analysis of the accounting discipline while providing an extensive base in the economics, technological aspects, and quantitative methods, principles, and concepts for the advanced student. The program also provides a foundation for a career in a professional subject to rapid changes as it adjusts to meet the needs of an increasingly complex business environment. Upon completion of the program, the student will have the skills to solve the following professional examinations: Certified Public Accountant (CPA), Certificate in Management Accounting (CMA), and Certified Internal Auditor (CIA).

Program of Study

The first year of the MPA program focuses on the Common Body of Knowledge as defined by the AASB and sufficient undergraduate accounting preparation to pursue graduate education. These courses may be waived upon satisfactory evidence of prior preparation. In the second year, students complete a core of required courses in accounting and the supporting courses. In consultation with an advisor, electives may be selected to meet a student's specific career goals. The program does not require a thesis or comprehensive examination, but a thesis may be elected.

Admission Requirements

All applicants must meet the requirements of the Graduate School as stated in the Graduate Catalog. Applicants must submit a completed application, official copies of all transcripts and results of the Graduate Management Admission Test (GMAT) prior to admission to the program. Although other factors are considered, the general admission formula is:

GMAT (minimum 450) + (200 x Upper Division GPA) = 1070

Foreign students must provide letters of recommendation, statements of financial independence, and evidence of ability to speak and write the English language. The baccalaureate degree must have been received from an institution accredited by the proper accrediting agency.

Foundation Courses* (30 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acc 8110</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>Acc 8123</td>
<td>Business Law Survey</td>
</tr>
<tr>
<td>Acc 8150</td>
<td>Survey of Mgmt. Thought</td>
</tr>
<tr>
<td>Acc 8169</td>
<td>Quantitative Survey</td>
</tr>
<tr>
<td>Acc 8170</td>
<td>Foundations of Economics</td>
</tr>
<tr>
<td>Acc 8180</td>
<td>Cost Accounting</td>
</tr>
<tr>
<td>Acc 8190</td>
<td>Principles of Auditing</td>
</tr>
</tbody>
</table>

Note: Some or all of these courses may be varied based upon evidence of satisfactory undergraduate preparation or equivalent experience.
MAJOR OF PROFESSOR ACCOUNTING* (36 total semester hours)
Required Accounting Courses (9 hrs.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 8120</td>
<td>Accounting Theory</td>
</tr>
<tr>
<td>ACC 8230</td>
<td>Controllership</td>
</tr>
<tr>
<td><strong>ACC 8250</strong></td>
<td>Seminar in Accounting</td>
</tr>
</tbody>
</table>

Accounting Electives (9 hrs.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 8016</td>
<td>Advanced Accounting</td>
</tr>
<tr>
<td>ACC 8046</td>
<td>Federal Taxation of Corporations &amp; Partnerships</td>
</tr>
<tr>
<td>ACC 8076</td>
<td>Accounting for Not-For-Profit Organizations</td>
</tr>
<tr>
<td>ACC 8096</td>
<td>Financial Auditing</td>
</tr>
</tbody>
</table>

Required Tools Course (12 hrs.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 8100</td>
<td>Quantitative Analysis</td>
</tr>
<tr>
<td>BA 8100</td>
<td>Managerial Economics</td>
</tr>
<tr>
<td>BA 8200</td>
<td>Financial Management</td>
</tr>
<tr>
<td>BA 8800</td>
<td>Policy, Planning &amp; Strategy</td>
</tr>
</tbody>
</table>

Other Electives (6 hrs.)

In consultation with the MPA director, six (6) hours of additional graduate work must be selected.

Other Requirements

1. A maximum of 6 hours of "D" level courses may be included in the graduate program of study.
2. All Foundation courses should be completed with a minimum grade of "C" before registering for graduate courses. Exceptions should be approved by the MPA Director.
3. Students are also subject to all policies and procedures of the Graduate College as stated in the Graduate Catalog.
4. Students must earn a minimum grade of "B" in BA 8800 to successfully complete the course as a graduation requirement.

*All courses are three semester hours.
**The content of this course will change with each offering so that it may be repeated up to 9 hours.

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4010:8046 Federal Taxation of Corporations and Partnerships (Analysis of the fundamental area involvings the federal income taxation of corporations; corporate shareholders; and partnerships. Prereq: ACC 3020 or equivalent.)

4070:8076 Accounting for Not-for-Profit Organizations (A study of the budgeting process, accounting techniques, reporting requirements, and an analysis of characteristics of not-for-profit organizations. Prereq: ACC 2200.)

4090:8096 Financial Auditing (Professional standards and ethics issues of independent public accountants are studied. Auditor responsibilities, evidence gathering and evaluation, and reporting obligations are emphasized. Prereq: ACC 3080.)


8220 Federal Estate and Gift Taxation (Analysis of the federal income taxation of estates, trusts, and their beneficiaries; wealth transfer taxes, basic concepts of international taxation and other business related taxes. Prereq: ACC 3020 or equivalent.)

8230 Controllership (An analysis of the concepts and techniques of the Controllership function with emphasis on tactical and strategic planning and control. Prereq: ACC 3050 and DS 2130.)

8250 Seminar in Accounting (A study of a specific area within the accounting discipline. Possible areas include: auditing, financial, managerial, systems and tax. May be repeated up to a maximum of nine (9) hours. Prereq: ADM 3090 or its equivalent and graduate standing.)

8290 Tax Research and Planning (This course is designed to supply students with a working knowledge of the methodology applied in solving both routine and complex tax problems. Familiarity with the techniques will be gained through text material, periodic articles, and application. Prereq: Acc 3020 or its equivalent and graduate standing.)

8900 Independent Research (Individual research supplementing graduate study in a specific area within the Accounting discipline. May be repeated to a maximum of six hours. Prereq: Admission to Masters of Professional Accounting Program and approval of written proposal.)

910 Special Topics in Accounting (A variable content course with accounting topics selected in accordance with student and faculty interest. May be repeated to a maximum of six (6) hours. Prereq: Permission of Instructor.)

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PROFESSIONAL ACCOUNTING

PSYCHOLOGY

PROFESSORS: Becker, E. Brown, Defenbacher, Hanner, Hendricks, Lavois, Millimet, Newton, Peck, Wlcek, R. Woody

ASSOCIATE PROFESSORS: Finster, Hansen, Harrison, G. Simpson, Thomas

ASSISTANT PROFESSORS: Callier, French

ADJUNCT FACULTY: Robinson, Rodriguez-Sierra, Strider, W. Wood

COURTESY FACULTY: Angle, Berry, Bux, Fin, Gard, Horney, Lautbooth, Madison, McKinney, Robinson, Rodriguez-Sierra, Snider, W. Wood

Admission Requirements: A minimum of 15 undergraduate semester hours of psychology courses including Psych 101, 102, 103, 204, and an upper level laboratory course emphasizing the experimental method, data collection, statistical analysis, and report writing. Graduate Record Examination scores on the verbal, quantitative, and psychology sections. The Advanced GRE in psychology is not required for admission to the Master's program, but is required of students who are apply for a graduate assistantship and/or the Ph.D. program. Although the advanced GRE is not required for admission to the Masters of Professional Accounting program, a score of 600 on it is required for passing the comprehensive examination and may be achieved at any time (either before or after admission).

The evaluation of admission for all students applying to the Master's program is based primarily on the GRE scores obtained in the last two years of undergraduate GPA (and any graduate coursework completed since graduation) with the average grade point and the GRE score being weighted in the final determination of admission. If the GRE score is below 600, an alternate score must be obtained before submitting the application. A score of 600 on the GRE is required for passing the comprehensive examination.

Letters of recommendation are not required. However, applicants who believe that such letters would provide information that is important and not clearly communicated in other documentation may request that three letters of recommendation be submitted in their behalf. Three letters of recommendation are required of those applicants who are seeking a departmental graduate assistantship or are applying to a post-masters program.

COMPREHENSIVE EXAMINATION — MASTER'S DEGREE PROGRAM: The comprehensive examination must be completed before a student can enroll for thesis credit or form a thesis committee. The examination for the Master of Arts and Master of Science degrees consists of two parts:

1. The advanced GRE subject test in Psychology on which the student must score at least 600. This test is administered several times each year, and the test booklets are available at the Office of Graduate Studies. Students are expected to complete this exam requirement as soon as possible after their admission to the M.A. or M.S. program. (Completion of the required four proseminars (one from each proseminar group) with a grade of B or higher in each proseminar.

2. A study of the budgeting process, accounting techniques, reporting requirements, and an analysis of characteristics of not-for-profit organizations. Prereq: Accounting 3040, Intermediate Accounting I.)

3. A study of the budgeting process, accounting techniques, reporting requirements, and an analysis of characteristics of not-for-profit organizations. Prereq: Accounting 3040, Intermediate Accounting I.)


5. A study of the budgeting process, accounting techniques, reporting requirements, and an analysis of characteristics of not-for-profit organizations. Prereq: Accounting 3040, Intermediate Accounting I.)

6. A study of the budgeting process, accounting techniques, reporting requirements, and an analysis of characteristics of not-for-profit organizations. Prereq: Accounting 3040, Intermediate Accounting I.)

7. A study of the budgeting process, accounting techniques, reporting requirements, and an analysis of characteristics of not-for-profit organizations. Prereq: Accounting 3040, Intermediate Accounting I.)

8. A study of the budgeting process, accounting techniques, reporting requirements, and an analysis of characteristics of not-for-profit organizations. Prereq: Accounting 3040, Intermediate Accounting I.)

IV. A. Psychology 9430 (Proseminar in Personality)

B. Psychology 9440 (Proseminar in Social Psychology)

The student must choose one course from each of the following four groups. These courses must be completed within the first 16 hours of graduate work.

