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Graduate Academic Catalog (1986-87)

University of Nebraska at Omaha

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University of Nebraska at Omaha
Graduate Catalog
1986-87

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 of 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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The University of Nebraska at Omaha
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BASIC INFORMATION AND SUMMARIES

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 on behalf of individuals, families, groups and societal 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
- Genealogy—MA, MS
- School Counseling/Elementary Level—MA, MS
- School Counseling/Secondary Level—MA, MS
- Special 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
- Criminal Justice—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—MM
- Political Science—MA, MS
- Professional Accounting—Master of Professional Accounting
- Psychology
- Educational Psychology—MS
- Industrial/Organizational Psychology—MS
- School Psychology—EdS, Certificate
- Developmental Psychology—Ph.D.*
- Experimental Child Psychology—Ph.D.*
- Industrial/Organizational 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, EdS
- Reading—MS
- 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
- Genealogy—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 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 endorses/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 studies by 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 advisers. The summaries contain the critical information for students and deadlines. 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 completing 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 (1) add or delete courses from its offerings, (2) change times or locations of any university programs, (3) change academic calendars without notice, (4) cancel any course for insufficient registration, (5) change grade policies or change rules, changes, 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 summer enrollment optional 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 not 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:

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 completing with all regulations of the University, the Graduate College and the departments of instruction as well as for meeting all degree requirements and deadlines.
UNIVERSITY OF NEBRASKA AT OMAHA

— 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 this 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, MAT) sent to the Office of Graduate Studies; applicants for Unclassified admission are not required to submit these test scores.

4. 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.

5. 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.

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

7. 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 advisors or with other departmentally approved advisors. At a minimum, before each registration period the students must meet with an advisor to arrange a class schedule for the upcoming semester; an advisor’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 reactivate 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 seeking to participate in the Commencement ceremony must order a cap, gown and hood from the Bookstore.

GRADUATION CHECKLIST

— Apply for graduation. See Academic Calendar in this catalog or contact the Registrar’s Office for deadline. If you apply for graduation and do not complete all of the requirements in time to graduate, notify the Graduate Studies Office as soon as possible so that your name may not be removed from the graduation list. You must reapply for graduation the following term; no additional fee is charged to reevaluate your application.

— Make arrangements to take final comprehensive examinations with your department.

— Incompletes from a previous term must be completed so that the grade will be in the Graduate Studies Office at least 12 working days before graduation.

— Pay all fees and fines and satisfy all obligations to the University at least 12 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 after 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.
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
First semester begins at 7:00 A.M. both day and evening classes.

Aug. 25
Change of class schedule.

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
Vacation; no classes.

Oct. 3
Last day for filing applications for degrees to be conferred in December.

Nov. 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
Thanksgiving vacation; no classes.

Dec. 1
University closed.

Dec. 5
Classes resume at 7:00 A.M.

Dec. 6
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
Change of class schedule.

Feb. 6
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.

Feb. 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 3-5
Finals.

May 6
Commencement.

May 7
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 Summer Session, 1987.

June 8-July 10
First Summer Session.

June 8-9, 10
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
Second Summer Session.

Aug. 15
Summer Commencement.

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, the Graduate Program Committee, serves the Graduate Faculty. The Dean of Graduate Studies, a campus Graduate Faculty and a campus Graduate Council for Graduate Studies and Research administers graduate programs and policies on that campus; serves as Dean of the Graduate Faculty and as presiding officer of the Graduate Faculty and councils thereof. The legislative and academic authority of the Graduate Faculty Fellows is vested in the Executive Graduate Faculty, comprising thirty Members elected by the faculty of the Graduate College and five graduate student members. Specific responsibilities of the Dean of the Executive Graduate Council can be found in the "University of Nebraska Graduate College Governance Document."

University of Nebraska at Omaha

On each 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 regarding students and programs on more than one campus. This Council consists of twelve elected faculty members and three graduate student members. Specific responsibilities of the Dean of the Executive 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 committee for these students, and vote on any matters presented to the Graduate Faculty including the election of the Executive Graduate Council and the specific 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 member must hold the rank of Assistant Professor or above.
2. The member must hold the terminal degree normally accepted for academic discipline in the field of study or its equivalent determined as described in 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 graduate teaching.
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, serve on the final examining committee for these students, and vote on any matters presented to the Graduate Faculty 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.
GENERAL INFORMATION
UNIVERSITY OF NEBRASKA AT OMAHA

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 lawfully be the basis for provision of such services. These programs, services and benefits include, but are not limited to, admission, class assign-
ment, scholarships and other financial and employment assistance, counselling, physical education and recreational services, and the membership of student organizations.

Further, UNO commits itself to encourage the participation of minority, women and handicapped students, to identify and eliminate the effects of any past discrimination in the provision of educational and related services and equal access to the facilities and educational benefits of the institution for all students.

Pursuant to this policy statement, UNO will undertake a continuing program of compliance with all federal, state, and local laws relating to equal educational opportunity and will not condone or tolerate any practices, verbally or otherwise, which are not in accordance with those addressing the obligations of the institution under Title VI of the Civil Rights Act of 1964 as amended, Title IX of the Education Amendments of 1972 and Sections 503 and 504 of the Rehabilitation Act of 1973.

Title IX Coordinator: Title IX of the Education Amendments of 1972 is a law forbidding discrimina-
tion based on sex. If you have complaints concerning discrimination that is Univer-
sity-related, you should contact Dr. Joe Davis, Assistant Vice Chancellor for Student Development Services, 113 Eppley Administration Building, Dr. Richard Hoover, Vice Chancellor for Educational and Student Services is the Title IX Coordinator; Dr. Hoover’s office is located in 211 Eppley Administration Building, 554-2746.

Handicapped Students, Section 504: The University of Nebraska at Omaha adheres to equal opportunity and affirmative action. The University does not discriminate against the handicapped. If students feel that they have been discriminated against because of a handicap, they should contact Dr. Joe Davis, Assistant Vice Chancellor for Student Development Services, 113 Eppley Administration Building or Ms. Barbara Hewins-Maroney, Coordinator for Special Programs, 117 Eppley Administration Building.

Most University programs, services and activities are accessible to the handicapped. The University is willing, where possible, to make inaccessable programs, services and activities accessible to handicapped persons by relocating them or by other means.

SPECIAL NOTE: UNO welcomes handicapped students. Section 504 of the Rehabilitation Act of 1973 does not allow us to make preadmission inquiries regarding handicapped condition. However, if you are handicapped and wish to receive information concerning available services, please notify us following your admission to UNO.

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 conducive to academic 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 harassment* shall 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.

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. All grounds that challenge such records may be legal or nonlegal. The Library collects student data from students before releasing identifiable data about students from records to other than a special list of exceptions. Students must be notified of what data is collected.

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 instructor has the responsibility for maintaining the attendance 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 of each class they will miss

Instructors or other University officials who may require students, individually or collectively, to be absent from their classes due to a field trip or other similarly recognized activity are responsible for providing adequate notice 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 unfunded 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 Eppley 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 is the practice of using the work (the ideas or words) 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 at 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 work, 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 1975 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 50,000 volumes, 444,000 microform items and 4000 items of audiovisual material. The total number of serials subscribed to is over 5,000, including almost 200 newspapers from around the world. Both issues in bound volumes and the microfilm are maintained in the University Library. The Library collects most federal and Nebraska state publications and also has documents from some other states and from the United Nations. Nearly all of the Library’s collection is on open shelves and is arranged according to the Library of Congress classification system. After obtaining an LIRS identification number at the Circulation Desk, University of Nebraska students, faculty and staff may check out library materials with LIRS authentication. Community users may obtain a borrower’s card for a small fee.

Study areas include tables and chairs, individual carrels and a formal seating area. Photocopying and photostating are available by the Department of Audiovisual Services. The main library is closed during the summer months.

Study areas include tables and chairs, individual carrels and a formal seating area. Photocopying and photostating are available by the Department of Audiovisual Services.
### University Campus Computing

The Office of Campus Computing is responsible for managing all facets of academic and administrative computing on the UNO Campus. The Campus Computing staff consists of 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 capability centers around four major systems: two VAX 11/780 computers with 64 megabytes of memory each, a VAX 11/785 computer and 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 — one equipped with Zenith microcomputers 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 on 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 top floor of the Arts and Sciences Building, the second floor of the Peter Kiewit Conference Center, and in the basement of the University Library. Consultation is 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 special 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 date schedule, 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 125 Eppley Administration Building. Application for financial aid should be made at the earliest possible time.

Courses which are added or registrants which occur after the completion of the fourth week of classes must be paid in full prior to posting by the Office of the Registrar. Students waiting until the final due date for payment of tuition and fees 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 bankcards for payment of any financial obligation.

### Graduate Admission Fee (Graduate College):

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident of Nebraska (see residency statute)</td>
<td>$41.75</td>
<td>$51.75</td>
</tr>
<tr>
<td>Non-Resident</td>
<td>$113.25</td>
<td>$123.25</td>
</tr>
<tr>
<td>Per Student Credit Hour through Off-Campus Program</td>
<td>$52.00</td>
<td>$62.00</td>
</tr>
</tbody>
</table>

### Programs administered by the University of Nebraska-Lincoln (includes all courses offered at the University of Nebraska at Omaha by the College of Engineering and Technology and the College of Home Economics):

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident of Nebraska (see residency statute)</td>
<td>$43.75</td>
<td>$53.75</td>
</tr>
<tr>
<td>Non-Resident</td>
<td>$119.00</td>
<td>$129.00</td>
</tr>
<tr>
<td>Per Student Credit Hour through Off-Campus Program</td>
<td>$54.50</td>
<td>$64.50</td>
</tr>
</tbody>
</table>

### Audit Fee:

The audit “not for credit” fee is set at one-half of the resident undergraduate or graduate tuition rate. For classes offered through the off-campus program, the audit “not for credit” fee is set at one-half of the off-campus undergraduate or graduate tuition rate. In addition, students registering for audit courses must pay the appropriate UPPF fee. Registration for audit requires the permission of the instructor and must pay the appropriate UPPF fee. Students who register to take a course subject to available class space after credit registration ends. Students who register to take a course not subject to available class space after credit registration ends. Students who register to take a course subject to available class space after credit registration ends.

### Laboratory/Special Instructional Fees:

Students enrolling in the following course sections are advised that laboratory/special instructional fees are charged for:

<table>
<thead>
<tr>
<th>Course Section</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art Laboratory Fee</td>
<td>$20.00</td>
</tr>
<tr>
<td>Biology 1020 Laboratory Fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Biology Laboratory Fee</td>
<td>$7.00</td>
</tr>
<tr>
<td>Ceramics Laboratory Fee</td>
<td>$20.00</td>
</tr>
<tr>
<td>Chemistry Laboratory Fee</td>
<td>$6.00</td>
</tr>
<tr>
<td>Communication 3110, Photography Laboratory Fee</td>
<td>$11.00</td>
</tr>
<tr>
<td>Electronics Laboratory</td>
<td>$3.00</td>
</tr>
<tr>
<td>English Department</td>
<td>$3.00</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>$3.00</td>
</tr>
<tr>
<td>Geography 1010, 1060, 1070 Laboratory Fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Geography 1020 Field Trip</td>
<td>$3.00</td>
</tr>
<tr>
<td>Geography 1170, 1194, 2754, 2764, 3104, 3450, 4310 Laboratory Fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Geology 1170, 3100 Field Trip</td>
<td>$5.00</td>
</tr>
<tr>
<td>Instructional Technology Core 2800</td>
<td>$5.00</td>
</tr>
<tr>
<td>Microcomputer Laboratory Fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Music: Equipment and Maintenance Fee</td>
<td>$15.00</td>
</tr>
<tr>
<td>Music: Instructional Fees</td>
<td>$15.00</td>
</tr>
<tr>
<td>Applied Music: Manditory for enrollment in voice and all instruments.</td>
<td>$15.00</td>
</tr>
<tr>
<td>One semester credit hour</td>
<td>$5.00</td>
</tr>
<tr>
<td>Two semester credit hours</td>
<td>$12.00</td>
</tr>
<tr>
<td>Three semester credit hours</td>
<td>$30.00</td>
</tr>
<tr>
<td>Learning Laboratory Fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Physics 1030, 1050, 1160, 1170, 1350, 3500, 3520, 3540, 3560 Laboratory Fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Photography 1010, Industrial Materials LS 847087867</td>
<td>$5.00</td>
</tr>
<tr>
<td>Printing 3120, 4010, 4530, 4540 Laboratory Fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Psychology 1262, 1029, 102A</td>
<td>$15.00</td>
</tr>
<tr>
<td>Psychology 3234</td>
<td>$20.00</td>
</tr>
<tr>
<td>Sculpture Laboratory Fee</td>
<td>$20.00</td>
</tr>
<tr>
<td>Special Education 4530, 4520 Basic Practicum</td>
<td>$20.00</td>
</tr>
<tr>
<td>Textiles, Clothing and Design 3250</td>
<td>$5.00</td>
</tr>
<tr>
<td>Vocational Business Education 1080, 1170, 1180, 2290</td>
<td>$5.00</td>
</tr>
</tbody>
</table>
Students requesting and receiving a Fund-A refund will no longer be entitled to the student activities supported by Fund-A Student Fees. 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 UFPF receives 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. The Fund-B of the UFPF is designated for services, staff salaries, maintenance of facilities and related expenses, and is laid out in additional items designated by the Chancellor. This portion is non-refundable and includes the second year with emphasis on continuing support. The Vice Chancellor for Educational and Student Services refers the concern 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 ........................................... $ .50

The NSSA fee is received by 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

Change of Program Fee (per each class changed) ................................ $ 5.00

Cap and Gown Rental (to be arranged through the Bookstore) ................. $ 3.00

Degree in Absentia (payable in addition to Graduation Fee) ......................... $ 2.00

Returned Check—per check .......................................................... $ 8.00

Unsolicited 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 returned check fee. If a check which was issued but later dishonored is returned due to a stop on deposit or payment of a past due account to release a "stop enrollment" is returned unpaid by the drawer before the account is paid, full restitution is not made within ten (10) days, the student will be suspended, current semester tuition and fees shall become due and full, and the individual shall be recommended for immediate disqualification.

**Teacher Placement Fees:**

Registration and Credential Fee
New Registrants (first year) .............................................................. $ 38.00
Fee covers establishment of permanent placement file, ten sets of credentials and the weekly Vacancy Bulletin may be obtained in the Office.

Alumni Re-Registrants (yearly fee) .................................................. $ 45.00
Fee covers update of placement credentials information, addition of new recommendations, ten sets of credentials and the Vacancy Bulletin if picked up in the Office.

**Optional Services:**

Vacancy Bulletin Mailing Fee
3rd class mailing ................................................................. $ 16.00
1st class mailing ................................................................. $ 29.00
Bulletin may be mailed to your home address. Bulletin is published bi-weekly from October through December, weekly from January through August.

Extra Credit Fee (over initial ten sets) ................................................ $ 2.50
Extra sets (each) ........................................................................ $ 2.00

**Late Fees and Penalties:**

Late Registration (day or evening classes) .............................................. $ 10.00
Late Payment of Tuition Billing ......................................................... $ 20.00
Restatement of Cancelled Registration ................................................ $ 10.00
Replacement of ID/Activity Card ......................................................... $ 5.00

**Student Refund Schedule:**

A student's tuition and fees are refundable up to the 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. The Fund-B of the UFPF is designated for services, staff salaries, maintenance of facilities and related expenses, and is laid out in additional items designated by the Chancellor. This portion is non-refundable and includes the second year with emphasis on continuing support. The Vice Chancellor for Educational and Student Services refers the concern to the Chancellor, who in turn submits the projections to the President and the Board of Regents for final approval.

**Regular Semester:**

Period of Drop/Withdrawal |
Percent Refundable |
Percent Chargeable
---|---|---
Before first official day of semester | 100% | 0%
First week of classes | 100% | 0%
Second week of classes | 75% | 25%
Third week of classes | 50% | 50%
Fourth week of classes | 25% | 75%
Fifth week of classes | 0% | 100%

**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 | 75% | 25%
Second weeks of classes | 50% | 50%
Third weeks of classes | 25% | 75%
Fourth weeks 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 opportunities for graduate study at any other MASUA university 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 adviser initiates the proposal for the student’s participation by contacting the professor at another MASUA university where the student wishes to study. The Graduates Dean at each MASUA university involved must concur in the proposed participation. During the time of participation, the student is responsible for paying fees to the home university. Additional information concerning the MASUA Traveling Scholar Program is available in the Office of Graduate Studies.