I. A. Psychology 9410 (Proseminar in Learning)

B. Psychology 9500 (Proseminar in Development)

II. A. Psychology 9100 (Proseminar in Analysis of Variance)

B. Psychology 9110 (Proseminar in Regression and Correlation)

III. A. Psychology 9040 (Proseminar in Personality)

B. Psychology 9400 (Proseminar in Social Psychology)

The student must earn a grade of at least B in the four required proseminars. If either a C+ or an unexcused withdrawal (W) is recorded in a proseminar this course or its pairmate must be retaken and completed with a grade of B or greater. Should two or more proseminars become a matter of record at any point in time (even if the initial C or has been improved upon subsequently) the student will be dismissed from the program. This rule applies to the complementary group of proseminars only. However, the accumulation of any three C's or a D or an F in any graduate course on the student's plan of study will also result in dismissal. A dismissed student may appeal to the Graduate Program Committee for reconsideration of readmission.

The remainder of the student's coursework is elective, but must be planned in consultation with the academic advisor, in order to meet the individual needs and interests. Psychology 8003 is a non-credit
Degree Requirements

PSYCHOLOGY

Course intended to familiarize the beginning graduate student with the profession of psychology and is required of all graduate students. The student may emphasize one of the following areas: quantitative, physiological, general experimental, social, personality, developmental, educational, and industrial/organizational psychology. Final determination of a student’s plan of study always resides with the advisor and the department. To meet the graduate program’s course requirements, a student must take at least half of the work in courses which are open only to graduate students.

Master of Science

To complete the M.S. with a major in industrial/organizational psychology or the M.S. with a major in educational psychology, the student must present 36 hours of graduate coursework in psychology. The M.S. degree has the same prerequisite requirement as the M.A., and all courses are the same in both degree programs, as well as the requirement of Psychology 8000. Requirements for admission to the programs may be designated by the department. This will ordinarily include up to 3 hours of practicum credit. Final determination of a student’s plan of study always resides with the advisor and the department. To meet the graduate studies requirements a student must take at least half of the work in courses which are open only to graduate students.

Specialist in Education

The Ed.S. degree requires completion of 66 graduate hours including those taken for the Master’s degree. The requirements for this degree are the same as those for leading to certification as a School Psychologist with one addition. The degree candidate must write and defend a thesis which deals with research or supervised experience in the area of school psychology.

Doctor of Philosophy

Through a cooperative program with the University of Nebraska-Lincoln, programs are offered in Omaha leading to the Ph.D. in industrial/organizational, experimental, child, and in developmental psychology. Doctoral programs may be considered for admission to a doctoral program if they have completed or are doing excellent work toward their Masters degree which includes a demonstration of research skills, preferably in the form of a defended thesis. There is no generally specified language or research skill requirement, but each student is expected to demonstrate proficiency in languages, research skills, or knowledge in collateral research areas appropriate for the student’s research interests as determined by the Supervisory Committee.

Industrial/Organizational Psychology

Doctoral students in this program are required to complete the entire proseminar series of eight courses as outlined below or their equivalent if the student has completed graduate coursework at another school. In addition, the following courses are required: Theory of Measurement and Design, Experimental Child Psychology, Personality Development, Cognitive Development, Language Development, Practicum in Developmental Psychology, and Dissertation. The remaining hours of coursework are determined by the student and the supervisory committee.

Experimental Child Psychology

Doctoral students in this program are required to complete the entire proseminar series of eight courses as outlined above or their equivalent if the student has completed graduate coursework at another school. In addition, the following courses are required: Memory and Learning, Social and Personality Development, Cognitive Development, Language Development, Practicum in Developmental Psychology, and Dissertation. The remaining hours of coursework are determined by the student and the supervisory committee.

Doctoral Psychology

Doctoral students in this program are required to complete the entire proseminar series of eight courses as outlined above or their equivalent if the student has completed graduate coursework at another school. In addition, the following courses are required: Memory and Learning, Social and Personality Development, Cognitive Development, Language Development, Practicum in Developmental Psychology, and Dissertation. The remaining hours of coursework are determined by the student and the supervisory committee.

Summary of Procedure for the Doctor of Philosophy Degree

This summary of procedure should be studied carefully in connection with the Graduate College calendar.

1. Admission to the UNL Graduate College by the evaluation of official transcripts presented in person or by mail prior to registration.
2. Registration after consultation with advisors in major and minor departments.
3. Appointment of the UNL Graduate Office of a supervisory committee on the recommendation of the departmental or area Graduate Committee.
4. Submission to the UNL Graduate Office of a program approved by the supervisory committee setting forth the complete plan of study for the degree prior to completion of more than half of the required coursework.
5. Satisfactory completion of foreign language or research tool requirements set forth in the approved program and passing of comprehensive examinations in major and minor or related fields of specialization.
6. Submission to the UNL Graduate Office of a report from the supervisory committee on the specific research for the dissertation and progress to date.
7. Admission to candidacy for the Ph.D. degree by filing a report in the Graduate Office of the passing of the comprehensive examinations and the completion of language and research tool requirements (at least seven months before the final oral examination). The term of candidacy ordinarily includes up to 3 hours of practicum credit.
8. Filing of an application for the degree at the Registration and Records Office, Information Window, 208 Administration Building at UNL. This application is effective during the current term only. It must be completed by the appropriate time if requirements for graduation are not completed until during a later term.
9. Presentation of the dissertation and the abstract to the members of the reading committee in sufficient time for review and approval, which must be obtained at least three weeks prior to the final examination.
10. Presentation to the Graduate Office of two copies of the approved dissertation, three copies of the approved abstract, and the application for the final oral examination at least three weeks prior to the date of that examination.
11. Passing of any required final oral examination.
12. Deposition of two copies of the dissertation in proper form, one copy of the abstract, and a signed agreement for microfilming the dissertation and publication of the abstract, with the UNL Director of University Libraries. Delivery of the certificate of deposit, signed by members of the supervisory committee, the UNL Director of University Libraries, and UNL Comptroller, to the Graduate Office. In addition, one bound copy of the dissertation is to be deposited with the student’s major department.

Professional Programs in the Area of School Psychology

Application

Application for admission to the programs in school psychology must be filed with the School Psychology Committee of the Psychology Department. The application should include the official Graduate Record Examination (GRE) scores for the General Test, the Mathematics Test, and at least one of the area tests. The GRE scores must be completed by November 1 of the following Fall semester. In the event that the student has been admitted to Graduate Studies previously but has not been admitted to the School Psychology Program, the student must again apply and submit the official GRE scores for the General Test, the Mathematics Test, and at least one of the area tests. The GRE scores must be completed by November 1 of the following Fall semester. In the event that the student's program of courses is substantially completed, the student must consult with the School Psychology Committee before starting the specialist project. Ed.S. students can apply for certification as School Psychologists when they have completed all of the requirements for the Master of Science or Master of Arts in Educational Psychology or its equivalent. Special Education students must complete all of the requirements for the Master of Science degree in Education or Master of Arts in Educational Psychology or its equivalent. Special Education students may be considered for admission to a doctoral program if they have completed or are doing excellent work toward their Masters degree which includes a demonstration of research skills, preferably in the form of a defended thesis. There is no generally specified language or research skill requirement, but each student is expected to demonstrate proficiency in languages, research skills, or knowledge in collateral research areas appropriate for the student’s research interests as determined by the Supervisory Committee.

Certification

Students may take work leading to a certification for certification as a school psychologist. A minimum of thirty semester hours of work beyond the Masters degree is required for the recommendation. Students must file an acceptable plan of study with the Graduate Office and with the Psychology Department. Admission to the program signifies that the student’s program of courses is substantially completed. Students must consult with the Psychology Department. Certification to the subject matter areas below. In addition to the coursework required for the 80 hours beyond the Masters degree the student must complete requirements for the Master of Science degree or Master of Arts with a concentration in Educational Psychology. Since individual students may have widely variant backgrounds, considerable flexibility is allowed in their program of study. However, the final decision on the appropriateness of a program must be made by the Psychology Department. Admission to the program signifies that the student’s program has been approved by the Psychology Department. The student must consult with the School Psychology Committee when starting their studies in order to facilitate individual program planning. The student’s advisor should be a member of the School Psychology Committee.

The Ed.S. degree in school psychology requires completion of 66 graduate hours including those taken for the Masters degree. The requirements for this degree are the same as those for leading to certification as a school psychologist with one addition. The degree candidate must write and defend a thesis which deals with research or supervised experience in the area of school psychology.
98 DEGREE REQUIREMENTS

Psychology 8510 Advanced Educational Psychology
Psychology 9580 Personality Assessment
Psychology 8530 Cognitive Processes
Psychology 9570 Advanced Behavior Analysis

One of the following three courses:

Psychology 8550 Introduction to Therapeutic Techniques with Children
Psychology 8570 Behavior Modification
Psychology 9570 Applied Behavior Analysis

One of the following two courses:

Eled 8430 Introduction to Curriculum Planning-EDE 8300 Emerging School Curriculum

3. Required Supporting Work
One or two courses in basic psychology (outside the student's area of specialization) and/or one course in Special Education, Counseling, or other professional education fields other than those specified as requirements. The student must also have coursework in both learning and developmental psychology.

4. Practicum in School Psychology (Psychology 9970)
The student's program must include from 4 to 6 credit hours of practicum. The general rule is that 50 clock hours are required for each credit hour. The practicum is designed to develop the student's understanding of the profession and to give experience in clinical work. The student will be assigned to a practicum emphasizing assessment and a 3-credit practicum emphasizing behavioral intervention. At least half of the credits must be earned in a school setting. Each practicum is developed to meet the individual student's needs and must be approved by the School Psychology Committee before the student is allowed to enroll.