FINANCIAL AID FOR GRADUATE STUDENTS

President Graduate Fellowships

Each year two Presidential Graduate Fellowships are awarded to graduate students who are in the final year of their programs. The Fellowships are designed to allow outstanding students to concentrate their efforts on the completion of their thesis or dissertation requirements. As the Fellowships do not require the performance of any duties, the following criteria and procedures for selection of the Presidential Fellows have been approved by the UNO Graduate Council:

Criteria

1. The recipients must have demonstrated a high level of scholastic and personal accomplishment.
2. The recipients must have been admitted to candidacy and have completed at least half of the course work listed on their plans of study. It is expected that the recipients will complete the work for their degrees during the year in which they hold the fellowship.
3. Recipients must have at least a 3.5 cumulative G.P.A.

Nomination Procedures

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 and the nominee’s resume. Other documentation may also be submitted.
3. All nominations and accompanying documentation should be in the Office of Graduate Studies by June 15. A decision will be announced by July 1.

Selection Procedures

1. An ad hoc committee of the Graduate Council (one member from each committee; committees select their own representatives) will be charged with making a recommendation to the Dean for Graduate Studies and Research of three persons; two people plus an alternative.

Graduate Assistantships

Graduate Assistantships are available for qualified 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 departmental area about the availability of Assistantships and the procedure 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 Assistantships are also eligible for tuition waivers during the summer session. Graduate Assistantships may apply for a Graduate Assistant tuition waiver for undergraduate credit or course work that is required to meet a deficiency identified in the evaluation of the Graduate Assistant’s application for admission. This includes work in the basis for provisional admission to the graduate program, any other work in the basis for the Assistant’s respective department/area. The application must be recommended in writing by the adviser and department/area Graduate Program Committee; approval must be given 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

Recipient of any Graduate 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 in good standing in a degree program in the Graduate College. Recipients may not use funds from a graduate program for any reason shall result in simultaneous dismissal from any Graduate Assistantship position. The student will not be eligible for an Assistantship thereafter until fully reinstated in a graduate degree program.

II. Recruitment and Selection of Graduate Assistants

Each graduate department or other departmental areas 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

(1) The week 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 .33 FTE. The department in which the Graduate Assistant is employed should make arrangements with its Assistants regarding work load. In general, the Graduate Assistant’s work load shall not exceed the equivalent of .33 FTE in any one session. In the Graduate Faculty, the Assistant’s work load shall be the equivalent of one semester, unless his/her department/area provides otherwise.

(2) The Graduate Assistant shall, in each session, register a minimum of five credit hours in coursework that

(3) The Graduate Assistant shall not exceed the equivalent of one semester. Graduate Assistants may make informed decisions about the courses they wish to register for during the fall and spring semesters. However, two five-week summer sessions shall be equivalent to one semester. Graduate Assistants may register for courses with a maximum of ten semester hours in order to complete requirements for graduation.

IV. Duties

Duties assigned Graduate Assistantships 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.
6. Instructing and supervising undergraduate level laboratories or tutorial sections.

VII. Justification of New Assistantships

In order to obtain permission to create new Assistantships, whether funded by state appropriations or by outside grants, a brief statement of justification shall be submitted for approval of
Regents' Tuition Waivers

Regents' Tuition Waivers are available for a limited number of graduate students who have been admitted to graduate studies in a degree program. Eligibility is based on academic and personal merit. An application is available in the Office of Graduate Studies, Room 204, Eppley Administration Building.

Scholarships

Phi Delta Gamma, a national sorority for women, annually offers three scholarships of $250 each to women graduate and undergraduate students who have completed approximately one-half of their graduate work with an excellent record. The application deadline is March 1 and application forms are available in the Office of Graduate Studies, Room 204, Eppley Administration Building.

Loans

Graduate students are eligible to apply for National Direct Student Loans (NDSL), Guaranteed Student Loans (GSL), and ALAS Loan programs based on financial need. ALAS (Academic Loan Assistance Program) awards are based on need and are determined from information collected from the Financial Aid Form (FAF) which is available from the Financial Aid Office. The ALAS program is determined from information collected from the Financial Aid Form (FAF) which is available from the Office of Financial Aid. The Office of Financial Aid provides information and application forms for these programs.

Counseling Services

The Counseling Center offers two basic programs: Counseling and Testing. Counseling is provided to people who are not enrolled as students, but who are within the University community. Appropriate fees are charged for services to people who are not students or within the University.

Career Placement Services

Career Placement Services assists students and alumni from all colleges of the University in their search for career employment. Employment Counseling is available to all students and includes assistance in discussing career goals and related employment opportunities. Literature on local and national employers, career fields, job descriptions, salary surveys, employment trends and job-search techniques are also available.

Student Development Services

Career Placement Services assists students and alumni from all colleges of the University in their search for career employment. Employment Counseling is available to all students and includes assistance in discussing career goals and related employment opportunities. Literature on local and national employers, career fields, job descriptions, salary surveys, employment trends and job-search techniques are also available.

Counseling and Testing

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

Testing Center

The Testing Center is located in Room 115 of the Eppley Administration Building (62nd and Dodge) and is open during the day and early evening hours with the exception of weekends and announced university holidays. The telephone number is 554-2409.
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 with job interests where possible. Emphasis is placed on developing job-search 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 students to petition for services for the students. In accordance with Nebraska law (see 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 or (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 socially/economically disadvantaged student population as well as those special interest groups organized on campus to serve them. Minority student services is 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 with referral when necessary. Preventive health measures are a primary concern and include blood pressure checks, vision and hearing tests, insect 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. Mon. thru 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 accident 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.

SPECIAL INFORMATION FOR GRADUATE STUDENTS

ADMISSION TO GRADUATE STUDIES AT UNO

Every applicant for admission to graduate studies at UNO should understand that graduate work is of a more specialized nature and is not a simple extension of an undergraduate program but, rather, demands scholarship of a higher order, and emphasizes research, creativity and professional competence.

Admission Procedures and Regulations

A summary of the procedures for admission to graduate studies at UNO can be found on page 7 but also by students desiring graduate credit or for graduate credit to be transferred to some other university. In order to receive the required credit hours to graduate, all students must have received an official Certificate of Graduation from UNO. Under no circumstances will this or any agency or other institution. In order to be considered for admission in a given semester, all documents must have been submitted to the Office of Admissions no later than the following deadlines:

For Fall Semester: July 15
For Spring Semester: December 15
For First Summer Session: April 15
For Second Summer Session: June 15

The above deadlines are the minimum requirements for all programs. Some programs have earlier deadlines. Students in the MBA program are admitted only three times a year and applicants must have credentials on file by July 1 for the Fall semester and by December 1 for the Spring Session.

Students in the Counseling and Guidance programs are admitted only twice each year and have complete all requirements for admission by April 23 for either Summer Session and by November 30 for the Spring Semester.

Special Procedures for International Students

In order to be considered for admission to graduate studies at UNO, an international student whose language of instruction is not English must submit evidence of a TOEFL score of 550 or more and at least 1. A recommendation acceptable to the Office of Admissions from an English language program, where the student has spent at least one year and applicants must have completed all requirements for admission by April 23 for either Summer Session and by November 30 for the Spring Semester.

Categories of Admission to Graduate Studies

I. To a Degree Program
A. Unconditional Admission

Unconditional admission to graduate studies may be granted to an applicant who satisfies all of the following conditions:
1. has earned a baccalaureate degree from a regionally accredited institution;
2. has maintained a cumulative baccalaureate GPA of 3.0 or better;
II. To Unclassified (Non-Degree) Status

B. Provisional Admission

Provisional admission to graduate studies may be granted to an applicant who has less than a "B" average in undergraduate work, and who has been recommended by the University of Nebraska at Omaha for admission into graduate programs in Counseling and Special Education.

Provisional admission may be granted, and the applicant petitions for the inclusion of graduate credit to the Graduate Program Committee to provide evidence of an applicant's ability to perform at the graduate level. The UNO Graduate Faculty recognize the following tests, subject to department/area selection, for this purpose: the Graduate Record Examination, the Miller Analogies Test, and the Graduate Management Admission Test (GMAT) and the Miller Analogies Test (MAT).

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 and who have been granted the specified number of undergraduate credits toward the degree may be admitted to graduate study on the basis of these courses.

A. Senior Transfer Credit

Senior transfer credit is accepted in graduate study if the student has earned at least a "B" average in the undergraduate work being transferred.

B. Course Waivers

Course waivers are approved only for those courses in the applicant's program of study which are not offered at the University of Nebraska at Omaha. They must be substantiated by a letter from the student's academic advisor at the transfer institution indicating that the student is in good standing in a graduate-level degree program at the institution.

II. Temporary Admission

A. Unconditional Admission

Unconditional 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来说 students meeting with temporary admission must, within the first eight weeks of the semester, fulfill the Office of Admissions with all required materials by the cognizant department/area (including transcripts of all graduate and undergraduate work, one of which must show an earned baccalaureate degree and the student to fulfill the specified requirements of the graduate program. Admission to the University of Nebraska at Omaha for graduate study in the 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 the University of Nebraska at Omaha for graduate study in the Graduate Studies and Research 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 study in the Unclassified status or will be disenrolled from all graduate courses.

REQUIRED APTITUDE OR ADVANCED KNOWLEDGE TESTS

The scores on nationally recognized aptitude or advanced knowledge tests are used by each Graduate Program Committee to provide evidence of an applicant's potential to perform at the graduate level and to provide guidance in the development of an appropriate plan of study for each student admitted to the degree program. The UNO Graduate Faculty recognizes the following tests, subject to department/area selection, for this purpose: the Graduate Record Examination (GRE), the Graduate Management Admission Test (GMAT) and the Miller Analogies Test (MAT).

A student with Unclassified status is not required to submit scores on aptitude or advanced knowledge tests. Admission requirements for each degree program are determined by the cognizant Graduate Program Committee. Some departments/areas require that the scores on all designated tests be submitted: prior to admission; the applicant should consult the appropriate department/area about such requirements. Even when the scores are not required for the admission process, the UNO Graduate Faculty require that every student admitted to a degree program submit the score(s) on the designated test(s) during the first semester of enrollment.

The GRE, GMAT and MAT are administered at many sites throughout the nation and the world. At UNO, the tests are given under the supervision of the Coordinator of the Testing Center, Employment Administration Building. Information, registration forms and testing dates are available from the Testing Center or Office of Graduate Studies. A fee is charged and advanced placement may be required. Students should request the scores be sent to the Office of Graduate Studies; applicants for the Master of Business Administration or for the Master of Professional Accounting programs should also request that the scores be sent to the College of Business Administration or to the Accounting Program, respectively.

Graduate Record Examination

Unless otherwise specified, all students are required to submit scores on the general aptitude portions of the Graduate Record Examination. The advanced area test is also required in some departments/areas; students should contact their department/area for information.

Graduate Management Admission Test

Applicants for admission to the Master of Business Administration or to the Master of Professional Accounting programs are required to take the Graduate Management Admission Test (GMAT) prior to admission. Some other departments/areas accept the GMAT in lieu of the general aptitude portions of the GRE.

Miller Analogies Test

With department/area approval, graduate students in a number of programs may take the Miller Analogies Test for admission into graduate programs in Counseling and Special Education. Applicants for admission into graduate programs in Counseling and Special Education must take the MAT prior to admission.
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.

READMISSION 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 for the Graduate Program Committee in order to 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 Registrar.

ADMISSION TO CANDIDACY FOR THE DEGREE

Students are eligible to receive a graduate degree only if they have been formally admitted to candidacy for the degree and have satisfied all requirements. It is the students' responsibility to make application for admission to candidacy for the degree as soon as they are eligible to do so. Each application should provide evidence that the student is capable of graduate-level performance and should contain a coherent plan of study leading to the degree that conforms to all policies of the UNO Graduate Faculty and of the cognizant graduate department(s).

In order that a coherent plan of study be developed early in each graduate program, it is the policy of the UNO Graduate Faculty that the last 18 hours of the approved plan of study should be completed with courses taken at the University of Nebraska following admission to candidacy for the degree. In particular, no degree can be awarded in the same semester in which the student is admitted 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.
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 adviser or from the Office of Graduate Studies. The form should be completed by the student, in consultation with the major (and minor) adviser. For those candidates not writing a thesis, the application form should be signed by the adviser(s), who then submit the form to the department/area Graduate Program Committee. When the application has been approved by the department/area Graduate Program Committee the application should 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 adviser.

Guidelines for Construction of a Plan of Study

Every plan of study should 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 (0-509 or 0-909).
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 thirty-six semester hours of course work used to satisfy the requirements of a previous 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 plan.

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.

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 can be found in the Graduate Program 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 initiated 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 THESIS AND ED.D. 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 themselves, for the department and/or advisor, or for others. The cost of binding for the thesis is to be paid by the student before submitting the final copies of the thesis to the Office of Graduate Studies. The student must pay for the cost of binding all copies. The supervisory committee members on the approval of 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 a written or an oral examination. If the comprehensive is to be written, it will be arranged by the department/area Graduate Program Committee. If the comprehensive is to be oral, it will be arranged at the time of the oral examination over the thesis, at which time one-half of the examination may be devoted to the courses taken by the candidate, one-half to the thesis.

If the student has a defined minor, the minor adviser may require that the student take a comprehensive examination over the minor field. If such an examination is given, it should be given at a date arranged...
Studies. Such credits must be individually evaluated and approved by the appropriate Graduate Program Committee. 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 the equivalent of "B" or higher. Transfer of graduate credits from a course taken with a "P" grade (pass/fail option) must be recommended by the cognizant Graduate Program Committee, supported by a written evaluation from the instructor and approved by the Dean for Graduate Studies and Research. All work accepted for transfer of credit must have been taken within the prescribed time limits for graduate degrees and is subject to restriction if previously used to satisfy requirements for another graduate degree. 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 for the course in the time permitted. If the instructor determines that the instructor's approval is not available at the time of the student's application for removal of an "I," the department chairman or major professor must file the request of the Incomplete and turn in the permanent grade submitted. Incomplete grades on courses which are part of the degree requirements (except those taken in the final semester) must be removed after one semester;* check with the department or the Office of Graduate Studies for those courses excluded from the one semester requirement. Otherwise, it reverts to the grade of "F." A student who has been dismissed for failure to meet the Quality of Work standards may petition the cognizant Graduate Program Committee for any of the following: 1. unconditional reinstatement to the degree program (if appropriate); 2. reinstatement with Unclassified status in order to retain specific courses, with possible reevaluation to the degree program; 3. reinstatement with Unclassified status. The recommendation of the Graduate Program Committee will be forwarded to the Dean for Graduate Studies and Research; only the Dean can actually readmit the student. The student will be informed by the Office of Graduate Studies of the Dean's decision on the reinstatement petition.

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 the equivalent of "B" or higher. Transfer of graduate credits from a course taken with a "P" grade (pass/fail option) must be recommended by the cognizant Graduate Program Committee, supported by a written evaluation from the instructor and approved by the Dean for Graduate Studies and Research. All work accepted for transfer of credit must have been taken within the prescribed time limits for graduate degrees and is subject to restriction if previously used to satisfy requirements for another graduate degree.

Transfer of Credits Taken Outside the University of Nebraska: Students in a Master's degree program may request permission to transfer from other accredited graduate schools as many as four semester hours of credit on a thirty-hour program or nine semester hours of credit on a thirty-six hour program provided the courses are pertinent to the student's graduate program. In the Specialist in Education degree programs, six semester hours of work beyond the Master's level may be requested for transfer. Approval upon recommendation by the major adviser and with the approval of the Dean for Graduate Studies and Research. The total number of transfer credits may not exceed the number stated except by petition submitted by the student, recommended by the cognizant Graduate Program Committee and approved by the Dean for Graduate Studies and Research. The grade of the examination must be filed with the Office of Graduate Studies and must be approved by the cognizant Graduate Program Committee no later than twelve working days before conferral of the degree. "Incomplete" grades on courses which are part of the degree requirements (except those taken in the final semester) must be removed after one semester;* check with the department or the Office of Graduate Studies for those courses excluded from the one semester requirement. Otherwise, it reverts to the grade of "F." A student who has been dismissed for failure to meet the Quality of Work standards may petition the cognizant Graduate Program Committee for any of the following: 1. unconditional reinstatement to the degree program (if appropriate); 2. reinstatement with Unclassified status in order to retain specific courses, with possible reevaluation to the degree program; 3. reinstatement with Unclassified status. The recommendation of the Graduate Program Committee will be forwarded to the Dean for Graduate Studies and Research; only the Dean can actually readmit the student. The student will be informed by the Office of Graduate Studies of the Dean's decision on the reinstatement petition.

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 the equivalent of "B" or higher. Transfer of graduate credits from a course taken with a "P" grade (pass/fail option) must be recommended by the cognizant Graduate Program Committee, supported by a written evaluation from the instructor and approved by the Dean for Graduate Studies and Research. All work accepted for transfer of credit must have been taken within the prescribed time limits for graduate degrees and is subject to restriction if previously used to satisfy requirements for another graduate degree.
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 department/area 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.

COURSES OFFERED FOR GRADUATE CREDIT

Courses which are available for graduate credit are those which have been approved by the Office of Graduate Studies. Only 3- or 5-credit courses may be used for graduate credit, except as noted. Students will not be allowed to upgrade or retake courses previously taken for undergraduate credit. Students must consult department for provisions.

3- or 5-credit courses are open to both undergraduate and graduate students. Only 8-0 or 8-5 credit courses are open to graduate students only.

COURSES WITH THESE NUMBERS ARE OPEN TO GRADUATE STUDENTS ONLY. COURSES WITH THESE NUMBERS ARE OPEN TO BOTH UNDERGRADUATE AND GRADUATE STUDENTS. ONLY 8-0 OR 8-5 CREDIT COURSES ARE OPEN TO GRADUATE STUDENTS ONLY.

COURSES OFFERED FOR GRADUATE CREDIT

Courses which are available for graduate credit are those which have been approved by the Office of Graduate Studies. Only 3- or 5-credit courses may be used for graduate credit, except as noted. Students will not be allowed to upgrade or retake courses previously taken for undergraduate credit. Students must consult department for provisions. A numbering system is used to indicate the availability and level of courses for graduate credit, as follows:

3-8-5 (e.g., 3110/8115) or 4-8-6

3-8-5 courses are open to both undergraduate and graduate students only.

DROPPING COURSES

Students may drop courses after the last day identified in the academic calendar for that semester. Exceptions may be made when there are extenuating circumstances. Students requesting an exception must submit the instructor's certificate of permission to drop to the Office of the Registrar. The request must be obtained from the Dean for Graduate Studies and Research before the request to drop is submitted to the Office of the Registrar.

RESIDENCY REQUIREMENTS

All credit hours required 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 of fees, the student must be 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.

Declaring Withdrawal from All Courses

To officially withdraw from all classes and thereby from the University, and to receive any refund of fees, the student must be 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.

The grade of "Credit" would be entered in the Cashier's Office and published in the class schedule. Failure to withdraw after the last date identified in the academic calendar for that semester would render the student responsible for the entire tuition for the course(s) in which they are enrolled. If withdrawal is later requested, this action will be documented and the student will be charged a fee of $50.00, plus any carryover fees, for the semester in which the withdrawal is requested.
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 will be made and transmitted to the concerned parties within 40 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, Moeller, O’Dell, Shafer, Stasek, T. Weber
ASSISTANT PROFESSORS: Antlinger, 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 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 cr. hr. of Graduate Seminar (8010), 5-6 cr. hrs. in Independent Research in Biology (8020), and other appropriate courses to be determined by the student and his/her 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 time.
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BIOLOGY 41

DEGREE REQUIREMENTS

BIOLOGY

4102/8126 Problems in Ecosystem Management

4210/8216 Fire Ecology (3) Study of fire in ecosystems including characteristics of fire, effects on flora, fauna, and the abiotic environment, and use of fire in maintaining native ecosystems. Includes two, one-semester, weekend field exercises. Prereq: Biology 3340. Graduate standing in biology or permission of the instructor.

4220/8226 Population Biology (4) An exami-

nation of the principles of population ecology and some population generation including selection on individuals and groupings, models, life history characteristics, and population interactions. Outside project research required. Prereq: Biology 2160 and 3340 or permission of the instructor. Graduate standing.

4230/8236 Organic Evolution (3) A study of organ-

ization in terms of mechanisms which support the theory and the mechanisms involved in the course. Prereq: Biology 2160. Lecture and discussion only.

4270/8276 Animal Behavior (3) Behavior of diverse organisms for the understanding of the relationships between nervous integration and the behavior of the organism, as well as the evolution and adaptive significance of behavior as a functional unit. Prereq: Biology 1750 and Psychology 1101/8101. Graduate standing. Lecture only. (Same as Psychology 4270/8276.)

4300/8306 Animal Behavior Laboratory (1) Laboratory course designed to provide independent study of animal behavior with an ethological emphasis. Classical laboratory experiment and Independent studies will be conducted. Prereq: BiolPsych 4270/8276 or concurrent.

4310/8316 Microcomputers in Biology (2) A lecture/demonstration survey of microcomputer applications in biology and biological education. Prereq: Three hours of a college level computer course or written permission of instructor. Grad. standing.

4320/8326 Microcomputers in Biology Laboratory (2) An individualized laboratory course in which the student will complete selected biocomputing projects. Prereq: BiolPsych 4310/8316 or concurrent enrollment or written permission of instructor. Grad. standing.

4340/8346 Ichthyology (4) A study of the biology of fishes, including their evolution, anatomy, morphology, physiology, ecology, and classification with emphasis on North American freshwater fishes. Prereq: Biology 1750.

4350/8356 Lichenology (1) A study of the mor-

phology and ecology of lichenized fungi with laboratory emphasis on lichen recognition. Prereq: Biology 1750 or equivalent. Grad. Standing.

4370/8376 Physiology (3) A survey of the alge-

basics of physiological function and reaction with emphasis on North American groups. Field trips. Prereq: Biology 4700 or equivalent permission from instructor.

4380/8386 Herpetology (4) The biology of am-

phibians and reptiles, including their evolution, classification, morphology, physiology, ecology, distribution and identification with emphasis on North American groups. Prereq: Biology 1750.

4385/8386 Environmental Biology (4) A study of the principles of development of multi-

cellular organisms. Concepts of interactions at the biochemical, cellular, and tissue levels will be included. Prereq: Biology 1450 and Biology 1750, or permission of instructor.

4400/8406 Invertebrate Zoology (4) A compre-

hensive study of the invertebrate animals. Prereq: Biology 1750.

4410/8416 Protosozoology (4) The biology of protozoans, including their morphology, physiology, life history, and relationship to environment. Prereq: Biology 1750.

4420/8426 Parazitolology (4) Taxonomy, mor-

phology, physiology, life history, and classification of parasitic protozoans, helminths, and arthropods. Prereq: Biology 1750.

4490/8496 Entomology (4) The study of in-

sects, including morphology, physiology, life history, ecology, and evolution. Prereq: Biology 1750.

4510/8516 Vertebrate Embryology and Anatomy (4) Development and phylogeny of verte-

brate systems. Dissection of major vertebrate types, and study of developmental stages from fertilized egg to adult condition. Prereq: Biology 1750.

4530/8536 Vertebrate Anatomy (4) A compre-

hensive study of animal function emphasizing mechanisms of regulation and control. Prereq: Biology 4700, vertebrate anatomy, organic chem-

istry and physics, or permission of instructor.


4750/8796 Mammalogy (4) The biology of mam-

mals, including their evolution, functional morphology, physiology, ecology, taxonomic position, identification and classification with emphasis on North American groups. Prereq: Biology 1750.

4800/8806 Ornithology (4) A study of the prin-

ciples of development of multi-cellular organisms. Concepts of interactions at the biochemical, cellular, and tissue levels will be included. Prereq: Biology 1450 and Biology 1750, or permission of instructor.

4810/8816 Protozoology (4) The biology of pro-

tozoans, including their morphology, physiology, life history, and relationship to environment. Prereq: Biology 1750.

4820/8826 Parazitolology (4) Taxonomy, mor-

phology, physiology, life history, and classification of parasitic protozoans, helminths, and arthropods. Prereq: Biology 1750.

4890/8896 Entomology (4) The study of in-

sects, including morphology, physiology, life history, ecology, and evolution. Prereq: Biology 1750.

4900/8906 Vertebrate Embryology and Anatomy (4) Development and phylogeny of ver-

tebrate systems. Dissection of major vertebrate types, and study of developmental stages from fertilized egg to adult condition. Prereq: Biology 1750.

4910/8916 Protosozoology (4) The biology of protozoans, including their morphology, physiology, life history, and relationship to environment. Prereq: Biology 1750.

4920/8926 Parazitolology (4) Taxonomy, mor-

phology, physiology, life history, and classification of parasitic protozoans, helminths, and arthropods. Prereq: Biology 1750.

4930/8936 Ichthyology (4) A study of the alge-

basics of physiological function and reaction with emphasis on North American groups. Field trips. Prereq: Biology 4700 or equivalent permission from instructor.

4940/8946 Herpetology (4) The biology of am-

phibians and reptiles, including their evolution, classification, morphology, physiology, ecology, distribution and identification with emphasis on North American groups. Prereq: Biology 1750.

4950/8956 Vertebrate Embryology and Anatomy (4) Development and phylogeny of ver-

tebrate systems. Dissection of major vertebrate types, and study of developmental stages from fertilized egg to adult condition. Prereq: Biology 1750.

4960/8966 Advanced Genetics (3) A survey of the current concepts in genetics with emphasis on human and selected domesticated animal systems. Prereq: Biology 3340/8345, permission of instructor, graduate standing in biology.

4970/8976 Advanced Topics in Biology (1-3) This course will focus on the species problem and upon the experimental investigation of the prob-

lem. Readings, discussions, laboratory, and a written final report. Prereq: Graduate standing in biology and permission of the instructor.

4980/8986 Thesis (1-6) An original and indepen-

dent study of selected dynamic environmental factors and mechanisms of physiological adaptation by organisms of various taxa. Prereq: General physics, animal physiology, or permission of instructor.

8010 Seminar in Biology (1) A study of current research in any of the divisions of biology. Gradu-

ate students will complete this course once for credit. Prereq: Graduate standing.

8020 Independent Research in Biology (1-3) Research work under supervision of a graduate student or instructor. May be taken for credit; up to 4 credits for M.A. degree candidates, up to 4 credits for M.S. degree candidates. Prereq: Graduate standing and written permission of graduate faculty supervisor.

8060 Advanced Topics in Biology (1-3) Lec-

ture 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.

8070 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 more than once for credit up to a total of six credits. Prereq: Graduate standing and written permission of graduate faculty member.

8120 Biometrics (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 prob-

lem. Readings, discussions, laboratory, and a written final report. Prereq: Graduate standing in biology and permission of the instructor.

8190 Communities and Ecosystems (3) Advanced study of populations, communities and ecosys-

tems; may require overnight trips. Prereq: 1450/1750 or permission of instructor, graduate standing in biology.

8280 Plant Ecology (4) Advanced study of plant communities, their structure, dynamics and evolution including relationships with the environment and stress factors. Emphasis on plant population and community evaluation and analysis. May require overnight field trips. Offered fall semester. Prereq: 3340/8345, permission of instructor, graduate standing in biology. Biol. 3530/8535 recommended.

8830 Environmental Physiology (3) A detailed study of selected dynamic environmental factors and mechanisms of physiological adaptation by organisms of various taxa. Prereq: General physics, animal physiology, or permission of instructor.

8900 Scanning Electron Microscopy (3) Theor-

y and application of the scanning electron microscope. Prereq: 4310/8316. Students designed to provide exposure to biological specialties not offered in the regular curriculum. Included will be all aspects of specimen prepara-

tion, microscope function, dark field, fluorescent and phase-contrast microscopy, and interpretation of micrographs. Laboratory will include an individual student research project written under the supervision of a faculty thesis advisory committee.
BUSINESS ADMINISTRATION

ASSOCIATE PROFESSORS: Corporan, Fussler, Hefer, V. Johnson, Kared, LeBlanc, McGuen, Osman, Ott, Tam, Turner
ASSISTANT PROFESSORS: Jones, Sosin, Specht

The Master of Business Administration Degree

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

Courses in the program give the student an understanding of the principles of management, marketing and finance and a proficiency in the responsibilities of business. Also, the student is made aware of the societal, 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 x 200 + 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 Macroeconomics at the undergraduate level
- Accounting: BSAD 8110 or 1 year of Principles of Accounting at the undergraduate level
- Computers in Business: DSCI 2210
- Quantitative Methods and Statistics: BSAD 8170 or an equivalent course in each at the undergraduate level
- Production/Operations Management: DSCI 3500
- Business Law: LAW 3230
- Corporate Finance: ECON 3250
- Management Principles: MGMT 3490

English Composition is a required foundation course for all foreign students admitted to the MBA program. Business and Society is also required for all students.

Option Courses

Option #1 - Business Administration
- BSAD 8000 Quantitative Analysis: 3 hours
- BSAD 8010 Business and Society: 3 hours

Option #2 - Marketing
- BSAD 8410 Marketing Policies: 3 hours
- BSAD 8410 Seminar: In Marketing: 3 hours

Option #3 - Decision Sciences
- BSAD 8020 Research Methods in Economics and Business: 3 hours
- BSAD 8030 Business Conditions Analysis: 3 hours

Option #4 - Real Estate
- BSAD 8600 Real Estate and Land Use: 3 hours

Option #5 - Economics
- BSAD 8040 Marketing Policies: 3 hours
- BSAD 8050 Business Conditions Analysis: 3 hours
- BSAD 8030 Business Information Systems: 3 hours
- BSAD 8040 Applied Quantitative Analysis: 3 hours

Option #6 - Management
- BSAD 8300 The Environment of Management: 3 hours
- BSAD 8300 Seminar In Management: 3 hours
- BSAD 9200 Personnel Administration: 3 hours

Option #7 - Banking and Finance
- BSAD 8100 Financial Management: 3 hours
- BSAD 8510 The Environment of Management: 3 hours
- BSAD 8510 Seminar: In Investment Management: 3 hours

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- BSAD 8030 Business Information Systems: 3 hours
- BSAD 8040 Applied Quantitative Analysis: 3 hours

Option #6 - Management
- BSAD 8300 The Environment of Management: 3 hours
- BSAD 8300 Seminar In Management: 3 hours
- BSAD 9200 Personnel Administration: 3 hours

Option #7 - Banking and Finance
- BSAD 8100 Financial Management: 3 hours
- BSAD 8510 The Environment of Management: 3 hours
- BSAD 8510 Seminar: In Investment Management: 3 hours
8110 Survey of Accounting (3) The uses of accounting for purposes of control and decisions by management, and selected principles of financial accounting. This course cannot be used on a plan of study. Prereq: This course is for the graduate student who has completed the equivalent of the undergraduate level.

8170 Quantitative and Statistical Methods for Business Decisions (3) Elementary concepts in quantitative and statistical methodologies. Emphasizes applications of these concepts to a wide variety of methods. This course cannot be used on a plan of study. Prereq: Graduate standing and one year of college mathematics.


8200 Quantitative Analysis (3) The study of quantitative techniques and models and their application in business decision making. Prereq: Bus 2100 or Bl 2107.

8210 Business and Society (3) In this course the student explores the diversity of societal goals and pressures, both national and international, which produce continuing tension and conflict in the form of argument and action (struggle) in the world of today, and the future.

8500 Business Conditions Analysis (3) This course is concerned with the statistical measurement and evaluation of general business conditions. It includes the development of business policies as a basis for changing business conditions. Emphasis is placed upon the practical application of the statistical techniques of analysis of business conditions most commonly used in business environments.

8560 Business Forecasting (3) This course includes a comprehensive survey of forecasting methods and in-depth study of selected techniques most commonly used in business environments. Emphasis is given to implementation. Students will be required to develop forecasting models and test the performance of the models as part of their course. Prereq: Econ 2020 or BA 8180 or permission of instructor.

8600 Behavioral Economics (3) Эconomic analysis of the business firm and its environment, with emphasis on market structure, pricing, production, and the financial implications of marketing. Additional consideration is given to the theory of the firm under conditions of uncertainty. Prereq: Econ 2010 and/or 2020 or BA 8180.

8220 Manager: Vial Accounting (3) A study of concepts, analyses, and procedures of account utilizing internal financial and non-financial data which provides management with information for planning and controlling routine operations, for non-routine decision, policy making and long-range planning; and for external reporting to stockholders, governments, and interested parties. Prereq: Accountancy courses. Students with the equivalent of Managerial Accounting at the undergraduate level may substitute in BA 8210 or BA 8250. DS 2130.

8300 The Environment of Management (3) A study of the internal and external processes and their historical foundations. The course examines both the intra-organizational and inter-organizational processes of managerial planning, decision making, organizing and controlling as well as the external environment on these processes. A systems framework is used to examine the environment of management, which includes an examination of international factors on the practice of management.