5. Internship in School Psychology (Psychology 9980)
An internship totaling at least 1000 clock hours must be completed before the student will be recommended for certification as a school psychologist. This will normally be taken after the student has completed all other requirements, including both practicum experiences. The internship must be under the supervision of a qualified psychologist. The exact details of the internship are set by the School Psychology Committee. The student must sign up for 3 credit hours for each semester of Internship completion. Students who enroll in both Practicum course or Internship in School Psychology will be expected to attend a monthly seminar at which time case studies, issues and other relevant topics in School Psychology will be discussed.

Psychological Assistant

Students who are preparing work toward certification in Nebraska as Psychological Assistants must simultaneously complete requirements for the M.A. or M.S. Those seeking such endorsement must be approved by the Psychology Department at the time the application for degree candidacy is made in order that required courses are included in the plan of study for the degree. In any case, the requirements must include Psychology 8500, 8540, or 8970 and one of the following psychology courses: Psychology 8510, 8520, or 8530. The student must also have had coursework in both learning and developmental psychology.

Recommendation for Certification

When the student has completed the approved program of studies the student requests review for the School Psychology Committee's recommendation for certification as a school psychologist or psychological assistant. The student's work must have been completed in the program satisfactory (B or better) and adequate. The Psychological Asst. must have passed the National Association of School Psychologists examination and be in good standing in that organization or related organizations. The student must also be in good standing in the American Psychological Association and the Nebraska Psychological Association. The candidate for certification must have completed a minimum of 36 credits in psychology, including courses in research methods, statistical analysis, creativity, memory, and symbolic behavior. Prereq: Psychology 9540 and permission.

2450/2456 Limits of Consciousness (3) A survey of theories, practices and research on altered states of consciousness. Prereq: None.

2470/2476 Animal Behavior (3) Behavior of diverse animals for understanding of the relationships between nervous systems and the behavior manifested by the organism, as well as the evolution and maintenance of behavior as a species unit. Prereq: Psychology 1010 and Biology 1750 or permission. (Same as Biology 4270 and 5976)

2480/2486 Animal Behavior Laboratory (2) Laboratory and field studies of animal behavior with emphasis on problem solving. Classical laboratory experiences and independent studies will be conducted. Prereq: Psychology 9560 and permission.

4310/4316 Psychological and Educational Testing (3) The use of standardized tests in psychology and education is considered with special regard to their construction, reliability, and validity. Prereq: Psychology 1020 or 3510.

4430/4436 Psychoanalytic Psychology (3) The study of Sigmund Freud, psychoanalytic theoretical development, and as a school psychologist. Prereq: Psychology 9790 and permission. Prereq: None.

4440/4446 Abnormal Psychology (3) A course designed to provide an overview of psychological services. Psychological disorders and theories are included. Prereq: Psychology 1010.

4540/4546 Personality Theories (3) A comparative approach to the understanding and appreciation of personality theories considering history, assumptions, methodologies, and applications. Prereq: None.

4740/4746 Jungian Psychology (3) The study of C.G. Jung, his analytical psychology, philosophy, mythology, and literature. Readings are encouraged from this professor's book. Prereq: Psychology 1010.

4900/4906 Eastern Psychology (3) Theory and techniques of eastern psychology with emphasis on their historical and ongoing applications. Prereq: Psychology 9790 and permission. Daily practice of meditation required.

4520/4526 Psycholinguistics (3) A discussion of the theoretical and practical problems related to how such psychological variables as perception, learning, memory, and general development relate to the linguistic variables of sentence structure, meaning, and speech sounds. Prereq: Psychology 8540.

4550/4556 Retardation (3) This course considers significantly subaverage intellectual functioning originating during the developmental period and associated with impairment in adaptive behavior. Research is emphasized. Prereq: Psychology 9540 and permission.

4750/4756 Special Topics in Behavior Modification (3) Introduction to the experimental methodology, rationale and research literature of changing behavior through modification techniques. Particular attention will be paid to methodological concerns regarding the design, ethical considerations, and ramifications of behavior interventions. Prereq: Psychology 9540 and permission. Prereq: Psychology 1010, Psychology 3010, and Permission.

4590/4596 Psychology of Exceptional Children (3) A study of exceptional children and adolescents with sensory or motor impairments, intellectual retardations or superstities, talented or gifted abilities, language or communication disorders, emotional or behavioral maladjustments, social or cultural differences, or major stereotyped learning disabilities. Cross listed with SPED 8100. Prereq: None.

4500/4500 Social Work, Psychology, and the Law (3) An examination of some of the legal aspects of social welfare policy issues such as abortion, illegitimacy, alcoholism, drug addiction, creditor and debtor's rights, landlord and tenant relationships, housing, family law, death and divorce, and the termination of parental rights. Prereq: None.

8000 The Profession of Psychology (3) A required non-credit course for graduate students in psychology. Intended to familiarize the beginning graduate student with the professional standards and codes of ethics including such topics as ethics, professional organization, non-professional organizations, publication, and registration. Prereq: Freshman standing, permission of instructor.

8600 Computer Concepts in Psychology and the Behavioral Sciences (3) An introductory course emphasizing the use of computers and computer languages as well as specific uses. Prereq: Psychology 2130 or equivalent.

8140 Nonparametric Statistics (3) A study of distribution-free tests with particular emphasis on application of distribution-free tests to research problems in social behavioral sciences. Prereq: Psychology 2130 or equivalent.

8500 Introduction to School Psychology (3) This course is intended for the introductory graduate student in either the psychology or education program. The course will be offered in the spring. Prereq: Admission to the graduate program.

8510 Advanced Educational Psychology (3) A study of the principles of learning and teaching, and their applications in special education, remedial education, particularly to those problems existing in the classroom. Prereq: Psychology 9540.

8520 Clinical Assessment I: Foundations (3) This is an introductory or survey course on the
clinical and subjective aspects of human assessment. It is intended to serve as the foundation for more advanced study of assessment according to different approaches. Clinical considerations of the process are included to professional judgment, diagnostic interpretation, and empirical analysis, rating scales, and standardized interpretation and personality tests. Objective personality methods, and clinical issues are relevant to the assessment. Peertoc Permission of instructor. Peertoc Permission of instructor.

8500 Problems in Psychology (1-2 hours) A faculty supervised experience in 8900 Problems in Psychology (1-2) Faculty supervised experience in an area of interest to the student. Peertoc Permission of instructor. Peertoc Permission of instructor. Peertoc Permission of instructor.

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102 DEGREE REQUIREMENTS

9650 Industrial Psychology Research Methods (3) Acquisition of skills in setting research proposals, executing research and writing research articles. Course intends to introduce students to the various research data collection and statistical techniques that are applicable to industrial psychology research. Prereq: Admission into Industrial Psychology Research.

9660 Critique Development and Performance Appraisal (3) An in-depth examination of the systematic, quantitative, and environmental psychology techniques, including job analysis, criterion development, and performance measurement and appraisal in organizations. Practical experience in the application of techniques and procedures is emphasized through group and individual projects in organizational settings. Prereq: Psychology 95090 (may be taken concurrently).

9670 Personnel Selection (3) An exploration of current theory and practice in personnel selection. Problem solving strategies are emphasized through the design, analysis, and interpretation of selections. This course is designed to acquaint the student with the implementation of personnel selection programs consistent with Equal Opportunity Guidelines and federal law. Prereq: Psychology 9660.

9790 Seminar In School Psychology (3) This course is designed to give the advanced student in the School Psychology Program an overview of significant professional topics in the field. Ordinarily such topics include state licensing laws, state certification requirements, and special education department guidelines, roles and functions, and ethics will be included in the course. Every attempt will be made to take the principles from the classroom and develop the principles of practice which constitute the field of school psychology. Prereq: Completion of a Master's degree, and admission into the School Psychology Program.

9950 Practicum In Organizational Behavior (1-4) Faculty supervised experience in industry or business designed to bridge the gap between the classroom and a job, emphasizing use of previously acquired knowledge in dealing with practical problems. Prereq: Permission of department and admission to doctoral program.

9960 Research Other Than Thesis (1-12) Research work under supervision of the faculty. May be repeated up to a total of 12 credit hours. Prereq: Enroll in a graduate program beyond the master's level and permission of the department.

9970 Practicum In School Psychology (1-6) Faculty-supervised experience in an educational agency designed to acquaint the student with the practical problems of school psychology. Prereq: Admission to school psychology program and written permission of department.

9980 Internship In Psychology (3-12) Faculty supervised experience in an activity designed to acquaint the student with the practical problems of school psychology. Prereq: Completion of 4 hours of Psychology 9970 and written permission of department and the local and university supervisors. Prereq: Permission of the School Psychology Committee.

The Master of Public Administration (MPA) is a professional graduate degree designed: (1) to prepare students for careers in the public service — national, state, local or nonprofit agencies and (2) to provide professionals and administrators. ASSOCIATE PROFESSORS: McKinley, Reynolds, Suzuki

Master of Public Administration

The Master of Public Administration (MPA) is a professional graduate degree designed: (1) to prepare students for careers in the public service — national, state, local or nonprofit agencies and (2) to provide professionals and administrators with general administration skills in all areas of government. The MPA Program stresses the development of management and administrative abilities, important to both staff specialists and line administrators.

Students in the MPA Program will likely come from widely differing backgrounds. Some may come from professional areas with specific public service training, others may be novices to public service, and still others may have had no previous administration while others may enter with degrees in the social sciences, engineering, business, human services, or the humanities.

The MPA courses are regularly offered at night to meet the needs of full-time employees.

The Department of Public Administration is a member of the National Association of Schools of Public Administration (NASPAA). In 1985, the MPA Program was placed on the National Roster of Programs found to be in conformity with NASPAA Standards for Professional Masters Degree Programs in Public Affairs and Administration.