8310 Human Behavior in Organization (3) An exploration of the social processes and current trends represented by a variety of theories of organization life, along with major concepts and ideas of organizational psychology. Prereq: MCB 3490 and written permission of the CBA Graduate Council.

8320 Personnel Administration (3) An examination of trends and methods employed in solving problems in personnel administration and human resource management. Efforts are made to select and present material to illustrate the practical application of the concepts of resource management and personnel administration, as related to human resource problems in organizations. Prereq: Econ 8310.

8350 Seminar in Management (3) A student participation seminar examining current issues and problems in the areas of management theory and operation. Prereq: BA 8350 and Bl 5310.

8400 Marketing Policies (3) A marketing management approach to the determination of marketing policies employed in solving problems in marketing and the selection and administration of marketing policies. Prereq: Mkt 3310.

8450 Seminar in Marketing (3) Exploration, study and critical analysis of current marketing problems, trends, methods and approaches for seminar discussion and written report. Prereq: BA 8400.

8500 Financial Management (3) Exams basic aspects of the elements of and the central financial activities of an enterprise with emphasis on analysis, alternatives policies for both short and long-term planning and application and evaluation of financial techniques of management. Prereq: Bl 5320.

8510 Security Analysis (3) Study of the efficient market, fundamental and technical analysis approaches for the valuation of securities. Techniques of analysis are considered for the economy, industry groups, and individual corporations. Prereq: Bl 5320.


8532 Business Forecasting (3) A study of concepts, analyses, and procedures of account utilizing internal financial and non-financial data which provides management with information for planning and controlling routine operations, for non-routine decision, policy making and long-range planning; and for external reporting to stockholders, governments, and interested parties. Prereq: Accountancy courses. Students with the equivalent of Managerial Accounting at the undergraduate level may substitute in BA 8210 or BA 8250. DS 2130.

8590 Seminar in Finance (3) Selected topics from areas of business finance. Prereq: Bl 5320.

8600 Real Estate and Land Use Economics (3) A course which brings together the best of the technical literature dealing with the development of advanced tools of analysis and concepts in Real Estate and Land Use Economics. The techniques are presented and developed which assist real estate decision-makers in identifying and solving problems. This is a highly professional course which determines the real estate production function, determines the effects of changes in land-use patterns. Prereq: Econ 2010 and/or 2020 or BA 8180.

8610 Current Problems in Real Estate and Land Use Economics (3) A study of current problems in real estate markets affecting decision policies in the private and public sectors and the role of real estate as a factor in the economic development of economies of land development and use and the re-use of real property to provide a viable environment for all citizens. Prereq: Re 2410, Bl 5320, Re 4520, and Re 4540 or equivalent experience.

8710 Structured Software Design (3) Concepts of software specification and design, with...
emphasizes current research and structured development methodologies. Techniques for analyzing and modeling distributed and connected software products, introduction to process design and development through appropriate course projects. Prereq: BA 8000 and DS 2510.


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, automation of business processes, and database technology. Prereq: DS 2510 and BA 8000.


8770 Seminar in Management Information Systems (3) Current issues, trends, and problems in information processing are critically examined. Topics vary by semester in such topics as information management, database management, software technology, hardware technology, and four generations languages. Prereq: BA 8000 and DS 2510.

CIVIL ENGINEERING

PROFESSORS: Beres, House, Taddich
ASSOCIATE PROFESSORS: Gibb, Lott, McMillan
ASSISTANT PROFESSORS: Keeler, 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 roads, structures, transportation systems, and mechanical systems. Special emphasis is placed on the analysis and design of structural systems, 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 work of the candidate 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 in his area of study. After an applicant has satisfied all requirements, all application materials are received by the Graduate College, UN-L, the chairperson of the committee will then make a recommendation, after consultation with the committee, on admission to the Graduate College.

Admission to Candidacy
Consult current Graduate Studies Bulletin, University of Nebraska-Lincoln

Graduate Work. Graduate work in Civil Engineering is governed by the general requirements of the Graduate College. Selection of the program and approval of courses selected is subject to the approval of the students advisor and the departmental Graduate Committee.

A student applying for admission should designate the primary minor in which he/she wishes to study. Major work for the Master of Science degree may be selected from the areas of structural engineering, transportation, environmental, and hydrologic engineering. The minor area may be selected from any of the related Civil Engineering departments. Other alternatives for approved courses will be selected from advanced or graduate courses having some relation to the major group.

Course Descriptions. Consult current Graduate Studies Bulletin, University of Nebraska-Lincoln.

COMMUNICATION

PROFESSORS: Bauer, Briehl, Carter, Cowdin, Frandell, Reilly, Wenzel
ASSOCIATE PROFESSORS: Carson, Williamson
ASSISTANT PROFESSORS: Furr, Johansson, Pribben, Sherer

Master of Arts

The Communication Master's Program has admission requirements and procedures in addition to those of the Graduate College. Interested students should contact the Graduate Dean for details on admission, degree requirements, and procedures. The Communication Master's Program may be granted to a student whose record includes the following:

1. Certification of a Bachelor's degree from a regionally accredited institution; (2) Documentation of having earned at least a 3.25 (on 4.00) grade point average in the undergraduate work, or at least a 3.00 average in the last half of the undergraduate average in the last half of the undergraduate work; (3) Inclusion of at least 15 undergraduate semester hours of appropriate courses in communication arts and sciences including sufficient advanced (upper division) preparation in the area of concentration.

Provisional admission may occasionally be granted for reasons of experience, maturity, or other circumstances to a student who has less than the grade point averages stipulated above — but in no case less than the provisional admission standards of the Graduate College, UN-L. Applicants who have more than three semester hours of deficiencies will be advised to remove them, or to offer substitute course work of the same type of admission.

In every case of provisional admission for any reason other than (1) lacking admission test (MAT) scores, or (2) less semester hours of deficiencies, provisional admission will be recommended to the UNO Graduate Dean only after approval by at least two-thirds of the graduate faculty members in the Communication Department. If granted provisional admission with this special approval, the student must complete Communication 8470 or 8570 or 8010 during the first enrollment period when one of these 18 semester hours is offered and pass it with a grade of B or higher.

Before deciding whether or not to recommend provisional admission, the Department's graduate faculty will require any one or any combination of the following:

1. Completion of prescribed course(s) — not for graduate credit — with a grade of B or higher.
2. Two written or oral recommendations from persons who are in a position to evaluate the applicant's potential for graduate studies.
3. Pass such test(s) as faculty members deem necessary in order to determine whether the applicant 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 and transactional communication in conjunction with research and theory. The core courses are Communication 8370, 8371, 8372, and 8373. Prerequisite: Graduate seminar research seminar completed successfully.

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 the thesis option or the non-thesis option.

Thesis option: Successful completion of 24 semester hours of coursework, plus a thesis (6 credit hours). A student must register for at least 6 credit hours of thesis each semester until the thesis is completed. A student must pass 18 hours of thesis outside the department may be counted toward requirements for the degree. The completed thesis is to be submitted for approval to the student's committee. The student also takes a comprehensive examination covering his or her 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 credit hours may be taken outside of the department. The student may be counted beyond the 8000 level 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; or with a written comprehensive examination covering the student's major emphasis and minor or area studies.
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 from the general Graduate Studies procedures are the different admissions deadlines for Counseling and Guidance.

The last date for completing all requirements for admission to the Department of Counseling and Guidance is April 23 for either Summer Session and the Fall Semester, and November 30 for the Spring Semester. Students are admitted to the programs in Counseling and Guidance twice each year.

If students wish to begin the program at a different time from when indicated, they may discuss this with faculty involved in the program.

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

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

I. Foundation Course

TED 8010, Introduction to Research

3 hours

II. Required Counseling Courses

COUN 8900, Principles of Guidance

3 hours

COUN 8240, Counseling Practices

3 hours

COUN 8270, Group Techniques

3 hours

COUN 8250, Counseling Theories

3 hours

COUN 8310, Counseling Techniques I

1 hour

COUN 8210, Practicum

3 hours

COUN 8260, Appraisal Techniques

3 hours

COUN 8290, Practicum

3 hours

COUN 8220, Advanced Practicum

4 hours

COUN 8560, Internship

3 hours

COUN 8290, Community Involvement for Urban Counselors

3 hours

III. Electives

5-9 hours

These courses are selected in consultation with advisor and in accordance with the student’s particular background and interests.

Total Usual Hours: 41-44 hours

Master of Science

Specialization in Elementary Counseling

I. Foundation Course

TED 8010, Introduction to Research

3 hours

II. Required Counseling Courses (30)

COUN 8200, Counseling Foundations

3 hours

COUN 8220, Counseling Practices

3 hours

COUN 8270, Group Techniques

3 hours

COUN 8226, Counseling Theories

3 hours

COUN 8250, Counseling Techniques I

1 hour

COUN 8210, Practicum

3 hours

COUN 8260, Appraisal Techniques

3 hours

COUN 8290, Practicum

3 hours

COUN 8220, Advanced Practicum

4 hours

COUN 8270, Group Techniques

3 hours

III. Electives (6)

All electives must be pertinent to specialization.

Total: 39 hours

Master of Science

Specialization in Secondary Counseling

I. Foundation Course (3)

TED 8010, Introduction to Research

3 hours

II. Required Counseling Courses (30)

COUN 8200, Counseling Foundations

3 hours

COUN 8220, Counseling Practices

3 hours

COUN 8270, Group Techniques

3 hours

COUN 8226, Counseling Theories

3 hours

COUN 8250, Counseling Techniques I

1 hour

COUN 8210, Practicum

3 hours

COUN 8260, Appraisal Techniques

3 hours

COUN 8290, Practicum

3 hours

COUN 8220, Advanced Practicum

4 hours

COUN 8270, Group Techniques

3 hours

III. Electives (6)

All electives must be pertinent to specialization.

Total: 39 hours

Master of Science

Specialization in Special Education

I. Foundation Course (3)

TED 8010, Introduction to Research

3 hours

II. Required Counseling Courses (30)

COUN 8200, Counseling Foundations

3 hours

COUN 8220, Counseling Practices

3 hours

COUN 8270, Group Techniques

3 hours

COUN 8226, Counseling Theories

3 hours

COUN 8250, Counseling Techniques I

1 hour

COUN 8210, Practicum

3 hours

COUN 8260, Appraisal Techniques

3 hours

COUN 8290, Practicum

3 hours

COUN 8220, Advanced Practicum

4 hours

COUN 8270, Group Techniques

3 hours

III. Electives (6)

All electives must be pertinent to specialization.

Total: 39 hours

Master of Science

Specialization in College Student Personnel Work

I. Foundation Course (3)

TED 8010, Introduction to Research

3 hours

II. Required Counseling Courses (25)

COUN 8510, The Student and Personnel Work in Higher Education

3 hours

COUN 8200, Counseling Theories

3 hours

COUN 8300, Counseling Techniques I

1 hour

COUN 8310, Counseling Techniques II

1 hour

COUN 8240, Counseling Practices

3 hours

COUN 8240, Counseling Techniques

1 hour

COUN 8270, Group Techniques

3 hours

COUN 8450, College Student-Personnel Internship

6 hours

III. Electives (12-18)

These courses are in accordance with the student’s particular area of interest; i.e., admissions and registration, career counseling, placement and financial aid, student services (counseling, testing, etc.), and housing, student union activities.

Total: 38-42 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. UNO offers a Certificate in Gerontology and a Master of Science Degree in Counseling and Special Education with Specialization in Gerontology.

The Gerontology Program offers courses leading to a Certificate in Gerontology. Students wishing to earn a degree in Counseling and Special Education with Specialization in Gerontology and a Certificate 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.

I. Foundation Course

TED 8010, Introduction to Research

3 hours

II. Required Counseling Courses

COUN 8900, Principles of Guidance

3 hours

COUN 8240, Counseling Practices

3 hours

COUN 8270, Group Techniques

3 hours

COUN 8226, Counseling Theories

3 hours

COUN 8250, Counseling Techniques I

1 hour

COUN 8210, Practicum

3 hours

COUN 8260, Appraisal Techniques

3 hours

COUN 8290, Practicum

3 hours

COUN 8220, Advanced Practicum

4 hours

COUN 8270, Group Techniques

3 hours

III. Electives (6)

All electives must be pertinent to specialization.

Total: 39 hours

IV. Gerontology

Fifteen graduate hours in gerontology are required except in some instances where a student has had undergraduate hours in gerontology. These courses are selected with the major advisor's assistance and in collaboration with the Gerontology Program.

V. Practicum and Internship

Practicum and Internship are arranged in cooperation with the Gerontology Program to meet both the Counseling Department and the Gerontology Program requirements for practical and field experience.

Usual total hours: 41-48 hours
Special Education Programs

Master of Arts: Speech Pathology

The Master of Arts degree with a major in speech pathology involves these requirements:

1. The applicant must give the University of Nebraska at Omaha Graduate College the Miller Analogies Test (MAT) along with scores sent to the Special Education Department of the University of Nebraska at Omaha Graduate College. A raw score of 35 on the MAT is required for initial entrance into the program. Students who do not meet this requirement must take the examination before applications are evaluated and processed to the Graduate College. 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). A raw score of 35 on the MAT is required for initial entrance into the program. Students who do not meet this requirement must take the examination before applications are evaluated and processed to the Graduate College. The MAT is required for initial entrance into the program.

4. Have successfully completed a minimum of thirty-nine semester hours of work preparatory to admittance to the master. These hours are to include the following courses or their equivalents:
   - SPED 1400, Introduction to Communication Disorders
   - SPED 4500, Speech and Auditory Training
   - SPED 4510, Basic Clinical Practicum in Speech Pathology
   - SPED 4520, Language Disorders in Childhood

5. For those students who wish to work toward special state certification in the schools, advisor consultation should be sought early since additional coursework is required (this additional coursework is beyond the requirements to those already holding state certificates in elementary or secondary teaching or a special education certificate in another field.)

6. Thirty-six semester hours of coursework and practicum. These hours may be taken from the following:
   - Required Courses:
     - SPED 8510, Advanced Clinical Practicum in Speech Pathology (Extermship)
     - SPED 8480, Advanced Audiology
     - SPED 8520, Advanced Clinical Practicum in Speech Pathology (Extermship)
     - SPED 8530, Seminar in Speech Pathology
   - Elective Courses:
     - Students may choose any of the courses in the area numbered 8000 or above, contingent upon advisor approval.

7. Thesis:
   - The thesis is required for those students who want to focus their graduate study in the area of special education. The thesis is required to be an original work and which is deemed acceptable by the advisor and which is deemed acceptable by the committee, following oral examination, which may include evidence of holding a thesis certificate in one of the following fields: elementary education, secondary education, K-12 special education.
   - Required Courses:
     - SPED 8990, Thesis (6 hrs.)

8. Pass a written comprehensive examination, administered under the direction of the Department Graduate Committee.

Master of Science: Teaching the Hearing Impaired Student

The Master of Science degree with a major in teaching the hearing impaired involves these requirements:

1. Admission 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 of the University of Nebraska at Omaha 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). A raw score of 35 on the MAT is required for initial entrance into the program.

4. Successfully complete a minimum of ninety-six semester hours of work preparatory to admittance to the major. These hours are to include the following courses or their equivalents:
   - SPED 1400, Introduction to Communication Disorders
   - SPED 4330, Speech Reading and Auditory Training
   - SPED 4370, Hearing Disorders

5. For those students who wish to work toward special state certification in the schools, advisor consultation should be sought early since additional coursework is required (this additional coursework is beyond the requirements to those already holding state certificates in elementary or secondary teaching or a special education certificate in another field.)

6. Sixty-six semester hours of coursework and practicum. These hours may be taken from the following:
   - Required Courses:
     - SPED 8206, History, Education and Guidance in Hearing Impairment
     - SPED 8225, Teaching Speech to the Hearing Impaired
     - SPED 8236, Language Development of Hearing Impaired Children
     - SPED 8437, Language of the Deaf
     - SPED 8536, Basic Audiology
     - SPED 8546, Speech Science I: Auditory and Speech Mechanism
     - SPED 8547, Hearing Science
     - SPED 8800, Special Projects
   - Elective Courses:
     - Students may choose any of the courses in the area numbered 8000 or above.

7. Pass a written comprehensive examination, administered under the direction of the Department Graduate Committee.

Master of Science: Mental Retardation

The Master of Science degree with a major in Mental Retardation is a program designed for a person wanting to focus his/her graduate study in the area of mental retardation with an emphasis on investigating a research project through the completion of a thesis. A student seeking an endorsement must complete all certification requirements in addition to the six hour thesis. A written examination is not required of students in this program. Students will be required to answer questions about coursework completed in the master's degree program during their thesis defense.

Master of Arts: Mental Retardation

The Master of Arts degree with a major in Mental Retardation is a program designed for a person wanting to focus his/her graduate study in the area of mental retardation with an emphasis on investigating a research project through the completion of a thesis. A student seeking an endorsement must complete all certification requirements in addition to the six hour thesis. A written examination is not required of students in this program. Students will be required to answer questions about coursework completed in the master's degree 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. maintain at least a "B" in each course of the first twelve hours of coursework.

Course Requirements

Students shall complete the following coursework:

- TED 8010 Introduction to Research (3 hours)
- SPED 8100 Psychology of Exceptional Children (3 hours)
- SPED 8105 Introduction to Mental Retardation (3 hours)
- SPED 8990 Thesis (6 hours)

The remaining coursework will be selected in consultation with the advisor. Students may take all of their coursework in mental retardation and related courses or may take 15 to 18 hours in mental retardation and 6 to 9 hours in a minor area of interest.

Master of Science: Teaching the Mentally 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 endorsement in mentally retarded or severely/multiply 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 to hold certification.

Course Requirements

- TED 8010 Introduction to Research (3 hours)
- SPED 8100 Psychology of Exceptional Children (3 hours)
- SPED 8626 Normal Language Development and Disorders for Teachers (3 hours)
- SPED 8626 Bilingual/Bilingual Language Development and Curriculum (3 hours)
- SPED 8626 Methods and Materials in Special Education (3 hours)
- SPED 8670 Methods of Instruction for the Severely/Profoundly Handicapped (3 hours)
- SPED 8670 Career Development for the Handicapped (3 hours)
- SPED 8666 Developing Vocational Training Programs for the Severely Handicapped (3 hours)
- SPED 8716 Integration of Professionals and Parents of the Handicapped (3 hours)
- SPED 8805 Emotional Development of Children and Youth (3 hours)
- SPED 8810 Classroom Techniques for Behavior Control (3 hours)
- SPED 8910 Theory of Assessment and Diagnosis of Learning Disabilities (3 hours)
- SPED 8910 Theory of Assessment and Diagnosis of Learning Disabilities (3 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. hold a Bachelor's degree with teaching certification in one or more teaching areas or complete the Miller Analogies Test within the first nine hours of coursework and take the Miller Analogies Test within the first nine hours of coursework, and
4. demonstrate his/her writing ability by preparing and submitting a paper, and
5. have completed coursework in learning theory, curriculum development, and methods of instruction.

Master of Science: Resource Teaching and Learning Disabilities

The Master of Science Degree with a major in Resource Teaching and Learning Disabilities is a specialized training program designed to prepare the graduate to diagnose, analyze, and teach children with specific learning disabilities within a comprehensive and diagnostic analysis and instruction in learning disabilities, child growth and development, curriculum development, and techniques of teaching. Upon successful completion of the program and two years of successful teaching experience students will be recommended for the Resource Teaching and Learning Disabilities endorsement. The students must complete a minimum of 36 credit hours including required professional courses, advanced student teaching and one comprehensive examination. A written comprehensive examination is not required of students choosing the thesis option. Thesis option students 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 teaching certification in one or more teaching areas or complete the Miller Analogies Test within the first nine hours of coursework and take the Miller Analogies Test within the first nine hours of coursework, and
4. demonstrate his/her writing ability by preparing and submitting a paper, and
5. have completed coursework in learning theory, curriculum development, and methods of instruction.
COUNSELING AND SPECIAL EDUCATION

4070/8076 Crisis Intervention and Suicide
(3) This course is designed to help develop basic counseling skills for application in gerontology.

5000 Special Studies in Counseling and Guidance
(4) Intensive course scheduled as regular seminars or workshops, according to pur.

5010 Teaching Models in Effective Educa-
(3) Study of teaching models in the effective areas of education, and a variety of models will be explored with special emphasis on planning and implementation in classroom situations.

6020 Principles of Guidance (3) A study of principles of guidance. This course is repeatable up to a maximum of six hours of credit each time the conditions of this sequence are met. Prereq: Permission of Instructor.

6080 (Same as TED 8085) Guidance Skills for Educators (3) Course designed to facilitate the development of skills needed by the educator's role in these activities, and to develop appropriate guidance and listening skills. No credit for guidance majors.

6230 Appraisal Techniques in Counseling and Guidance (3) Utilization of standardized and non-standarized appraisal techniques in counsel-

6250 Advanced Counseling Practicum (3-4) Continuation of SPED 8250 Counseling Practicum.

6260 Internship (3-6) Field experience in an approved guidance program under the supervision of a qualified counselor and a guidance profes-

6270 Group Techniques in Guidance (2-3) The group process with emphasis on the exper-

7000 Counseling Techniques I (1) Study of techniques related to contemporary theories of counseling. This course is to be taken concurrently with COUN 8200 Counseling Theories and COUN 8310 Counseling Techniques II. Prereq: COUN 8200, COUN 8250, and permission of instructor.

7210 Counseling Techniques II (1) Study of techniques related to contemporary theories of counseling. This course is to be taken concurrently with COUN 8200 Counseling Theories and COUN 8310 Counseling Techniques I. Prereq: COUN 8200, COUN 8250, and permission of instructor.

8100 Research Project in Counseling and Guidance (1-3) Individual or group study and analysis of specific problems in the field.

8200 Counseling Techniques and Theories (3) Study of contemporary theories of counseling, the counseling process, and the applications of skills related to specific counseling techniques. Prereq: COUN 8200 and concurrent enrollment in COUN 8300 and COUN 8310.

8210 Organization and Administration of Guidance Service in Secondary Schools (3) Study of organizational patterns and administrative practices in guidance and counseling pro-

8220 Counseling Practicum (3) Supervised experimental training in counseling. Prereq: Twenty hours of field training including COUN 8300 and COUN 8200.

Counseling and Guidance

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8220 Counseling Practicum (3) Supervised experimental training in counseling. Prereq: Twenty hours of field training including COUN 8300 and COUN 8200.
areas within student personnel services. Prereq: Permission of instructor.
4870 Practicum in Group Counseling (4) Supervised experience co-graduating group counseling site. Required as the third course for the cognate group of Area Work in Counseling. Prereq: COUN 8570 and permission of instructor.
5810 Alcoholism Treatment Modalities (3) An examination of various strategies associated with disorders of communication affecting older adults and geriatric patients. It is beneficial to students in gerontology, counseling and psychology, or speech pathology, as an elective course or as an alcoholism treatment module. Students working in these related fields. Students are assigned contacts with and written reports of contacts with an older adult in a graduate standing in COUN. Prereq: COUN 4530, 4556 Health Aspects of Aging, or permission of instructor.
4590/8596 Disorders of Communication in Older Adults (3) This course is designed to familiarize the student with the identification, symptomatology, basic assessment and intervention strategies associated with disorders of communication affecting older adults and geriatric patients. It is beneficial to students in gerontology, counseling and psychology, or speech pathology, as an elective course or as an alcoholism treatment module. Students working in these related fields. Students are assigned contacts with and written reports of contacts with an older adult in a graduate standing in COUN. Prereq: COUN 4530, 4556 Health Aspects of Aging, or permission of instructor.
exceptional children, and the various methodological theories of teaching language to exceptional children. Prereg: Special Education 4420

8480/8506 Emotional Development of Children and Youth (3) The study of psychology, biology, and sociological factors that influence emotional and social development of children and adolescents. Emphasis is placed on causative emotions, character development, and consequences for design of the learning environment. Prereq: SpEd 4000 or permission of instructor. Prereg: For 4800, SPED 3010 and junior standing.

8481/8486 Classroom Techniques for Behavior Control (3) This course will introduce the student to classroom techniques for managing behavior in the classroom. Major areas will be leadership skills and special techniques which will be practiced both in the class and in the student's own teaching situations. Prereq: Prereg: For 4810, junior standing and student teaching. For 8481, graduate student teaching.

8380 Practicum in Teaching Emotionally Disturbed (3) The first semester of participation is aimed at the development of the setting in the field of emotionally disturbed children. The course is designed to assist the student in the program preparing to teach emotionally disturbed and is open only to those students who are interested. Major emphasis is on the development of problem solving skills to be used in the classroom. Prereg: SpEd 8400, SPED 8600.

8440 Advanced Practicum in Teaching Emotionally Disturbed (3) The second semester of participation in a clinical or classroom situation in the field of teaching emotionally disturbed children. The course is designed to assist the student in the program preparing to teach emotionally disturbed and is open only to those students who are interested. Major emphasis is on the development of problem solving skills to be used in the classroom. Prereg: Successful completion of Steps 1 and 2 of the training program for teaching emotionally disturbed (see catalog).

8009 Special Projects (1-3) Seminar, work-study, independent study, or special topics. 8029 Teaching Handicapped Students in the Regular Classroom (3) This is a course designed to provide classroom teachers working with mildly handicapped students placed in their regular classrooms. The emphasis will be on effective instructional strategies for working with students and techniques for communicating with special educators. Co-requisites: Prereg: SpEd 4600.

8400 Dealing with Speech, Language, or Hearing Disabled Children: Help for the Classroom Teacher (3) This is a service course for the classroom teacher. It provides the following: the identification of children, referral within and outside the school setting, legal considerations, utilization of the speech-language specialist as a resource, and classroom techniques for teachers and teachers' roles on Student Assistance Teams (SAT), on Multidisciplinary Teams (MDT), and on Interdisciplinary Team (IDT) meetings. 8100 Research Projects (3) Individual or group study and analysis of specific problems. 8150 Diagnostic and Remedial Instruction in Reading (3) A diagnostic oriented course which will provide the student with effective instrumentation and remediation of reading disabilities. (F,S,Su) Prereg: SpEd 9110 or 9120.

8140 Measurement and Evaluation of Reading (3) A clinic oriented course for advanced graduate students which will provide them with supervision and training in the use of diagnostic procedures. (F) Students must register in the fall. Prereg: 8150.

8150 Clinical Practice in Reading (3) A laboratory oriented course for advanced graduate students in reading which will provide them with training in the use of proper remedial reading techniques. The student will work with one or more remedial reading specialists. (F,S,Su) 4 Prereg: Permission and SpEd 8140.

8340 Seminar in Pediatric Audiology (3) The course is designed for graduate majors in speech pathology, audiology, and education of the hearing impaired. It has a seminar format with guest lecturers. Topics to be covered include behavioral audiometry, electroacoustic, amplification, habilitation, cochlear implant, hearing and medical intervention screening, and techniques for evaluating the difficult-to-test. Prereg: Prereg: SPED 8500.

8400 Learning Disabilities (3) Study of special learning disabilities among children; review problems of terminology, criteria, and definition; causal and amplification problems; habilitation of the hearing impaired, hearing impairment, and medical and educational programming. Projects, surveys, annotated bibliography, class discussion and illustration of educational and social implications of the problems. (F) Prereg: Successful completion of Steps 1 and 2 of the training program for teaching emotionally disturbed (see catalog).

8260 Advanced Studies in the Disorders of Voice (3) The course is designed to acquaint individuals with the problems of voice and speech rehabilitation. It follows the emphasis on rehabilitation procedures associated with individual involvements; sensing an understanding of techniques applicable to the diagnosis and management of voice disorders; individual projects. Prereg: 8470.

8480 Basic Clinical Practicum in Speech Pathology (3) A laboratory oriented course which is the student's first experience in clinical practice. It is designed to give graduate students opportunities to observe, gain experience in a setting away from the school, and will involve close, meaningful counseling to the student. The student will be required to prepare assessment and diagnosis of auditory dysfunction. Prereg: SPED 8510.

8500 Basic Clinical Practicum in Speech Pathology (3) This course is designed for graduate students in speech pathology who will be involved in a setting away from the speech pathology clinic. Prereg: Successful completion of Steps 1 and 2 of the training program for teaching emotionally disturbed (see catalog).

8540 Cleft Palate (3) This course is designed for graduate students in speech pathology. Prereg: SpEd 9110 or 9120.

8550 Advanced Clinical Practicum in Communication Disorders (Schools) (3) This course is designed for graduate students in speech pathology who will be involved in a setting away from the speech pathology clinic. Prereg: Successful completion of Steps 1 and 2 of the training program for teaching emotionally disturbed (see catalog).

8600 Advanced Clinical Practicum in Communication Disorders (Hospitals and Rehabilitation Centers) (3) This course is designed for graduate students in speech pathology who will be involved in a setting away from the school. Prereg: Successful completion of Steps 1 and 2 of the training program for teaching emotionally disturbed (see catalog).

8700 Methods of Instruction for the Severely/Poorly Handicapped (3) This course will involve a combination of lectures, demonstrations, and practicum experiences designed to prepare the student for teaching low-level functioning children. Co-requisites: Prereg: Successful completion of all basic courses and basic practicum experience. A minimum of 130 clock hours of work is required for credit. Prereg: SPED 4530.
DEGREE REQUIREMENTS

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

8720 Basic Student Teaching (3) Classrooms with exceptional children for graduate students who have had other professional experiences. Students will participate in observation, participation, teaching, and a weekly seminar. (F.S.S)

8730 Advanced Student Teaching (3) A second semester of classroom experience with exceptional children for graduate students who have had other professional experiences. Students will participate in observation, participation, teaching, and a weekly seminar. (F.S.S)

8820 Educational Strategies for Emotionally Disturbed Children Adolescents (3) This course is designed for the professional teacher who is teaching or preparing to teach emotionally disturbed children and adolescents. The course will examine the causes and characteristics of a variety of maladaptive behaviors with a view toward identifying the child's needs and stressing the design of educationally responsive systems. Prereq: SPED 8406, 8806, 8816.

8870 Diagnostic and Remediation Techniques in Early Childhood Education for The Developmentally Disabled Child (3) This course deals with the techniques used at the Medical Center presenting some of the methods for assessing the developmentally disabled child and also presenting methods that can be utilized in intervention with the developmentally disabled child. (S) Prereq: 8806.

8900 Administration and Supervision of Special Education (3) Problems of organization, administration, and supervision of special education programs, federal involvement, legislation, litigation, due process, intermediate educational units, accountability, and physical facilities will also be presented. Prereq: Graduate Standing.

8910 Theory of Assessment and Diagnosis of Learning Disabilities (3) This course introduces the graduate student to a model assessment and diagnosis that describes both the qualitative and quantitative relationship between learning ability and academic achievement. Prereq: SPED 8400. For E.D. and L.D. majors, the completion of Step 1 Basic Diagnosis of Learning Disabilities.

8930 School Practicum in Resource Teaching/Learning Disabilities (3) This course provides the graduate student with the necessary experience or placement in a school program for the learning disabled in a resource room setting and at a level commensurate with the student's desired level of instruction (preschool, kindergarten, elementary, middle school, or secondary). Prereq: Step I and permission.

8950 Advanced Diagnosis of Learning Disabilities (4) The purpose of this course is to provide the student with in-depth practicum experiences in the administration and interpretation of normative, criterion-referenced evaluative measures (non-psychological), and the use of formal and informal diagnostic testing probes. Prereq: SPED 8910.

8970 Clinical Teaching in Learning Disabilities (3) Theoretical and limited practical knowledge of a particular kind of teaching, which is to tailor learning experiences to the unique needs of children who have specific learning disabilities. The student learns of the possibilities and continuous probing needed for individualized instruction. (F.S.S) Prereq: SPED 8950.

8990 Thesis (3-6) For graduate students taking the master of arts degree. See major adviser for information. (F.S.S)

8720 Basic Practicum in Special Education (3) This course provides participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the area of interest of the student. (F.S.) Prereq: Master's degree and acceptance in the ed spec program.

8700 Seminar in Special Education (3) A second semester of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the area of interest of the student. (F.S.) Prereq: SPED 8400. Required of all students taking the master of arts degree in special education. (student selects five (5) courses with advisor approval) 8800 Seminar in Police and Society 8820 Seminar in Corrections 8830 Seminar in The Criminal Court System 8840 Seminar in Criminal Law and Procedure 8850 Seminar in Clinical Criminology 8860 Criminal Justice Organization, Administration, and Management 8870 Criminal Justice Planning and Change 8880 Independent Study 8890 Special Problems in Criminal Justice 8910 Correctional Law 8920 Community Based Corrections 8930 Completion and Successful Defense of Thesis 6 hours

*All courses, except 8000, carry three hours credit.

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 degree with 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, as the Counselor Option is designed for those who wish to work with juvenile and adult offenders in the criminal justice system.