The Department of Public Administration is a member of the National Association of Schools of Public Administration (NASPAA). The MPA Program was placed on the National Roster of Programs found to be in conformity with NASPAA Standards for Professional Masters Degree Programs in Public Affairs and Administration.

Degree Requirements

Thirty-six credit graduate credit hours are required for the MPA degree, including 36 hours of coursework and a three-hour Internship. The course work shall include 18 hours of core courses, required of all MPA students. The student, with the assistance of a departmental advisor, may include one of the 12-hour options listed below or may, on occasion, include a separate 12-hour plan of study designed to meet a particular set of career development needs. For students who have not completed courses in accounting, statistics or Intro to Public Administration or equivalent, graduate level equivalents are required. If you must take all three, your program will be forty-two hours.

The internship requires the equivalent of 15 weeks work at 20 hours per week in a staff position with a governmental or quasi-governmental agency designed to acquaint the student with the practical problems of public service administration, or for the junior-senior years and must have completed all other admission requirements for Graduate Studies. This includes completion of core of the following: the Graduate Record Exam (GPA), the Graduate Management Admissions Test (GMAT), or the Law School Admissions Test (LSAT).

Students who are granted provisional admission may be granted provisional admission to the MPA program, a student must apply for admission with a work history or resume, and transcripts from all undergraduate institutions to the UNO Admission Office.

Non-native Students

Students who plan to attend the MPA Program from foreign countries where English is clearly a second language may be granted provisional or unclassified admission subject to the following conditions:

1. Should the student be unable to pass the TOEFL exam or the required language test administered by the English Department at UNO and demonstrate to the satisfaction of the Graduate Dean that the student is capable of successfully complete graduate work, in the English Diagnostic Test administered by the Department of English and demonstrate through this test the ability to communicate orally and in writing in a manner sufficient to compete effectively at the graduate level with English-speaking native-born Americans.

2. Should the student be unable to pass the TOEFL exam or the required language test administered by the English Department at UNO and demonstrate to the satisfaction of the Graduate Dean that the student is capable of successfully complete graduate work, in the English Diagnostic Test administered by the Department of English and demonstrate through this test the ability to communicate orally and in writing in a manner sufficient to compete effectively at the graduate level with English-speaking native-born Americans.

3. Should the student be unable to pass the TOEFL exam or the required language test administered by the English Department at UNO and demonstrate to the satisfaction of the Graduate Dean that the student is capable of successfully complete graduate work, in the English Diagnostic Test administered by the Department of English and demonstrate through this test the ability to communicate orally and in writing in a manner sufficient to compete effectively at the graduate level with English-speaking native-born Americans.
2. PA 8410 Public Personnel Management (or PA 8660, Seminar in Public Personnel Management if credit has been earned in undergraduate PA 4410 courses)
3. PA 8420 Seminar in Introduction to Public Organizations
4. PA 8460 Seminar in Organization Development in Public Agencies
5. PA 8450 Seminar in Advanced Management Analysis
6. PA 8490 Seminar in Public Financial Administration

The following courses may be required, depending upon a student's academic and professional background:
1. FAV 8000 Seminar in Research Methods (Required if student's undergraduate education does not include adequate training in research methods and statistics as determined by the Graduate Committee. Elective for others.)
2. PA 8050 Survey of Public Administration
3. PA 8100 Seminar in Urban Administration (Required if student's undergraduate education does not include an introduction to public administration course. Elective for others.)
4. PA 8300 Internship (Required if student's professional background does not demonstrate managerial/administrative experience as determined by the Graduate Committee. Elective for others.)
5. PA 8450 Seminar in Advanced Management Analysis (Required if student's professional background does not demonstrate managerial/administrative experience as determined by the Graduate Committee.)
6. PA 8480 Seminar in Public Financial Administration (Required if student's professional background does not demonstrate managerial/administrative experience as determined by the Graduate Committee.)

Optional Areas

General Public Administration (12 hours from the following selected list in consultation with advisor)
- PS 8045 The Legislative Process
- PS 8050 The Judicial Process
- PA 8436 Municipal Administration
- PA 8490 Seminar in Public Administration
- Econ 8566 State and Local Finance
- PA 8460 Seminar in Public Policy
- PA 8490 Seminar in Public Personnel Management
- PA 8495 Public Sector Labor Relations
- PA 8550 Issues in Public-Private Sector Cooperation
- PA 8550 Issues in the Administration of Non-Profit Organizations
- Econ 8566 Seminar in Administration Law
- PA 8670 Seminar in Grants and Contracts
- PA 8810 Seminar in Metropolitan Planning and Development
- Econ 8870 Seminar in Regional Economics
- PA 8900 Readings in Public Administration
- PA 8940 Research in Public Administration

Gerontology Option (12 hours to include courses from the following selected list in consultation with advisor if the student's particular needs)
- GER 8830 Aging and Human Behavior
- GER 8840 Administrative and Legal Concerns of the Elderly
- GER 8850 Aging and Mental Health
- GER 8870 Gerontology
- GER 8880 Hospital
- GER 8940 Counseling Skills in Gerontology

Local Government Option (12 hours from the following selected list in consultation with advisor. It is possible under exceptional circumstances to substitute other courses with approval of advisor)
- Gov 8126 Urban Geography
- PA 8936 Urban Geography
- Econ 8566 State and Local Finance
- PA 8400 Seminar in Public Administration
- PA 8435 Seminar in Public Policy
- PA 8490 Public Sector Labor Relations
- PA 8550 Issues in Public-Private Sector Cooperation
- PA 8670 Seminar in Administration Law
- Econ 8870 Seminar in Metropolitan Planning and Development
- Econ 8950 Seminar in Urban Economics
- PA 8920 Readings in Public Administration
- PA 8940 Research in Public Administration

The Planning Option (12 hours to include CRP 8110 plus nine hours of coursework from the following list selected in consultation with advisor)

The option stresses the planning process and related skills and techniques. Students selecting this option should plan on taking one or more courses on the Lincoln campus in order to complete the program expeditiously.
Public Administration

8056 Survey of Public Administration (3)
This course is designed for graduate students who have had no undergraduate introduction to Public Administration courses. It involves a study of the environment of public administration, introducing the student to public organization theory and practice, and research into the development of public administration programs. Prereq: Course in American politics.

8306 Seminar in Public Policy (3)
A study of the economic, social and political determinants of public policy. Emphasis is on the role of contemporary government and decision making and of measuring and evaluating policy impact. The course includes both study of general policy processes and, to a lesser extent, particular policy topics. Prereq: Permission of advisor.

4430/4834 Municipal Administration (3)
The administrative structure and administration of local government, covering such areas as financial management, personnel, public works, public safety, utilities, and planning. Prereq: PA 2170 or PA 6505 or Permission of Graduate Advisor.

8496 Public Sector Labor Relations (3)
This course deals with the origins, characteristics, and implications of public sector employment unions and how they relate to public sector personnel practices. Prereq: Permission of advisor.

8606 Administrative Law (3)
a review of the legal environment and character of legal processes in governmental administration, including delegation of authority, determination of courses for professional development, liability of government units and officers and judicial review of administrative action. Prereq: Permission of graduate advisor.

9090 Seminar in the Research Methods of Political Science and Public Administration (3) A critical evaluation of the methods of data collection and analysis for political science and public administration research. (Also listed under political science and PA) Prereq: Permission of advisor and graduate advisor.

8100 Seminar in Public Administration (3)
An in-depth study of the relationships existing between the art and science of public administration and the practice of government on the other. The emphasis is primarily on broad categories of political administration, but the student may choose between the three options as they condition each other. Prereq: Permission of graduate advisor.

8410 Public Sector Budgeting (3) A study of public sector budgeting, including revenues, history, process, budget constraints, budgetary implications of public and private sector cooperation, and the tools of budgetary analysis. Prereq: PA 2170 or PA 6505.

8480 Seminar in Public Financial Administration (3) Financial organization of government, the role of financial relations, and the administrative and political aspects of budgetary planning and control. Prereq: Permission of advisor.

8500 Issues in Public-Private Sector Cooperation (3) This course introduces students to the process of public-private cooperation. The objective of such a course is to familiarize students with the various methods and techniques of public-private sector cooperation. The seminar includes an in-depth analysis of various cooperatives and the tools of public-private sector cooperation. Prereq: PA 2170 or PA 6505 or permission of advisor.

8740 Seminar in Advanced Management Theory (3) A study of the theories and methods related to analysis of public and private sector administrative behavior. The course includes problem analysis, field study methods, design of improved methods, selection of alternatives and developing decision packages. Prereq: PA 2170 or PA 6505 or approval of advisor.

8760 Administrative Ethics (3) This course is designed to make students of public management aware of and sensitive to the ethical components of public sector administration. Ethical concerns permeate much of what public administrators do and this course focuses on identifying common ethical concerns and their consequences. Prereq: PA 2170 Introduction to Public Administration or permission of instructor.
1. A minimum of one year in residence.
2. The above requirement includes the Master of Social Work Degree. The Advanced Program for students with a Bachelor's degree in social work from a CSWE accredited program, requires 42 credit hours of graduate study in social work, which may be completed in a minimum of two academic years.
3. The above requirement includes the Master of Social Work Degree. The Advanced Program for students with a Bachelor's degree in social work from a CSWE accredited program, requires 42 credit hours of graduate study in social work, which may be completed in a minimum of two academic years.
4. The GRE or MAT (Miller Analyses Test) should be completed during the first semester of enrollment.
5. A final written comprehensive examination is required.
6. See the School of Social Work Student Handbook for other requirements.
7. The Director of the School of Social Work may approve to enroll for other hours of study without the approval of the Dean of Graduate Studies and Research as being an appropriate substitute for a requirement or elective.