Elective Criminal Justice Courses (student selects five (5) courses with advisor approval) 8900 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 Juvenile Justice 8960 Seminar in Theoretical Criminology 8970 Criminal Justice Organization, Administration, and Management 8980 Criminal Justice Planning and Change 8990 Independent Study 8991 Special Problems in Criminal Justice 8992 Correctional Law 8993 Community Based Corrections 12 hours

Elective Cognitive Courses

In consultation with an 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

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>8020</td>
<td>Professions in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>8070</td>
<td>Seminar in the Nature of Crime</td>
<td>3</td>
</tr>
<tr>
<td>8080</td>
<td>Seminar on Criminal Justice Research Theory and Methodology</td>
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Required Public Administration Courses

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>8300</td>
<td>Survey of Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>8410</td>
<td>Seminar in Organizational Development in Public Agencies</td>
<td>3</td>
</tr>
<tr>
<td>8460</td>
<td>Public Budgeting</td>
<td>3</td>
</tr>
<tr>
<td>8480</td>
<td>Seminar in Public Financial Administration</td>
<td>3</td>
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<tr>
<td>8416</td>
<td>Public Personnel Management</td>
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Elective Criminal Justice Courses

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<td>3</td>
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<td>8080</td>
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<td>3</td>
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<td>8090</td>
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<tr>
<td>8100</td>
<td>Criminal Justice Organization, Administration, and Management</td>
<td>3</td>
</tr>
<tr>
<td>8110</td>
<td>Criminal Justice Planning and Change</td>
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<tr>
<td>8140</td>
<td>Independent Study</td>
<td>3</td>
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<tr>
<td>8200</td>
<td>Criminal Justice Research Theory and Methodology</td>
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<tr>
<td>8270</td>
<td>Group Techniques in Guidance</td>
<td>3</td>
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<tr>
<td>8350</td>
<td>Group Counseling Procedure and Practice</td>
<td>3</td>
</tr>
<tr>
<td>8356</td>
<td>Community Based Corrections</td>
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Elective Counseling Courses

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<tbody>
<tr>
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<td>3</td>
</tr>
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<td>8350</td>
<td>Community Based Corrections</td>
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</table>

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*

<table>
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<tr>
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<tr>
<td>8070</td>
<td>Seminar on Criminal Justice Research Theory and Methodology</td>
<td>3</td>
</tr>
<tr>
<td>8080</td>
<td>Seminar in Administration of Justice</td>
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</tr>
<tr>
<td>8010</td>
<td>Criminal Justice Organization, Administration, and Management</td>
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<tr>
<td>8240</td>
<td>Counseling Practices</td>
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</tr>
<tr>
<td>8900</td>
<td>Principles of Guidance</td>
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</tbody>
</table>

In consultation with an advisor the student selects two (2) additional counseling courses. Suggested courses include, but are not limited to the following:

8270 | Group Techniques in Guidance
8370 | Crisis Counseling Theory and Practice
8376 | Crisis Intervention/Suicidology
8200 | Counseling Theories

Elective Criminal Justice Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>8400</td>
<td>Seminar in Police and Society</td>
<td>3</td>
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<tr>
<td>8050</td>
<td>Seminar in Corrections</td>
<td>3</td>
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<tr>
<td>8060</td>
<td>Seminar in the Criminal Court System</td>
<td>3</td>
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<tr>
<td>8070</td>
<td>Seminar in Criminal Law and Procedure</td>
<td>3</td>
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<tr>
<td>8080</td>
<td>Seminar in Juvenile Justice</td>
<td>3</td>
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</tbody>
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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, "protection of others", "victims", "rights", 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 the offender. Prereq: None.

6080 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 students with a critical understanding of responses to crime. Particular emphasis is placed on theory and research bearing upon the effectiveness of the policies and strategies of the principal institutions of the criminal justice system - the police, courts and corrections. Admissibly, philosophical and practical matters pertaining to "justice" and "fairness" in the administration of the criminal law are explored. Prereq: Graduate Standing and permission.

8030 Criminal Justice Research Theory and Methodology (3) A study of the etiology of crime as a social phenomenon and an examination of the historical influences and thought which molded its development into an accepted contemporary science. Prereq: CaSc/3350, graduate standing and permission of instructor.

8110 Criminal Justice Organization, Administration, and Management (3) This course will deal with the organization and administration of modern justice agencies. The students will be exposed to theories, concepts, and issues relating to the administration and organization of justice agencies. Prereq: Acceptance in the graduate college program, satisfactory completion of prerequisite coursework, and permission of instructor.

8110 Criminal Justice Planning and Change (3) This course provides an introduction to the basic concepts, theories, and issues in criminal justice planning. Course content includes examination of planning data sources and application of
8200 Special Problems in Criminal Justice (3) A study of selected issues in criminal justice. Prereq: Consent of instructor. (1-5)

8990 Mosier's Thesis (1-6)

DEGREE REQUIREMENTS

8510/8526 Acting: Historical Periods and Styles (Each 3) The fundamental theories and practices of major styles of acting from ancient Greece to the present. Emphasis on the sources, background, and configuration of theatrical styles in this century. Prereq: DA 1010, 4710, 4720 and English 2520 or permission. (Each 3)

8736 Seminar in Theatre History (3) A course devoted to an exploration and analysis of the history of theatre and its literature from its origins to 1642. Prereq: Permission of the instructor. (3)

8726 History of the Theatre Since 1642 (3) A historical survey of the theatre and its literature from 1642 to the present. Prereq: DA 1010, 2000, 2620 and senior standing. For 8626, graduate standing or minor in theatre or permission of the instructor. (3)

8767 Stage and TV Lighting (3) Characteristics and techniques of stage and television lighting. Prereq: DA 1010, 3510 and D 3660 or its equivalent. (3)

8910 Dramatic Theory and Criticism (3) For advanced students in dramatic literature. Emphasis on the sources, background, and configuration of theatrical styles in the 20th century. Prereq: DA 1010 or permission. (3)

8920 Seminar in Contemporary Theatre Aesthetics (3) Research and dialogue in the aesthetics and philosophical problems of the relationships between dramatic form, theatre architecture, and scenic design and lighting from historic and contemporary theatre. Prereq: DA 4710 or permission. (3)

8990 Thesis (1-3) Independent research project written under the supervision of an advisor. (1-3)

ECONOMICS

PROFESSORS: Lee, Nielsen, Sindt, Zahn
ASSISTANT PROFESSORS: Corcoran, Karel, Tener

The graduate program in Economics is designed to provide a solid background in theory, quantitative methods and application appropriate to the needs of economists involved in forecasting, simulation, financial analysis, and related work. Admission is based on GPA, undergraduate field of study and the GRE results.

Master of Science

The M.S. program consists of core requirements (15 hours), an elected specialization (6 to 12 hours), electives (6 to 12 hours depending on the specialization elected), and lid a comprehensive examination in the area of specialization. No thesis is required for the M.S. degree. All courses are 3 credits. Total hours required: 27.

Each student must complete the core requirements.
ECON 8290, Research Methods in Economics and Business

Core (15 hours)

- ECON 8290, Research Methods in Economics and Business

Electives

- ECON 8290, Research Methods in Economics and Business

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

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

Suggested Specializations

I. Economic Theory

- ECON 8180, Seminar in Labor Economics
- ECON 8456, Monetary Theory and Policy
- ECON 8650, Seminar in International Economics
- Electives

II. Energy and Regulatory Economics

- ECON 8216, Industrial Organization
- ECON 8451, Seminar in Energy and Environment
- ECON 8160, International Energy Economics
- Electives

III. Monetary and Financial Economics (select 4 courses)

- ECON 8010, Public Finance
- ECON 8456, Monetary Theory and Policy
- ECON 8451, Seminar in Money and Banking
- Electives

IV. International Economics (select 3 courses)

- ECON 8030, Seminar in International Economics
- ECON 8516, International Trade
- ECON 8660, International Monetary Economics
- ECON 8665, International Economic Development
- Electives

V. Urban/Regional Economics (select 4 courses - 12 hours, 6 of which must be in Economics)

- ECON 8060, Seminar in Urban Economics
- ECON 8870, Seminar in Environmental Economics
- ECON 8999, Research in Urban/Regional Economics
- GEO 8160, Urban Geography
- HIST 4366, American Urban History to 1870
- HIST 8330, American Urban History since 1870
- SOC 8160, Urban Sociology
- Electives

Electives (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, Research Methods in Economics and Business
- ECON 8290, Microeconomic Theory
- ECON 8290, Macroeconomic Theory
- ECON 8530, Quantitative Applications in Economics and Business
- ECON 8300, Econometrics

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

Suggested Specializations

I. Real Estate and Land Use Economics

- BA 8600, Real Estate and Land Use Economic Theory
- BA 8610, Current Problems in Real Estate
- BA 8910, Thesis

II. Urban Economics

- ECON 8030, Seminar in International Economics
- ECON 8516, International Trade
- ECON 8660, International Monetary Economics
- ECON 8665, International Economic Development
- Electives

III. Urban Planning

- ECON 8060, Seminar in Urban Economics
- ECON 8870, Seminar in Environmental Economics
- ECON 8999, Research in Urban/Regional Economics
- GEO 8160, Urban Geography
- HIST 4366, American Urban History to 1870
- HIST 8330, American Urban History since 1870
- SOC 8160, Urban Sociology
- Electives

IV. International Economics

- ECON 8030, Seminar in International Economics
- ECON 8516, International Trade
- ECON 8660, International Monetary Economics
- ECON 8665, International Economic Development
- Electives

V. Urban/Regional Economics

- ECON 8060, Seminar in Urban Economics
- ECON 8870, Seminar in Environmental Economics
- ECON 8999, Research in Urban/Regional Economics
- GEO 8160, Urban Geography
- HIST 4366, American Urban History to 1870
- HIST 8330, American Urban History since 1870
- SOC 8160, Urban Sociology
- Electives

Additional consideration is given to the theory of the firm under conditions of uncertainty. Prerequisite: Graduating standing in the college of business administration.

II. All other specializations are the same as those described under the M.S. program.

Electives

- ECON 8990, Thesis

**Note: written under the supervision of a member of the REALM program.**

6 hours

6180/8216 Industrial Organization (3) An analysis of the structure and behavior of industries and their effect on economic performance. Includes demand and supply analysis, market structure, and theory of the firm. Prerequisite: Econ 2010, 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. Prerequisite: Econ 2010, 2020 or permission of the instructor.

4320/8326 Natural Resource Economics (3) The study of the environmental economics of natural resources. Prerequisite: Econ 2010, 2020 or permission of instructor.

4450/8456 Monetary Theory and Policy (3) This course traces the development of monetary theory from the classical to the modern theories. Prerequisite: Econ 3220 or permission of the instructor.

4610/8616 International Trade (3) An analysis of the character of international economic relations. Prerequisite: Econ 2010, 2020 or permission of instructor.

4620/8626 International Monetary Economics (3) An analysis of the international monetary system. Prerequisite: Econ 2010, 2020 or permission of instructor.

4660/8666 International Economic Development (3) Problems relating to early stages of economic development. Prerequisites: Econ 2010, 2020 or permission of the instructor.

8010 Theory of Public Finance (3) This course is designed to teach the basic theory of public finance, including the time value of money, the effects of taxation, and the role of government in the economy. Prerequisites: Econ 3220, 3230 and 6320 or permission of the instructor.

8050 Economic Education (3) A study and examination of economic principles and how they can be applied to classroom teaching. Prerequisite: Econ 2010, 2020 or permission of the instructor.

8160 Seminar in Labor Economics (3) A study and investigation of current developments in labor economics and issues involving labor unions, labor relations, wage policies and employment. Prerequisite: Econ 2010, 2020 and permission of the instructor.

8200 Seminar in Micro Theory (3) This course deals with the current state of microeconomic theory. Prerequisite: Econ 2010, 2020 and permission of the instructor.

8210 Managerial Economics (Same As BA 8100) (3) Microeconomics for graduate students of business. Prerequisites: Econ 2010, 2020 and permission of the instructor. Additional consideration is given to the theory of the firm under conditions of uncertainty. Prerequisite: Graduating standing in the college of business administration.

8220 Seminar in Macro Theory (3) This course traces the development of macroeconomic theory from the classical to the modern theories. Prerequisite: Econ 3220 or permission of the instructor.

8230 Business Conditions Analysis (Same As BA 8050) (3) Business conditions analysis is designed to develop the theoretical basis of modern business conditions analysis. This course is designed to teach the basic theory of public finance, including the time value of money, the effects of taxation, and the role of government in the economy. Prerequisites: Econ 2010 or permission of the instructor.

8290 Research Methods in Economics and Business (3) A study of current quantitative research methods and their applications in economics and business. Prerequisites: Econ 2010 and 3220 or permission of the instructor.

8300 Econometrics (3) The study of the underpinning assumptions, techniques, and applications of single and multiple equation regression analysis in economics. Prerequisites: Econ 8306 or 8290 or permission of the instructor.
course. Cross-listed with BA 8080. Prereq: BA 8080 or ECON 8300 or Permission of Instructor.
8450 Seminar in Money and Banking (3) (Each) Study of the theory of international trade and the working of the international monetary system. Prereq: Econ 2650 or 4650 or permission of instructor.
8850 Seminar in Urban Economics (3) An examination of contemporary social and political issues of urban economic problems with emphasis upon the formulation of appropriate policy. Prereq: Graduate standing in Economics or permission of instructor.
8990 Thesis (1-6) An independent research project written under the supervision of a graduate instructor. Prereq: Graduate standing. (Each)
8000 Special Studies in Educational Administration and Supervision (3) A part of these courses especially designed for educational administration and supervision as approved by the Department of Educational Administration and Supervision: Prereq: Permission of graduate advisor.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

PROFESSORS: Artisbaugh, Kellum, O’Reilly, Petrie, Roekens, Waterman, D. Weber
ASSOCIATE PROFESSORS: Ward
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 license in both the elementary or secondary teaching level. The degree program requires coverage of the major areas of administration, supervision and administrative evaluation. An applicant for admission to the program for the Master of Science degree in educational administration and supervision (without endorsement) must hold a Bachelor's degree from an accredited institution.

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 application for admission to the Specialist in Education degree (without endorsement) in the Department of Educational Administration and Supervision must be made to either the Elementary or Secondary level. 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.

8870 Seminar in Regional Economics (3) An examination of the current developments and issues in regional economics. Prereq: Permission of instructor. 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.

888M Administration of the Instructional Materials Center (3) A course designed for students involved in the design of an educational media program within a district and/or secondary school. (Same as LS 8886).
8000 Special Studies in Educational Administration and Supervision (3) A part of these courses especially designed for educational administration and supervision as approved by the Department of Educational Administration and Supervision: Prereq: Permission of graduate advisor.

8920-8930 Independent Study (Each 1-3) An independent research project written under the supervision of the instructor. Prereq: Graduate standing. (Each)
8990 Thesis (1-6) An independent research project written under the supervision of a graduate instructor. Prereq: Graduate standing. (Each)

8100 Independent Study in Educational Administration (1-3) Individual or group study and analysis of specific problems in educational administration and supervision. Prereq: Permission of the Department.

8230 Data Processing in Educational Administration (3) A study of systems as planning aids for administration, and the role of electronic computers in implementation. Prereq: Admission to the Department.

8250 Data Processing in Educational Administration (3) A study of systems as planning aids for administration, and the role of electronic computers in implementation. Prereq: Admission to the Department.

8300 Seminar in Educational Administration and Supervision (3) A study of problems in educational administration and supervision with an in-depth research analysis to show their relationship to and implications for educational administration. Prereq: Permission of the Department.

8350 Introduction to Educational Administration and Supervision (3) A study of the methods of effective school organization and administration, including the interpersonal relationships between the federal, state, and local responsibilities.

8400 Practicum in Educational Administration and Supervision (3) An internship leading to a Master's degree from an accredited institution. 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.

8410 Practicum in Educational Administration and Supervision (3) A continuation of the practicum course, intended to derive general principles from specific experiences and to give practice in the application of these principles. Prereq: Permission of the Department.

8420 Administration and Supervision in Elementary Schools (3) The nature, principles, and functions of modern administrative and supervisory practices as they relate to the elementary school.

8440 Administration and Supervision in Secondary Schools (3) The nature, principles, and functions of modern administrative and supervisory practices as they relate to the secondary school.

8450 Theory and Practice of Supervision (3) An in-depth inquiry into the nature and function of supervision in the school setting of the Principal. This course will integrate the salient psychological, sociological, business management and educational administration concepts into a comprehensive model of educational administration as they apply to educational systems. Prereq: EDAD 8300, 8460, or EDAG 8470.