Social Work

Social Work is one of the "helping professions" concerned with the quality of human life. Specifically, the social worker is concerned with people's ability to function meaningfully and effectively in their relationships with other people and with society at large. Social workers bring to bear on their dealings with individuals, families, and groups the principles and values of society, and in the process contribute to society at large.

In these endeavors, social workers are employed in public and private counseling agencies and services, medical settings, schools, residential programs, and organizations providing care for the mentally ill and retarded, court and correctional agencies, community planning, and development agencies and programs. Their educational and professional endeavors are designed to promote more effective functioning of society as it strives to "provide for the general welfare of the community." The School of Social Work is accredited by the Council on Social Work Education (CSWE)

Requirements for the Degree of Master of Social Work

1. A minimum of one year in residence.
2. The above requirement includes the Master of Social Work Degree. The Advanced Program for students with a Bachelor's degree in social work from a CSWE accredited program, requires 42 credit hours of graduate study in social work, which may be completed in a minimum of two academic years.
3. The above requirement includes the Master of Social Work Degree. The Advanced Program for students with a Bachelor's degree in social work from a CSWE accredited program, requires 42 credit hours of graduate study in social work, which may be completed in a minimum of two academic years.
4. The GRE or MAT (Miller Analyses Test) should be completed during the first semester of enrollment.
5. A final written comprehensive examination is required.
6. See the School of Social Work Student Handbook for other requirements.
7. The Director of the School of Social Work may approve to enroll for other hours of study without the approval of the Dean of Graduate Studies and Research as being an appropriate substitute for a requirement or elective.

Foundation Courses

8000 Human Behavior and the Social Environment (3)
9020 Micro Intervention I (3)
1010 The Metropolis As A Public Economy (3)
1200 Race, Ethnicity, and American Culture (3)
1300-SW240 Interdisciplinary Seminar On The Urban Community (3-6)
1300 Social Welfare Policy, Services & Analysis (3)
1410 Social Work Practice I (Generic) (2)
1500 Social Work Practice II (Micro) (2)
1600 Social Work Practice III (Macro) (2)
1600 Social Work Practice I (Generic) (2)
1600 Social Work Practice II (Micro) (2)
1600 Social Work Practice III (Macro) (2)
1600 Social Work Practice I (Generic) (2)
1600 Social Work Practice II (Micro) (2)
1600 Social Work Practice III (Macro) (2)
Practicum Courses

8400 Advanced Social Work Practicum I (3-4) To provide individualized professional growth opportunities in micro and macro social work practice. Concurrent with practicum placement, or one of the following: SW 8520, SW 8540, SW 8560 or SW 8560 following: SW 8520, SW 8520, SW 8560, SW 8560, SW 8560 prior to or concurrent with macro placement and permission of School.

8410 Advanced Social Work Practicum II (3-4) To provide individualized professional experiences in micro and macro social work practice, building upon opportunities provided and completed in previous practice. Prereq: SW 8400 plus one advanced micro practice or macro practice course, Concurrent with practicum placement. For macro placement, SW 8520, SW 8520, SW 8560, SW 8560, SW 8400 and a second one of the following: SW 8520, SW 8560, SW 8560, SW 8560, SW 8560 prior to or concurrent with macro placement.

8420 Advanced Social Work Practicum III (3-4) To provide a third advanced practice opportunity in a selected social welfare agency or macro social practice setting for refinement/reaffirmation of micro and macro practice skills. Prereq: SW 8410.

Macro Practice Courses

8500 Social Development (3) An analysis of the model for affecting social change. The concept of social change is discussed by the students who adopt a model of social change in the United Nations, has been adopted by the United Nations and has been studied in the development of poverty alleviation programs. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations. The concepts are introduced in the class and discussed by the students who adopt a model of the United Nations.
ASSOCIATE PROFESSORS:
Graduate Record Examination. The incoming student to complete an examination covering basic concepts and theorists of the field. The examination is used in counseling the student in his/her graduate program. Students must also complete a minimum of 18 additional graduate semester hours. Courses in applied anthropology are acceptable to both the instructor and the student. Additional requirements for the M.S. degree may be selected by students after consultation with their advisors. Examinations are given twice annually. Students are also required to complete at least 6 hours of thesis and a minimum of 12 additional graduate semester hours of coursework. Detailed explanations of graduate requirements should be secured through the Sociology Office.

Master of Science with a Major in Applied Sociology

Although similar to the M.A. degree, the M.S. degree diverges to emphasize applied work. Students must complete two graduate only level courses and two graduate only theory courses with grades of B or better, and must pass a comprehensive examination in a special area. The special area comprehensive examination must be selected by students after consultation with their advisors. Examinations are given twice annually. Students are also required to complete at least 6 hours of thesis and a minimum of 12 additional graduate semester hours of coursework. Detailed explanations of graduate requirements should be secured through the Sociology Office.

Anthropology

4220/8206 Urban Anthropology (3) The course is intended to examine the city from an anthropological point of view. Included will be an overview of its history and the processes by which which it formed and developed, and the internal structure and processes within the city. The course is intended to be comparative, geographically and theoretically. Fieldwork will include urbanization of cities in both the so-called "third-world countries" as well as the developed, industrialized ones. Graduate students will be required to submit a "take-home" paper on a topic mutually acceptable to the instructor and the student. In addition to the written work, the student will also be required to present an oral presentation in class of the research done and the major findings. Prerequisites: 2120/8120.

4210/8216 Cultural Anthropology (3) Arts, economics, family, kinship, politics, religion, sub- groups (aboriginal groups and worldview approaches as parts of an integrated whole, a way of life in human society. Illustrations will be drawn from a number of societies, anthropological theories and methods of study. Prerequisites: Permission of the instructor.

4220/8226 North American Archaeology (3) American Indian culture history in North America, with emphasis on the prehistory of the new world, culture history and development of Middle American civilizations, and their impact on core areas of village-living in the continental United States; introduction to archaeological research methods, dating methods, and the interpretation of human behavior. Prerequisite: Permission of the instructor. For 4220, Antiquity 1050 or 4220. For 8226, permission of the instructor.

4520/8526 Psycholinguistics (3) A discussion of the literature concerned with how such psychological variables as perception, learning, memory, and development relate to the linguistic behavior of humans in social structure, meaning, and social communication. Prerequisites: Sociology 8206 and Communication 8206. Prerequisite: Senior or graduate standing or permission of the instructor. Recommended: Anth. 1050. (Same as Psychology 4520 and Comm. 4520)
DEGREE REQUIREMENTS

4850, Sociology 1010 or permission of the instructor. For 8850, permission of the instructor.

4890/8996 Independent Study (1-3) Guided reading in special topics under the supervision of an instructor. For 4890, permission of the instructor. For 8996, permission of the instructor.

8700 Sociological Theory I (3) First of two theory courses required of all masters degree candidates in sociology. The course emphasizes the theoretical issues associated with sociological processes of modern societies: urbanization, Industrialization, urban studies, and the emerging world order. Student writing skills as well as the conceptual and theoretical setting of major theorists who deal with these processes are emphasized. Prereq: Graduate standing, permission of the instructor if outside the department of sociology/anthropology.

8701 Sociological Theory II (3) The second of two theory courses required of all masters degree candidates in sociology. The course emphasizes central theoretical and conceptual lines within sociological theory. Student writing skills as well as the conceptual materials will be emphasized. Prereq: Graduate standing, permission of the instructor if outside the department of sociology/anthropology.

8550 Seminar in The Sociology of Religion (3-6) A seminar dealing with religion as a social and cultural phenomenon. The study theme will vary from time to time in keeping with the special interests of the instructor. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission.

8600 Seminar in Social Organization (3-6) A seminar dealing with the study of the social organization that is central to the study of sociology. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission.

8700 Seminar in Sociological Theory (3-6) A seminar dealing with the study of the sociology of the individual. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission.

8800 Independent Study in Topics On Urbanism (1-3) A seminar in which students work directly under the supervision of an instructor. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission of instructor.

1100 Soil Science of the Disadvantaged (3) A survey of the problems existing in disadvantaged communities. Emphasis is on the individual rather than the individual. Prereq: Soil Science 1000. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission of instructor.

1200 Seminar in Social Gerontology (3) A seminar in social gerontology. Students are encouraged to develop proposals for research, programs, or social policy. Focus is upon generational differences and change throughout the adult life. Prereq: Permission of instructor.

8500 Seminar in Research Methods (3-6) A complete research project carried out under the supervision of an instructor particularly qualified in the area of concern. Students participate in the background work, question formulation, selection of construction of test instruments, data gathering by methods such as interviewing and participant observation, and analysis. As seminar topics change, this course may be repeated in a student's program without implying duplication. Prereq: Permission.

8550 Seminar in Sociology of Religion (3-6) A seminar dealing with religion as a social and cultural phenomenon. The study theme will vary from time to time in keeping with the special interests of the instructor. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission.

8600 Seminar in Social Organization (3-6) A seminar dealing with the study of the social organization that is central to the study of sociology. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission.

8700 Seminar in Sociological Theory (3-6) A seminar dealing with the study of the sociology of the individual. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission.

8800 Independent Study in Topics On Urbanism (1-3) A seminar in which students work directly under the supervision of an instructor. This seminar topic may be repeated in a student's program without implying duplication. Prereq: Permission of instructor.

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**Master of Science**

The Master of Science degree with a major in reading conforms to standards of the International Reading Association for the professional training of Reading Specialists. Upon successful completion of the program, the student is recommended for K-12 endorsement in reading in Nebraska.

**I. Core Professional Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>TED 9110</td>
<td>Principles and Practices in Elementary Reading</td>
</tr>
<tr>
<td>TED 9120</td>
<td>Teaching Reading in the Secondary School</td>
</tr>
<tr>
<td>TED 9170</td>
<td>Seminar in Organization and Administration of Reading Programs</td>
</tr>
<tr>
<td>TED 9180</td>
<td>Seminar in Research in Reading</td>
</tr>
<tr>
<td>SPED 8130</td>
<td>Diagnostic and Remedial Instruction in Reading</td>
</tr>
<tr>
<td>SPED 8140</td>
<td>Measurement and Evaluation of Reading</td>
</tr>
<tr>
<td>SPED 8150</td>
<td>Commercial Practice in Reading</td>
</tr>
</tbody>
</table>

**II. Related Professional Courses**

- Including Introduction to Research and selected work in such areas as foundation and general education, teacher education, special education, and psychology.
- Including selected work in such areas as guidance and counseling and/or the various student areas addressed under sections I and II.

**III. Related Professional/Academic Courses**

- 12 hours

**Electives**

- 12 hours

**Master of Arts**

**I. Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>TED 8070</td>
<td>Introduction to Research</td>
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<tr>
<td>TED 8080</td>
<td>Seminar in Education: Secondary</td>
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<tr>
<td>TED 8090</td>
<td>Analysis of Teacher Behavior</td>
</tr>
<tr>
<td>TED 8140</td>
<td>Improvement of Instruction</td>
</tr>
<tr>
<td>TED 8100</td>
<td>Seminar in Education: Secondary</td>
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<tr>
<td>TED 8130</td>
<td>Analysis of Teacher Behavior</td>
</tr>
<tr>
<td>TED 8140</td>
<td>Improvement of Instruction</td>
</tr>
<tr>
<td>TED 8150</td>
<td>Seminar in Education: Secondary</td>
</tr>
<tr>
<td>TED 8160</td>
<td>Education and Society</td>
</tr>
<tr>
<td>TED 8200</td>
<td>Growth and Learning Problems of the Disadvantaged</td>
</tr>
<tr>
<td>TED 8300</td>
<td>Field Research Techniques in Urban Education</td>
</tr>
<tr>
<td>TED 8350</td>
<td>Clinical Practice in Reading</td>
</tr>
<tr>
<td>TED 8400</td>
<td>Conflict and Controversy in Urban Education</td>
</tr>
<tr>
<td>SPED 8110</td>
<td>Anthropology and Urban Education</td>
</tr>
<tr>
<td>SPED 8120</td>
<td>Special Education</td>
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<tr>
<td>SPED 8130</td>
<td>Reading</td>
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<td>Special Education</td>
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<td>SPED 8170</td>
<td>Special Education</td>
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<tr>
<td>SPED 8180</td>
<td>Special Education</td>
</tr>
</tbody>
</table>

**Teacher Education**

- **I. Required Courses**
  - TED 1010: Introduction to Research
  - TED 2250: History and Philosophy of Education
  - TED 2260: Seminar in Education: Urban
  - TED 3100: Social Studies in Education
  - TED 3120: Education and Society
  - TED 3300: Alternative Strategies for Education
  - TED 4100: The Urban School

- **II. Related Professional Courses**
  - 6 hours
  - Including Introduction to Research and selected work in such areas as foundation and general education, teacher education, special education, and psychology.
  - Including selected work in such areas as guidance and counseling and/or the various student areas addressed under sections I and II.

- **III. Electives**
  - 12 hours

**Urban Education**

The Master of Science Program in Urban Education is designed for graduate students who are interested in exploring the contemporary issues confronting urban educational institutions. The range and depth of the inter-disciplinary course offerings in this program provide varied, challenging, and relevant experiences for both classroom teachers and community workers in allied professional fields.

Students in this thirty-six-hour program will increase their competence and expertise in functioning not only in the educational setting of the urban classroom, but also within the wider community milieu.

It is expected that students will be able to effectively analyze the logical and structure of the educational institution, and learn the organization of education and primary socializing agencies.

Many of the courses offered in the program are designed specifically to analyze an ethnics, racial, and social characteristics of the contemporary urban scene.

It is also expected that students will develop an awareness of and the ability to handle the learning problems of urban youth. The program emphasizes a cultural awareness and appreciation of the varied life-styles within the urban setting, and specific skills to function effectively as an educator. In addition, attention will be focused on the development of existing programs and the development of new strategies for change and the improvement of education.

- **I. Required Courses**
  - 18 hours
  - TED 1010: Introduction to Research
  - TED 2250: History and Philosophy of Education
  - TED 2260: Seminar in Education: Urban
  - TED 3100: Social Studies in Education
  - TED 3120: Education and Society
  - TED 3300: Alternative Strategies for Education
  - TED 4100: The Urban School

- **II. Select 6 hours from any of the following:**
  - TED 8090: Mental Health for Teachers
  - TED 8200: Growth and Learning Problems of the Disadvantaged
  - TED 8300: Field Research Techniques in Urban Education
  - TED 8350: Clinical Practice in Reading
  - TED 8400: Conflict and Controversy in Urban Education
  - SPED 8110: Anthropology and Urban Education

- **III. Electives**
  - (to be determined by the student and the advisor)
  - 12 hours
This course is designed to assist library media specialists and teachers to gain a comprehensive understanding of the characteristics, selection, evaluation, production, and utilization of educational media. Prereq: Admission to Graduate College.

4770/8776 Production and Utilization of Educational Media (3) This course is designed for media specialists and elementary and secondary teachers interested in utilizing photogrophy of visual representations into patterns and relationships of non-verbalexpressions. This course is designed for experenced teachers who are or may be serving as cooperating teachers, and who desire to study the aims, procedures, objectives, trends and development of student teaching.

8020 History and Philosophy of Education (3) The course is designed to provide a critical perspective, both historical and philosophical, for understanding education in the United States. The course examines critically the evolution of educational thought and practices from the Colonial era to the present U.S.

8030 Seminar in Education — Special Topics (3) The course is designed as an advanced study for the examination of selected educational problems and issues. When taught by the graduate school, the seminar content is designed to be limited to elementary education, secondary education, urban education or other appropriate educational efforts. Prereq: Graduatc Standing.

8040 Seminar in Supervision of Student Teachers (3) The seminar is designed for experienced teachers who are or may be serving as cooperating teachers, and who desire to study the aims, procedures, objectives, trends and development of student teaching.

8050 Current Issues and Trends in Education (3) This course is designed as an advanced study for the purpose of exploring current issues and trends within the framework of the K-12 Curriculum. Prereq: Graduate Standing.

8090 Economic Education (3) A study and examination of economic principles, teaching strategies, and curriculum materials, and how they can be used to enhance understanding of economic concepts and principles in the K-12 classroom. Prereq: Graduate Standing.

8100 Research Project (1-3) Individual or group study and analysis of specific problems in school topics. Prereq: Graduate standing. Prereq: Admission to Graduate College.

8110 Multicultural Education (1-3) The course is designed specifically for educators who work with culturally different children. Prereq: Admission to Graduate College.

8130 Field Research Techniques in Urban Education (3) This course is designed to give students an opportunity to design and conduct field research within the urban educational milieu. Anthropological field research and techniques will be introduced to the role of television as a mechanism of infonnation through an information system. The course may be placed upon the basis for improved teaching strategies and the development of new multicultural units of study in the classroom. Prereq: Graduate Standing.

8160 Education and Society (3) A study of the problems that modern society confronts with and the role(s) that education has in helping society meet these challenges. Emphasis will be placed on the interface between the educational institution and the other major arenas forming the social fabric. Attention will be paid to the implications of the model of societal change.

8170 Alternative Strategies for Education (3) An intensive study of the alternative strategies selected by students. This course will be designed to examine ways in which the educational system can be changed to meet the needs of students. Prereq: Graduate standing.

8180 The Urban School (3) An analysis of the societal and institutional processes and problems which have bearing upon the functioning of urban schools. A study of the urban school.

8190 Conflict and Controversy in Urban Education (3) A course designed for students who wish to keep abreast of contemporary issues which confront the educational system. Emphasis will be placed on understanding the role of the individual in the urban milieu. Topics are modified annually to reflect current events and issues.

8200 Anthropology and Urban Education (3) This course is designed to examine ways in which education, conceptualized in a broad sense, contributes to and is influenced by changes and trends in society. An understanding and appreciation of anthropological methods as a basis for research in the urban educational milieu. Anthropological field research and study of the culture will be stressed. A limited anthropological field study is required for this course. Prereq: TED 8010 Introduction to Research.
8300 Effective Teaching Practices (3) This course will focus on specific characteristics and pedagogical strategies of effective teachers. Course content will be derived from research on teaching and learning. Students will learn how to design and implement instructional strategies that are immediately applicable in the classroom. Prereq: Admission to Graduate College; one year teaching experience.

8310 Analysis of Teacher Behavior (3) Emphasis is placed upon present observational systems for the analysis of teacher behavior in a classroom setting. The course involves instruction in the use of a teacher behavior observation protocol. Specific topics include in-depth review of research and practices in the area of observing teacher behavior. Prereq: Admission to Graduate College; one year teaching experience.

8320 Models for Teaching (3) This course is designed to increase awareness and knowledge of instructional styles which teachers can use to expand a teacher's repertoire. These additional skills and knowledge will allow the teacher to provide instruction to a broader range of student abilities. Prereq: None.

8340 Diagnostic and Corrective Instruction (3) Diagnostic techniques are utilized in observing students in order to identify areas that need improvement. The emphasis of this course is on the diagnostic testing of students in order to improve the instructional process. The course involves instruction in the specific instructional techniques and instruction in the procedures involved. Prereq: Admission to Graduate College; three years teaching experience.

8350 Models for Teaching (3) This course is designed to increase awareness and knowledge of instructional styles which teachers can use to expand a teacher's repertoire. These additional skills and knowledge will allow the teacher to provide instruction to a broader range of student abilities. Prereq: None.