8550 School Business Management (3) An analysis of the function of fiscal and administrative aspects of school business management: budgeting and financial operations; contract purchase and lease financing; insurance and bonding; personnel policies; contracts and collective bargaining; budgetary procedures; financial accounting, auditing, and reporting; recordkeeping, statement of funds, control over expenditures; purchasing procedures and inventory, administration and protection of property, and administration of transportation.

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.

8610 Educational Plans and Their Environment (3) Designed to give the school administration competency in planning the school building site, selection, building construction and design; school furniture and equipment; transport and storage of supplies; student discipline; operation; rehabilitation and remodeling; scheduling of work and custodial care. Prereq: Graduate standing.

8700 Administration and Staff Personnel (3) A study in the organization of the school staff and their effects on 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 education for youth in the field of vocational education, as related to the needs of the superintendent, principal and supervisor. (Same as EED 8800).

8810 Urban School Administration (3) This course is designed to equip students with the necessary background in urban administration with urban problems and issues which most significantly affect the administration of city schools.

8900 Seminar in Research Design (3) A seminar designed to acquaint students with the principles of research design and to provide experience in the application of these principles to specific areas in educational administration. Prereq: Permission of the Department of Educational Administration and Supervision.
ENGLISH

PROFESSORS: Baker, Lane, Newkirk, Slaau, Walsh
ASSISTANT PROFESSORS: Baker, L. Newkirk, Mcconnell, Mondell

Master of Arts

To be admitted to graduate study in English, a student should complete 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 either the Miller Analogies Test (MAT) with a score above 30 or the general aptitude section (but not the advanced area) of the Graduate Record Examinations (GRE) with a score above 350. All candidates for Master of Arts degrees with majors in English are required to take English 8101 (Introduction to Literary Research) within the first nine hours of graduate study and to complete one of the following papers of study:

Plan A: Successful completion of 24 credit hours in coursework, including at least 12 hours in English courses; plus a thesis (6 credit hours) on an approved topic, for the defense of which a faculty committee is responsible. 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 for Plan B (six hours) or Plan B (nine hours).

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

8856 Seventeenth Century Literature (3) A study of the methods of research and of English literature as a whole; covers the works of Spenser, Shakespeare, Marlowe, and the English prose writers from 1550 to 1600 with emphasis on selected English authors and on the impact of classical and Renaissance literature on contemporary English literature.

8857 Eighteenth Century Literature (3) A study of the methods of research and of English literature as a whole; covers the works of Defoe, Pope, Swift, Fielding, and the English prose writers from 1660 to 1780 with emphasis on selected English authors, and on the impact of classical and Renaissance literature on contemporary English literature.

8858 Nineteenth Century Literature (3) A study of the methods of research and of English literature as a whole; covers the works of Dickens, Thackeray, and the English prose writers from 1830 to 1900 with emphasis on selected English authors and on the impact of classical and Renaissance literature on contemporary English literature.

8859 Twentieth Century Literature (3) A study of the methods of research and of English literature as a whole; covers the works of Joyce, Pound, Eliot, and the English prose writers from 1900 to 1950 with emphasis on selected English authors and on the impact of classical and Renaissance literature on contemporary English literature.

8860 Modern American Literature (3) A study of the methods of research and of American literature as a whole; covers the works of Hemingway, Steinbeck, and the American prose writers from 1900 to 1950 with emphasis on selected American authors and on the impact of classical and Renaissance literature on contemporary American literature.

8861 Contemporary American Fiction (3) A study of the methods of research and of American literature as a whole; covers the works of John Updike, Flannery O'Connor, and the American prose writers from 1950 to the present with emphasis on selected American authors and on the impact of classical and Renaissance literature on contemporary American literature.

8862 Dramatic Literature of America (3) A study of the methods of research and of American literature as a whole; covers the works of Tennessee Williams, Arthur Miller, and the American prose writers from 1950 to the present with emphasis on selected American authors and on the impact of classical and Renaissance literature on contemporary American literature.

8863 The American Novel (3) A critical study of the works of Mark Twain, Henry James, William Faulkner, F. Scott Fitzgerald, and others. Prereq: English 8101 or permission of the instructor.

8864 The American Drama (3) A study of the American drama as it has been written in the United States from the beginning to the present day, with emphasis on the dramatists of the twentieth century. Prereq: English 8101 or permission of the instructor.

8865 Seminar: Introduction to Women's Studies in English Literature (3) A seminar in the major figures or major literary movements in American literature as they relate to the study of women.

8866 Seminar: American Poetry (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8867 Seminar: American Prose (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8868 Seminar: Modern French Women Authors (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8869 Seminar: Modern German Women Authors (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8870 Seminar: Modern Spanish Women Authors (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8871 Seminar: Modern Italian Women Authors (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8872 Seminar: Modern Russian Women Authors (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8873 Seminar: Modern French Women Writers (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8874 Seminar: Modern German Women Writers (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8875 Seminar: Modern Spanish Women Writers (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8876 Seminar: Modern Italian Women Writers (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8877 Seminar: Modern Russian Women Writers (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8878 Seminar: Modern French Women Poets (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8879 Seminar: Modern German Women Poets (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8880 Seminar: Modern Spanish Women Poets (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8881 Seminar: Modern Italian Women Poets (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8882 Seminar: Modern Russian Women Poets (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8883 Seminar: Modern French Women Novelists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8884 Seminar: Modern German Women Novelists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8885 Seminar: Modern Spanish Women Novelists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8886 Seminar: Modern Italian Women Novelists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8887 Seminar: Modern Russian Women Novelists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8888 Seminar: Modern French Women Essayists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8889 Seminar: Modern German Women Essayists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8890 Seminar: Modern Spanish Women Essayists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8891 Seminar: Modern Italian Women Essayists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8892 Seminar: Modern Russian Women Essayists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8893 Seminar: Modern French Women Dramatists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8894 Seminar: Modern German Women Dramatists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8895 Seminar: Modern Spanish Women Dramatists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8896 Seminar: Modern Italian Women Dramatists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8897 Seminar: Modern Russian Women Dramatists (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8898 Seminar: Modern French Women Poets and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8899 Seminar: Modern German Women Poets and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8900 Seminar: Modern Spanish Women Poets and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8901 Seminar: Modern Italian Women Poets and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8902 Seminar: Modern Russian Women Poets and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8903 Seminar: Modern French Women Novelists and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8904 Seminar: Modern German Women Novelists and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8905 Seminar: Modern Spanish Women Novelists and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8906 Seminar: Modern Italian Women Novelists and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.

8907 Seminar: Modern Russian Women Novelists and Major Movements (3) A seminar in the major literary figures or major literary movements in American literature as they relate to the study of women.
The Augusten Age (1660-1750). Preepy: Graduate standing.

8100 Seminar: Victorian Literature (3) An intensive study of selected Victorian authors and their works. Preepy: Graduate standing or permission of the chairman of the department of English.

8130 Topical Seminar in English (3) An intensive study of one or more authors, genres, literature, or literary movements. Preepy: Graduate standing or permission of the instructor.

8135 Topical Seminar in English (3) An intensive study of the major works of John Milton and in­

8250 Seminar in Chaucer (3) A study of selected works of Geoffrey Chaucer. Prereq: Graduate standing and one course in middle English language or writings.

8980 Independent Study (1, 2, or 3) Specially planned readings in a well-defined field of litera­

8990 Thesis (3-6) Independent research project written under the supervision of an advisor. Preepy: By permission of Graduate Graduate standing or permission of the Instructor.

8994 Project in Middle English Literature (3) A study of selected writings in middle English. Preepy: Graduate standing and one course in middle English language or writings.

GEOGRAPHY

PROFESSORS: Barts, Retallick, 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. All coursework is required. History and Philosophy (8000). In addition, all students are expected to attend General Seminar. The remainder of the program consists of courses scheduled by the student in consultation with the Graduate Program Committee. At least one of the courses in History and Philosophy or Literature in the field of urbanism and regional theory is required for the degree. A student must have a GPA of at least 3.0 on a 4.0 scale.

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 a prerequisite minimum of 15 undergraduate semester hours in geography and related fields. Three hours of spatial analysis, quantitative methods, or statistics. Applicants are furthermore advised to include computer science in their program of study. The applicant must have a GPA in geography and related fields.

4010/8016 Conservation of Natural Re­

4050/8056 Geographic Information Sys­

4060/8066 and an introduction to geographic information systems (GIS). Students will be expected to produce landforms. Preepy: Geog 1070 or 1170.

4250/8256 Landform Studies II (Geomor­

4300/8306 Computer Mapping and Data Analysis (3) Computer techniques in mapping and data analysis. Emphasis is placed upon address systems as inputs to various mapping and applications. Students may repeat GEO 8500 as often as they like as long as no specific subject is duplicated. Preepy: offered with GEO 8500.

4530/8536 Historical Geography of The United States (3) An analysis of historical geographic and cultural aspects of the United States and the role of agriculture on the regional economy. Preepy: Geog 3130 or permission.

4630/8626 Environmental Remote Sensing: Sensors and sensor systems ranging from conventional low-altitude aerial photography through imagery obtained from satellites and orbital platforms such as "Landsat" with emphasis on geographical and ecological regions. Provides basic tools for solving environmental problems.

8000 History and Philosophy of Geography (3) Introduction to the history of geography. Emphasis is placed on the role of the philosopher in geography and the influence of philosophy on geography from classical to modern times. Preepy: 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 as well as in higher education. Preepy: Permission.

8210 Seminar in Cultural Geography (3) The planning and analysis of cultural landscapes, with emphasis on describing and interpreting the cultural landscape. Preepy: Permission.

8360 Seminar in Geography of Agriculture (3) A systematic study of the characteristics and patterns of world agriculture. Preepy: Permission.

8500 Special Topics in Geography (1-3) This course will provide for an in-depth study of a geographical or related subject (as specified in the course title), subjects will be offered at the discretion of the supervising faculty. Prereq: Geog 1070 or 1170. Preepy: Permission.

8580 Soils (3) An examination of the older geog­

8610 Environmental Remote Sensing (3) A study of the various sensor systems ranging from conventional low-altitude aerial photography through imagery obtained from satellites and orbital platforms such as "Landsat" with emphasis on geographical and ecological regions. Provides basic tools for solving environmental problems.
8650 Land Use (3) A field course designed to understand, by actual field investigation, land use patterns in urban areas through the comprehen­ sion 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: Permission.

8670 Cartographic Methods (3) Teaches effective map layout and the latest cartographic tech­ niques, and develops the student's level of competence in the design and interpretation of maps.

8800 Internship in Environmental/Regional Planning (3) Internship is available up to 6 hours. In­ terns will work with local planning agencies, or involved stu­ dents to gain knowledge and experience in comprehensive regional or environmental planning. Prereq: Permission and 12 hours graduate courses.

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 Geography 8810.)

8830/8840 Interdisciplinary Seminar On The Urban Community (2-6) An interdisci­ plinary approach to investigations on the metropolitan community in which various departments and college offerings concerned with urban problems are put on broad based interdisciplinary basis. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the departments above. (Also listed under economics, political science, and sociology)

8990 Thesis (1-6) Independent research project on a topic selected by the student and supervised by an advisor. Prereq: Permission.

9500 Topics in Regional Geomorphology of North America (3) A seminar on the landforms and geomorphic processes from the perspective of a par­ ticular geographic view point on a regional basis. Prereq: Permission.

9980 Certificate in Gerontology While UNO does not offer a graduate degree in Gerontology, a Specialization in Gerontology is available. The University of Nebraska Board of Regents has established a Certificate in Gerontology that will be awarded upon completion of requirements for the Specialisation. The Specialization may serve as an academic minor for students majoring in many of the social and behavioral sciences at the graduate level.

Requirements
1. Students wishing to work toward the Certificate in Gerontology must make application and be accepted into the Gerontology Program; application must also be made for admission to graduate studies. Those wishing to work toward a graduate degree must also be accepted into the degree program of their major department.

2. Coursework requirements consist of a minimum of 15 semester hours in Gerontology. The only course in which more than 6 semester hours are counted is the 3 hour course in the Academic Coordinator of Gerontology. Additional, dual-degree programs of study are developed for each student to best meet his or her career goals and interests.

A. A course must be taken full-time in gerontology or its equivalent is also required. The goal of this is to give each student practical one-on-one experience with the aged in a service program or agency delivering services to the elderly. Practicum students must register for GER 8845 Practical and participate in periodic seminars with the Practicum Supervisor of the Gerontology Program.

Example of a program of study
Each individual program of study will be tailored to the needs and interests of each student. The following is an example of what one program of study might look like:

GERO 9110 - Applied Social Gerontology (3 semester hours) Required of all students at the graduate level.

GERO 8106 - Educational Gerontology (3 semester hours) This course is designed to increase students' self-awareness of personal values and feelings related to aging and the aged.

GERO 8986 - Counseling Skills in Gerontology (3 semester hours) Designed to increase students' self-awareness of personal values and feelings related to aging and the aged.
HEALTH, PHYSICAL EDUCATION, AND RECREATION

PROFESSORS: K. Berg, Flynn, Kidd
ASSOCIATE PROFESSORS: Blanche, H. E. Behan, Conn, Lundahl, Metal-Corbin, Stewart
ASSISTANT PROFESSORS: Burnes

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 attain either a Master of Science in any of these fields, depending upon the Master of Science degree, which requires graduation with a minimum of 36 semester hours. Only the Master of Science degree will complete a program of at least 36 semester hours, six hours of which will be devoted to a thesis.

Master of Arts

Required Core Courses

- HPER 8030 Research in HPER (6 hours)
- HED 8220 Problems and Issues in HPER

Specialization Courses

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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HPER 8000</td>
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<tr>
<td>HPER 8100</td>
<td>Research Project</td>
</tr>
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<td>HPER 8200</td>
<td>Analysis of Research and Literature in HPER</td>
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<tr>
<td>HED 8200</td>
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<tr>
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<tr>
<td>HED 8300</td>
<td>Alcohol Education</td>
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<tr>
<td>HED 8500</td>
<td>Health Aspects of Aging</td>
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<tr>
<td>HED 8550</td>
<td>Health Aspects of Stress Management</td>
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<tr>
<td>PE 8016</td>
<td>Laboratory Practicum in Exercise Science</td>
</tr>
<tr>
<td>PE 8036</td>
<td>Measurement and Evaluation in Physical Education</td>
</tr>
<tr>
<td>PE 8066</td>
<td>Topics of Sports Medicine</td>
</tr>
<tr>
<td>PE 8240</td>
<td>Sport in American Culture</td>
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<tr>
<td>PE 8250</td>
<td>Curriculum in Physical Education</td>
</tr>
<tr>
<td>PE 8400</td>
<td>Motor Learning and Performance</td>
</tr>
<tr>
<td>PE 8450</td>
<td>Kinesiological Analysis of Motor Skills</td>
</tr>
<tr>
<td>PE 8500</td>
<td>Advanced Exercise Physiology</td>
</tr>
<tr>
<td>RED 8466</td>
<td>Outdoor Recreation Resource Planning</td>
</tr>
</tbody>
</table>

Elective Courses

Related courses from 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-six semester hours.

Master of Science

Required Core Courses

- HPER 8030 Research in HPER (6 hours)
- HED 8220 Problems and Issues in HPER

Specialization Courses

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

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Elective Courses

Required courses from 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-six semester hours.

General HPER

**Special Courses**

- **8000 Special Studies**
  - 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, statistical analysis, critical analysis of research and development of skill in writing research reports. Prereq: Graduate student in HPER.

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

- **8250 Human Sexuality**
  - A concentrated look at problems which arise from teenage 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.

- **8250 Alcohol Dependency Workshop for Educators (1)**
  - A concentrated look at problems which arise from teenage 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.

- **8500 Alcohol Dependency Workshop for Educators (1)**
  - A concentrated look at problems which arise from teenage 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.

- **8850 Health Aspects of Aging (3)**
  - The study of psychological, sociological and physiological factors that influence the health of the aging individual, with particular emphasis given to biological changes that have implications for disease and health disorders. Prereq: Graduate standing.

- **8856 Human Sexuality (3)**
  - An introduction to the biological, behavioral and cultural aspects of 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.

- **8930 Alcohol Education for School Personnel (3)**
  - A study of the problems associated with alcohol use and misuse. The course is designed to be interdisciplinary in nature, 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.

- **8950 Health Aspects of Stress Management (3)**
  - The health-related aspects of stress manage-
Physical Education

8240 Sport in American Culture
The course is a study of sport and the ways in which it influences society. Prereq: Graduate status.

8260 Supervision of Physical Education
This course provides an overview of the behavioral aspects of coaching and control will be the focus of this course. Special consideration is given to current scientific research in human stress. Prereq: Graduate status.