8360 Diagnostic and Corrective Instruction (3) This course involves the processes of diagnosing children's difficulties in the basic curriculum areas. Techniques and instructional strategies for the elementary school and correctional techniques for overcoming such problems. The area of reading is given special emphasis, but it also relates to other subject areas.

8370 Introduction to the Middle School (3) The course is intended for persons who have a new or substantial interest in teaching and who wish to expand their skills and knowledge in the operation of the Middle School, and who may be interested in certification for professional assignments in the Middle School. Prereq: Admission to the Graduate College.

8380 Introduction to Instructional Theory Into Practice (3) This course is designed for practicing teachers who are working to improve teaching skills in their classrooms. This course will focus on examining the research and practices in the Middle School instructional model. Prereq: Admission to Graduate College.

8410 Improvement of Instruction: Mathe­matics (4) This course is designed for those students who wish to extend their skills in employing instructional techniques for teaching mathematics. Emphasis is placed upon new developments, such as computers and calculators and contemporary methods of instruction.

8420 Trends and Teaching Strategies in Sci­ence Education (3) This course is designed for the graduate student whose study program emphasis is in the area of science education. Its focus is on students' and teachers' roles and how to design and implement instructional strategies that are immediately applicable in the classroom. Prereq: Graduation Standing.

8530 Enhancing Instruction Using Micro­computers (3) The purpose of this course is to examine the ways in which microcomputers can be used to improve current curricular offerings and enhance instructional activities in elementary and secondary schools. Course content will involve developing a deeper understanding of current instructional goals and practices and compare these with the capabilities/limitations of microcomputers. Current and projected software and equipment will also be examined and the role of microcomputers will also be examined. Prereq: TED 8500 or equivalent.

8550 Enhancing Instruction with Micro­computers In the Classroom (3) This course is designed for teachers who wish to design instructional software for a microcomputer. The concepts of bias analysis, mediation, computer graphics, student-computer interaction, video-tape equipment is stressed that are currently utilized in selected countries. Emphasis is placed upon microcomputers in the classroom. Prereq: TED 8500 or equivalent.

8580 LOGO and the K-12 Curriculum (3) This course is intended for elementary and secondary teachers. It provides an introduction to the LOGO language for microcomputers and its applications in the K-12 curriculum. The history, philosophy, and capabilities of LOGO applications are considered with particular emphasis placed on implementing LOGO in the areas of the various curriculum. The emphasis will be placed on planning the classroom. Prereq: Graduation Standing.

8600 Simulation/Gaming Laboratory for Teachers (3) This course is designed to familiarize teachers with simulation/games. It is designed to provide them with the ability to understand, use, and create simulation games for the classroom. Prereq: Graduation Standing.

8690 Teaching Adults to Read: A Course in the Teaching of Reading to Adults (5) Designed for secondary education personnel who wish to teach reading to adult learners. Prereq: Admission to the Graduate College.

8820 Introduction to Vocational Special Needs Students (3) Designed for secondary education personnel who wish to teach vocational courses to special needs students. Prereq: Admission to the Graduate College.

8830 Career Exploration & Occupational Readiness for Special Needs Students (3) This course involves the processes of diagnosing students' needs and planning instructional techniques for special needs students. Prereq: Admission to Graduate College.

8850 Microcomputers in the Educational Process (3) This course is designed to develop an awareness of the role of microcomputers in elementary and secondary schools. It provides an understanding of the capabilities and limitations of microcomputers, as well as their ability to improve current curriculum offerings and enhance instructional activities in the education of gifted individuals. Prereq: Admission to Graduate College; one year teaching experience.

8910 Guiding Gifted Students (3) A course designed to increase teacher awareness of the social and emotional needs of gifted students as well as develop skills that will assist gifted students in meeting their unique needs. Prereq: Admission to Graduate College.

8960 Creativity (3) This course focuses upon teaching and examining the nature of creativity and strategies for teaching and learning, including the rationale, the creative process, and the creativity of gifted and talented students. Prereq: Admission to the Graduate College.

8970 Practicum in Teaching the Gifted K-12 (3) This supervised practical experience is designed to give field experience to the teacher whose classroom may lack principles and educational needs for the education of gifted and talented students. Prereq: Admission to Graduate College and permission of instructor.

8980 Thesis (1-6) Independent research project required of all students taking Master of Arts degree. See major advisor.

9110 Problems of Teaching Reading—El­ementary (3) This is a beginning graduate course for elementary and secondary school personnel who wish to teach reading to adult learners. Prereq: Admission to Graduate College.

9120 Problems of Teaching Reading in the Secondary School (3) This course is designed for elementary or secondary teachers. Major emphasis will be given to the administration, organization, evaluation, selection, and use of materials for teaching reading from Kindergarten through the sixth grades. This is an independent study course. Prereq: Admission to Graduate College; one year teaching experience.
NON-DEGREE AREAS AND COURSE DESCRIPTIONS

Art
Graduate Art courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Chemistry
Graduate Chemistry courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Engineering Mechanics
Graduate courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Foreign Languages
Graduate Foreign Languages courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Home Economics
Home Economics graduate offerings at UNO may be used as a minor (HDF, Nutr. Mgt., or TDD) for those pursuing programs in another discipline. The minor portion should be determined in consultation with a designated member of the Graduate Faculty from Home Economics.

Admission to the graduate program in the College of Home Economics requires presentation of the baccalaureate degree from an accredited institution. Departments within the college may determine specific course deficiencies.

Application for a graduate degree program in Home Economics is to be made to Graduate Studies, Lincoln Campus. In addition to this, an important step to initiate a graduate program is to consult with the chairman of the appropriate department in Lincoln. Students should program with instructors in making such appointments. For a graduate degree in Home Economics, it will be necessary to take Home Economics courses on the Lincoln campus.

Interdepartmental area offers graduate work leading to the Master of Science or Master of Arts in Home Economics.

Students applying for study in the Interdepartmental Area must hold a bachelor's degree in Home Economics or its equivalent. The undergraduate work must have included the equivalent of 34 hours in Home Economics, distributed in at least three subject matter areas and 20 hours in Natural and Social Sciences, including a minimum of 9 hours in the Natural and 6 hours in the Social Sciences. Work leading to the master's degree in Home Economics may be completed under Option I, II, or III. (See Graduate Studies Bulletin-Lincoln, for additional information.)

The number of the four cooperating departments. Under any option not more than one-half of the total program for the master's degree, including thesis work when applicable, may be completed in the major subject matter areas. These subject matter areas are: Education and Family Resources; Human Nutrition and Food Service Management; Human Development and the Family, Textiles, Clothing and Design. At least 6 hours of the remaining work must be completed in one or more of the subject matter areas other than the major area. One additional supporting course to complete the program may be carried in cooperating departments or in the departments outside of the College of Home Economics.

Prerequisites: A candidate for the Master of Science degree must complete 20 hours of graduate work beyond the bachelor's degree. In addition to this, a minimum of 36 hours of graduate coursework must be completed prior to the candidacy for the master's degree. For the Master of Arts, 32 hours of graduate coursework must be completed prior to the candidacy for the master's degree.
I

biochemistry of proteins, carbohydrates and lipids.stry

tions in

istry may be taken concurrently.

4500 /8506 Advanced Inorganic Chem istry

ation of

Chem1Stry, reactions .

Ch em1Stry .2260 and

Introductory radiochemistry laboratory for Chem­

Prereq. Physical Chem­

3400 /8375 Advanced Inorganic Chemistry Laboratory

Co ncurrent to the

Chemistry: (Physical Chemistry may be taken concurrently.)

4590 /8595 Physical Chemistry Laboratory

Permiss ion of the instructor. (Same as

3700, 3705 Radiochemistry

(2) Lecture two hours and discussion one hour. A survey of

the basic principles of radiochemistry and their applic­

ations to the fields of biology, chemistry, and med­

icine. Chemistry 3704 to be taken concurrently.

Perrey. Physical Chemistry or graduate standing (Physical

Chemistry may be taken concurrently.)

3700 /8705 Radiochemistry

(2) Lecture two hours and discussion one hour. A survey of

the basic principles of radiochemistry and their applic­

ations to the fields of biology, chemistry, and med­

icine. Chemistry 3704 to be taken concurrently.

Perrey. Physical Chemistry or graduate standing (Physical

Chemistry may be taken concurrently.)

4250/8250 Advanced Organic Chemistry

(3) An advanced lecture course in modern theoretical

and special topics in organic chemistry. Perrey. Chemistry

2250 and Physical Chemistry, or grad­

uate standing. (Physical Chemistry may be taken concurrently.)

4260/8260 Advanced Organic Chemistry (2) Laboratory

(2) An advanced course in organic chemical reactions. Perrey. Chemistry 2260 and Physical

Chemistry: (Physical Chemistry may be taken concurrently.)

4520/8520 Experimen tal Stress Analysis I

The determination of structure and properties of materials used in engineering.

4520/8520 Experimental Stress Analysis I

The determination of the stress distribution in a material subjected to a given load. The

stress distribution is determined by the method of the instrument. Perrey. EM 3250.

3730.

3600/8600 Vibration Theory and Applications

Free and forced vibrations of mechanical and structural systems with various types of

damping. Harmonic and non­

3510 /8516 Advanced Inorganic Preparation

Laboratory (1) Laboratory course in the theoretical and practical study of inorganic

chemistry. Perrey. Chemistry 3510. (Chemistry 4500 may be taken concurrently.)

4500 /8500 Biochemistry

Chemistry and biochemistry of proteins, carbohydrates and lipids.

Enzymes and energetics. Biological oxidation. Chemical reaction. Physical Chemistry:

Chemistry 4646 to be taken concurrently. Perrey. Chemistry 2260, 2264 or 2274, and Physical

Chemistry or graduate standing. (Physical Chem­

istry may be taken concurrently.)

4654/8654 Biochemistry Laboratory (1) Bio­

chemistry laboratory for Chemistry 4650. Physical Chem­

istry: (Physical Chemistry may be taken concurrently.)

4655/8655 Biochemistry Laboratory (1) Bio­

chemistry laboratory for Chemistry 4650. Physical Chem­

istry: (Physical Chemistry may be taken concurrently.)

4660/8660 Biochemistry (3) Intermed­

iate methods of analysis, and biological and medical

chemistry. Perrey. Chemistry 4650, 4654, and Physical Chemistry or graduate standing. (Physical

Chemistry may be taken concurrently.)

4666/8666 Biochemistry Laboratory (1) Bio­

chemistry laboratory for Chemistry 4650. Physical Chem­

istry: (Physical Chemistry may be taken concurrently.)

4930/8936 Special Topics in Chemistry (1-

3) Selected special topics in chemistry. Perrey. Chemistry

3350 to 3400. Some topics will require additional prerequisites and will be accepted

for advanced coursework in chemistry.

4990/8995 Chemistry Seminar (1-3) Inde­

pendent student research. To guide the student in the development of a research project

in the field of chemistry. Permission of the instructor. (Arranged)
the scientific study of language: includes language description, history, theory, variation, and acquisition. The course is not open to majors in the discipline of linguistics, techniques, and phonetics. For credit, a minimum of 10 semester hours is required, plus 1 semester hour for each additional topic. Prerequisite: Spanish 3110 or permission of the instructor.

4590/8596 Bibliography and Methodology (1-2) An introduction to the basic bibliography and methodology of the study of language and literature. Prerequisite: Permission of the instructor.

4900/9006 Independent Study (1-3) Guided independent study under direct supervision of a member of the faculty. May be repeated with different topics, but not in the same semester, for a total of four semester hours. Prerequisite: Permission of the instructor.

4900/9006 Pro-Seminar (1-3) A detailed study of a particular phase of literature, language, or culture. Prerequisite: Permission of the instructor.

Spanish

4100/8106 Advanced Conversation and Composition (3) For graduate students who need a refresher course in conversation, grammar, and composition. Prerequisite: Graduate status.

4100/8106 Theater of The Golden Age (3) A course in the Spanish dramatists and plays of the sixteenth and seventeenth centuries, with emphasis on Lope de Vega, Tirso de Molina, and Calderon de la Barca. Prerequisite: For 4110, Spanish 3170 or permission of the instructor.

4110/8116 Novel of The Golden Age (3) Study of Spanish novelists of the sixteenth and seventeenth centuries, including such works as Quevedo's "The Spanish Tragedy," La Calendita, and Don Quijote. Prerequisite: For 4110, Spanish 3170 or permission of the instructor.

4160/8166 Latin American Literature of The Twentieth Century (3) Critical and analytical study of the important Latin American dramatists, poets, and essayists from modernism to the present. Prerequisite: Spanish 3220 or permission of the instructor.

4180/8186 Chicano Literature and Culture (3) In English, a study of the representative works of Mexican American, Chicano, and American writers, along with their cultural and historical antecedents. Does not apply to foreign language requirements. Prerequisite: Permission of the instructor. Prerequisite: English 3186.

4200/8206 Latin American Novel (3) Study of representative novels and novellas of the nineteenth and twentieth centuries, with emphasis on the works of contemporary authors. Prerequisite: Spanish 3220 or permission of the instructor.

4240/8246 Gender in Spain (3) Examination of the role of women in Spanish society from the early Middle Ages to the present. Prerequisite: Spanish 3160 or permission of the instructor.

4450/8556 Latin American Short Story (3) Representative studies of the nineteenth and twentieth centuries, from Romanticism to modernism. Prerequisite: 8100, 8110, and 8320 or permission of the instructor.

4500/8556 Modern Drama of Spain (3) Ideologies, techniques, trends, and influences of the major Spanish dramatists of the nineteenth and twentieth centuries. Prerequisite: Spanish 3180 or permission of the instructor.

4560/8566 Modern Novel of Spain (3) Analytical study of the representative Spanish novelists of the nineteenth and twentieth centuries from P. de Iberco to Unamuno. Prerequisite: Permission of the instructor.

4590/8596 Methodology of Linguistics (3) An introduction to the concepts and methodology of the scientific study of language, including language structure, sound system, syntax, and semantics. Prerequisite: Spanish 3160, junior standing or permission of the instructor.

4900/9006 Independent Study (1-3) Guided independent study under direct supervision of a member of the faculty. May be repeated with different topics, but not in the same semester, for a total of four semester hours. Prerequisite: Permission of the instructor.

4900/9006 Independent Study (1-3) Guided independent study under direct supervision of a member of the faculty. May be repeated with different topics, but not in the same semester, for a total of four semester hours. Prerequisite: Permission of the instructor.

4900/9006 Independent Study (1-3) Guided independent study under direct supervision of a member of the faculty. May be repeated with different topics, but not in the same semester, for a total of four semester hours. Prerequisite: Permission of the instructor.

Spanish

Home Economics

Human Nutrition and Food Service Management

8400 Advanced Foods (3) Chemistry of food, an examination of the nutritional trends of the twentieth century. Prerequisite: Departmental approval. Prerequisite: Permission of the instructor.

8500 Advanced Nutrition (3) Biochemical and physiological aspects of normal nutrition (offered summer) and obesity (offered fall). Prerequisite: Permission of the instructor.

8520 Clinical Nutrition (1-5) Normal nutrition considered in relation to the diseases which may result from malnutrition. Prerequisite: Departmental approval. Prerequisite: Permission of the instructor.

8530 Cultural Aspects of Diet (3) Cultural approach to development of the dietary patterns of various populations groups. Factors involved in food habits altered by sociocultural background. Prerequisite: FoodNut 2410, 9 hours social science or permission.

9530 Ecology of Malnutrition (3) Fundamental principles underlying the current world malnutrition problems and the effects of projected future problems and schemes for their prevention or solution. Prerequisite: FN 8500 and 8550, or permission of instructor.

Philosophy

Philosophy

3000/8005 The Philosophy of Space Exploration (3) This course deals mainly with the justification of space exploration in the face of conflicting needs. Topics to be studied include ob­ jects and the space program and responses to them, space benefits, space industrialization, plann­ ing for space exploration, space colonies, search for life elsewhere, and other related the­ oretical issues. Prerequisite: Graduate standing or permission of instructor.

3150/8155 Modern Developments in Physics (1880-1950) (3) A modern physics course for science teachers at the secondary level. Con­ cepts rather than mathematical rigor is stressed. Topics include: spectroscopy, electronic structure, nuclear structure, basic quantum concept of matter. Primarily for teachers who have not had an equivalent modern physics course within the past ten years.

3165 Current Topics in Science (1-3) The subject matter of this course will generally not be presented in a standard physics course and may be of an interdisciplinary nature. Some topics and their prerequisites will be listed in the schedule.

3750/8755 Electricity and Magnetism I (3) An advanced discussion of electrostatics and magnetics as well as e. c. theory. Prerequisite: Calculus, Physics 3250, or permission.

3760/8765 Electricity and Magnetism II (3) A course in electrostatics and magnetism. Includes Maxwell's equations and methods for their solution, boundary conditions, as well as energy, momentum, and transformations of the fields. Prerequisite: Physics 3750.

3850/8855 Thermodynamics and Statistical Mechanics (3) The topics of thermodynamics include temperature, pressure, and volume as functions of one or more variables. Prerequisite: Calculus and Physics 3250 as well as transport phenomena is given. Prerequisite: Calculus and Physics 3250 as well as transport phenomena is given.

3850/8856 Astrophysics (3) Physics and cosmology of the physical, chemical, and astrophysical evolution of the universe. Prerequisite: Physics 3250.

4160/8166 Modern Novel of Spain (3) A course in modern Spanish novelists from Unamuno, Martinez Ruiz, Valle-Inclan, and others. Prerequisite: Permission of the instructor.

4180/8186 Chicano Literature and Culture (3) In English, a study of the representative works of Mexican American, Chicano, and American writers, along with their cultural and historical antecedents. Does not apply to foreign language requirements. Prerequisite: Permission of the instructor. Prerequisite: English 3186.

4200/8206 Latin American Novel (3) Study of representative novels and novellas of the nineteenth and twentieth centuries, with emphasis on the works of contemporary authors. Prerequisite: Spanish 3220 or permission of the instructor.

4240/8246 Gender in Spain (3) Examination of the role of women in Spanish society from the early Middle Ages to the present. Prerequisite: Spanish 3160 or permission of the instructor.

4450/8556 Latin American Short Story (3) Representative studies of the nineteenth and twentieth centuries, from Romanticism to current pro­ ductions. Prerequisite: 8100, 8110, and 8320 or permission of the instructor.

4500/8556 Modern Drama of Spain (3) Ideologies, techniques, trends, and influences of the major Spanish dramatists of the nineteenth and twentieth centuries. Prerequisite: Spanish 3180 or permission of the instructor.

4560/8566 Modern Novel of Spain (3) Analytical study of the representative Spanish novelists of the nineteenth and twentieth centuries from P. de Iberco to Unamuno. Prerequisite: Permission of the instructor.

4590/8596 Methodology of Linguistics (3) An introduction to the concepts and methodology of the scientific study of language, including language structure, sound system, syntax, and semantics. Prerequisite: Spanish 3160, junior standing or permission of the instructor.

4900/9006 Independent Study (1-3) Guided independent study under direct supervision of a member of the faculty. May be repeated with different topics, but not in the same semester, for a total of four semester hours. Prerequisite: Permission of the instructor.

4900/9006 Independent Study (1-3) Guided independent study under direct supervision of a member of the faculty. May be repeated with different topics, but not in the same semester, for a total of four semester hours. Prerequisite: Permission of the instructor.
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