8280 Curriculum in Physical Education
A study of the foundations for curriculum development and related educational problems. Prereq: Basic course in human anatomy, physiology, kinesiology, exercise physiology, psychology and growth and development or special permission of the instructor.

Recreation/Leisure Studies

4240/8240 Organization and Administration of Recreation
(3) This course is designed for students with an interest in outdoor recreation. Major topics to be emphasized include: graded exercise testing and electrocardiography, oxygen uptake, body composition, neuromuscular function, and thermoregulation. Prereq: PE 4940 or equivalent.

4260 Laboratory Practicum in Exercise Science
(3) This practicum will provide students an opportunity to achieve competency in CPR Certification or equivalent, and permission of the instructor.

4510/8515 Recreation Programs for the Mentally I11 and the Mentally Retarded
(3) This course investigates therapeutic recreation services for special populations such as the mentally ill and the mentally retarded. Students will be introduced to current research in this area and will learn strategies for working with these populations.

4530/8536 Therapeutic Recreation: Activity Analysis
(3) This course will emphasize activity therapy programs and explore basic areas of activity therapy, describing their values and methods of selection and presentation and giving useful techniques for their modification. Prereq: RED 3500 or permission of the instructor.

5454 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 Instructor.

8410 Outdoor Recreation Resource Planning
(3) An in-depth view of outdoor recreation planning, policy formulation, and management with emphasis on significant current problems. Special attention will be focused on statewide planning, recreational values, cultural preferences, demand, financing, decision-making, and policy. Prereq: RED 3500 or permission of the instructor. (3) This course is designed to provide students an opportunity to achieve competency in CPR Certification or equivalent, and permission of the instructor.

HISTORY

PROFESSORS: Carrigan, Dalstrom, Garner, Overfield, Petrowski, Pollak, Pratt, St. John, Tate, Thomas

ASSOCIATE PROFESSORS: Geedert, 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 2.70 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 in their undergraduate courses.

3. An incoming student, not having Historical Research (Hist 3030) or its equivalent, must take Hist 3030 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)
(3) The program for the Master of Arts degree (Option I) will usually be arranged to conform to one of the following general patterns:

1. 24 semester hours of approved graduate courses in History, of which at least 18 hours must be in courses open only to graduate students, and no more than 3 hours of credit may be taken by a student under a pass/fail option. A minimum of 15 hours must be in courses numbered 8010.

2. 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) semester hours of coursework, at least half of which must be earned in courses open only to graduate students.

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.
DEGREE REQUIREMENTS

and no more than nine graduate hours. Permission to take a six hour minor may be gained by the advisor's permission, and the approval of the Graduate Program Committee.

4. 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.

5. In no event shall the advisor serve as a reader for either examination. In such cases, the chairperson of the Graduate Program Committee of the Department of History, chooses his/her advisor. The chairperson of the Graduate Program Committee shall, after consultation with the candidates and all readers of the respective examinations, request an advisory committee to develop a dependent curriculum and into independent study and academic interests. This committee shall consist of the advisor of the major field, the advisor of the minor field, if any, and the representative of the minor field, unless all fields are selected.

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 advisor to take the comprehensive written examination. The advisor will determine whether the examination will be given three times during the year: during the eleventh week of the fall semester, during 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 in English and the major area of study will be over the specific courses taken for the major. 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, with the American portion of the examination normally following the breaking point of the American history survey (History 1110-1120) course. The minor 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 responsible for the minor examination.

3. The reading committee will consist of the advisor 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 by the minor department, the advisor, and a third reader if necessary. Both readers of the major and all readers of the minor area must agree that the candidate has passed the examinations for which they are responsible. In the event of disagreement, a third reader may be consulted as a mediator, and the result he/she supports will be the result of the examination.

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

5. Once the examination has been administered and graded, the secretary has forms to be filled out by the sponsor, signed by the Graduate Program Committee chairperson, and sent to the Dean for Graduate Studies and Research, certifying the candidate for completion of the degree.

6. 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.

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

8. Prior to the 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.

8530 Medieval Europe (3) An examination of medieval European history with emphasis upon social, political, and cultural developments. Prereq: For 3140, junior standing or permission of the instructor.

8645 History of The British Empire and Commonwealth (3) Britain in America, Africa, India and the development of a dependent empire and transformation into independent nations. Prereq: For 3100, junior standing or permission of the instructor.

8310 Explorers and the New World (3) A study of the history of the United States since the election of Franklin D. Roosevelt to the presidency in 1932. Prereq: For 4300, junior standing or permission of the instructor.

4330/8336 Constitutional History of The United States to 1860 (3) A history of constitutional theory and practice, the constitutional crisis of the nineteenth century and the development of the Constitution from 1788 to 1860. Prereq: For 3130, junior standing or permission of the instructor.

4340/8346 Constitutional History of The United States Since 1860 (3) A history of constitutional development and the constitutional crises of the twentieth century. Prereq: For 4340, junior standing or permission of the instructor.

4400/8406 History of North American Indians (3) A study of local Native American cultures, their contact with Europeans and other non-European peoples, and the continuing problems faced today. Prereq: For 4400, junior standing or permission of the instructor.

4350/8356 American Urban History (3) Historical survey of urban development in the United States from the colonial period to the present, with attention to urbanization as a social process and the growth of the nation at large as well as the city. Prereq: For 4350, junior standing or permission of the instructor.

4470/8476 History of American Medicine and Public Health (3) Analysis of the relationships and interaction of medical science, health, public health problems and institutional development, and the changes in American society and culture from the 17th to the 20th century. Prereq: For 4470, junior standing or permission of the instructor.

8516 Intellectual History of Modern Europe From The Renaissance to The French Revolution (3) A study of the politics of the late seventeenth century and of the eighteenth century as reflected in the intellectual life of the eighteenth and nineteenth centuries. Prereq: For 4530, junior standing or permission of the instructor.

8526 Intellectual History of Modern Europe From the French Revolution to The Present (3) A study of the politics of the late eighteenth and nineteenth centuries as well as the achievement of modern secular societies and the development of the Enlightenment and the modern world. Prereq: For 4540, junior standing or permission of the instructor.

4550/8556 The Age of the Renaissance-Reformation (3) Study of the political, economic, social, political, and intellectual development of the fifteenth and sixteenth centuries as well as the achievement of Renaissance culture and the emergence of the Protestant Reformation. Prereq: For 4550, junior standing or permission of the instructor.

4550/8556 The French Revolution and Neo-Politicism, 1795-1845 (3) A study of the French revolution and the development of modern political thought and its impact upon industrialism, urbanization, immigration, and the emergence of the United States as a significant world power. Prereq: For 4420, junior standing or permission of the instructor.

4570/8576 European History Since 1815 (3) A study of reform and revolution which resulted in the Balkanization of Europe.
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. Emphasis on the arts continuing modernization and formulated new institutions. Shadowing those of our world today. Prereq: None.

4620/8626 English History: From Empire to Welfare State (3) A study of the change and development in Great Britain from the late 18th century to 1918.

4770/8776 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.

4780/8786 Europe in The Global Age: 1923 to The Present (3) A study of the ever increasing interrelations between the Fascist and Communist dictators and the western democracies. World War II, the resultant dislocation of power and the strangulation of the balance of terror. Prereq: For 4780, junior standing or permission of the instructor.

8910 Advanced Research Project in History (1.11.15) 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 hours (including 2 seminars). Permission of the instructor.

9100 Seminar in History Readings and research in selected topics of history.

8970 Thesis (1.11.S) (1) Thesis research project written under supervision of an advisor.

MATHEMATICS

PROFESSORS: Buchalter, Downey, Downing, Gesseman, Komalina, Maloney, Stephens

ASSOCIATE PROFESSORS: Heidel, 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 36 acceptable credits, at least 24 of which must be in Mathematics.

b. Choose Mathematics courses which carry a number of 8006 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 non-Mathematics courses that are 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 requirement.

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 a basis for 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:

1. A student meeting the following conditions will be admitted to the M.A.T. program:
   a. Has state certification for teaching secondary school mathematics.
   b. Has maintained at least a B average in previous mathematics courses including two courses beyond elementary calculus.

2. The above conditions are considered normative and a student not meeting them may be admitted to the program only as a result of special action by the M.A.T. Program Committee. Students whose grades are below the normative requirements in mathematics to their credentials will be admitted provisionally to the M.A.T. Program upon completion of Math 150H, Math 170H, and Math 310H, with GPA of 3.0 or better.

Programs 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 the Department of Post-Secondary Teacher Education. The three plans are: Statistics, Computer Science and Mathematics. The following are basic requirements for each plan:

1. Required Mathematics courses for all plans: CTS 1610 or equivalent (no graduate credit), M8105, M8255, M8030, M8020, M8905.

2. Required Education courses for all plans: Three courses for graduate students only, 9 semester hours credit, in Secondary Post-Secondary Teacher Education. One course must be included on the use of microcomputers in the classroom, with the remaining two courses to be chosen with written approval of the advisor.

3. Elective or all plans: One course for graduate students only in Mathematics or Education to be chosen with written approval of advisor.

4. Remaining 9 semester hours to be chosen according to one of the following:
   b. Mathematics Option: Student selects 3 courses in Mathematics 8000 level or above.
   c. 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

3110/8115 Information Systems Analysis (3) Decision-making processes, system life cycle, logical and physical information systems. Prereq CS 1510 or 1520.

3120/8125 System Design and Implementation (3) Principles and techniques of the design and implementation of information systems. Hardware and software selection and evaluation. Prereq: Math 3115.

3220/8225 Programming Methodology (3) The study of software production and quality including correctness, efficiency, and psychological factors of programs and programming. Prereq: Math 8305.

3300/8305 Numerical Methods (3) Solving equations and systems of equations, interpolation, numerical differentiation and integration, numerical solutions to ordinary differential equations, numerical matrix calculations, eigenvalues and eigenvectors, analysis of algorithms and errors, computational efficiency. Same as Math 3305.

3450/8450 Data Base Management Systems (3) Basic concept of generalized database management systems (DBMS); the relational, hierarchical and network models and DBMS systems which use them; introduction to database design. Prereq: Math 3320.

4220/8226 Programming Languages (3) Definition of programming languages, properties of algorithmic languages including scope of declaration, storage allocation, and computational efficiency. Same as Math 4220.

4300/8306 Linear Programming (3) Theory of the simplex method, duality, and obtaining an initial basic feasible solution. The dual and revised simplex methods. Parametric Linear Problems, sensitivity analysis, modeling and implementing LP packages. Same as Math 4300. Prereq: Math/CS 2050 and one of CS 1610, 1800, 1820 or Math 4300.

4310/8316 Discrete Optimization (3) The mathematical foundations and solution algorithms of discrete optimization problems, including linear programming, network problems and integer programming. Same as Math/CS 4310/8316.


4500/8506 Operating Systems (3) Operating System principles. The operating system as a re-
source manager; I/O programming, interrupt pro-
mgramming; and machine architecture as it relates to
resource management; Memory management tech-
niques for four multi-programmed systems; Process
description and implementation details; Load-
server management (Scheduling; I/O device, con-
trol, and program management; File systems; Operating
system implementation for large and
multi-user environment; Math 3210 and 3320. Math
3340 is recommended.

4510/8516 Advanced Topics in Operating Systems
(3) Advanced topics in operating systems.
This course covers various aspects of operating
systems: implementation, implementation, and
operating systems. Topics may include: operating
systems, programming, and computer systems.

8510 Operating Systems Design (3) Advanced
concepts of computer systems, including the
operating systems design. Math 2310 and 3320.
Math 2340 is recommended.

DEGREE REQUIREMENTS

(3) Examination

8530 Topics in Geometry and Topology
(1-3) This is a variable content course with
selected topics. Prereq: Math 3110 or Math 3115.

8550 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8560 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8570 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8580 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8590 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8600 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8610 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8620 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8630 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8640 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8650 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.

8660 Topics in Advanced Mathematics
(1-3) A variable content course with selected
topics. Prereq: Math 3110 or Math 3115.


8880 Independent Study (1-3) A graduate student may pursue advanced topics in an area that is not normally available to him in a formal course. The topic studies a graduate area in mathematics to be determined by the instructor. Prereq: Permission of Instructor and graduate classification.

9110 Advanced Topics in Algebra (3) Vector spaces, linear transformations, theory of a single linear transformation, sets of linear transformations, bilinear forms, Euclidean space, unitary products of vector spaces, and norms and projections. Same as CS 8970. Prereq: Math/CS 4110 and permission of instructor.

Statistics

8605 Statistical Methods I (3) Distributions, introduction to measures of central value and dispersion. Prereq: Math/CS 3300.

9010 Statistical Methods II (3) Regression and correlation, analysis of covariance, chi-square distribution. Prereq: Math/CS 3300.

9870 Graduate Seminar (1-3) A graduate seminar in mathematics.

9890 Independent Study (1-3) A graduate study in mathematics.

999V Independent Graduate Studies (3) Under this number a graduate student may pursue additional studies in an area that is not normally available to him in a formal course. The topic studies a graduate area in mathematics to be determined by the instructor. Prereq: Permission of Instructor and graduate classification.

MUSIC

PROFESSORS: Low, Peters, Prince, Ruetz, Shneider
ASSOCIATE PROFESSORS: Folta, Mullin, Salter, Shearer, P. Todd
ASSISTANT PROFESSORS: Clay

Master of Music

The Department of Music offers graduate courses in the areas of music education, performance, literature, and study of major piano repertoire from the Baroque to the present. Prereq: Music 2570, 2560, 2570, and graduate standing.

4550/8556 History of the Lyric Theater (3) This course will consist of significant music theater works from the earliest period from 1600 to the present. Prereq: Music 2570, 2420, 2460, junior standing in applied voice, or permission of the instructor.

4580/8586 Music in the Twentieth Century (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from c. 1915-1925, Prereq: Music History 2550, 2560, and graduate standing.

DEGREE REQUIREMENTS

1. 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 in the performance track for one credit hour. To be repeated one time. Prereq: Admission and permission.

2800 Guitar (1-3)
2810 Piano (1-3)
2820 Voice (1-3)
2830 Violin (1-3)
2840 Viola (1-3)
2850 Violoncello (1-3)
2860 Bass Viol (1-3)
2870 Flute (1-3)
2880 Oboe (1-3)
2890 Clarinet (1-3)
2900 Bassoon (1-3)
310 Saxophone (1-3)
3200 Trumpet (1-3)
3350 French Horn (1-3)
3360 Baritone Horn (1-3)
3390 Trombone (1-3)
3660 Tuba (1-3)
3670 Pipe Organ (1-3)
3860 Percussion (1-3)
3990 Harp (1-3)

4860 Analytical Techniques (3) This course will study the major theoretical techniques developed by such important figures as Schoenberg, Hindemith, Rieti and Forti. Music of all styles will be studied, but emphasis will be on tonal and early twentieth-century music. Prereq: instructor permission. Students must be admitted for graduate study and have passed the appropriate Music 4440 or their respective equivalents.

4870 Advanced Counterpoint (3) Advanced counterpoint will deal with topics that are frequently neglected in undergraduate counterpoint classes because of lack of time or student background. Emphasis on masterpieces of the art of counterpoint and polyphony will be made through study and analysis. Music of a wide variety of media will be presented and students will become familiar with music in all style periods. Prereq: Permission. Students will have graduate standing and should have passed the appropriate Music 4440 or its equivalent before enrolling in the course.

5810 Performance Practice (3) This course includes a study of published materials, ensembles and workshops with visiting artists and institutions, and performance by the students themselves. Graduate students will not only be expected to join in an intensive study of a particular genre and period, but also to complete a lecture-recital on a specific approved topic. Prereq: Admission to the Graduate College and permission.

5820 Music Bibliography (3) This course includes a study of music reference and research materials. Basic procedures and tools of investigative studies are treated, culminating in a research project. Prereq: Graduate level standing and permission.

6830 Workshops in Music Education (1-3) Seminar and workshops in music and music education for the graduate student and in-service and preservice teacher. Prereq: Permission of Graduate College and permission. Prereq: Graduate standing.

6840 Foundations of Music Education I (3) A study of philosophy and research methods of music education through attention to current sociological trends and philosophies of art. Prereq: Graduate standing.

6850 Foundations of Music Education II (3) A study of research methods of all fields of music education through attention to relevant topic in the psychology of music and learning theory and through relevant readings in the history of music education. Prereq: Graduate standing.

6860 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 will be accomplished through a variety of methods to include a review of texts, teaching, and research. Prereq. It is expected that students will have completed a bachelor's degree in music, music education or graduate study and have permission of the instructor.

7800 Conducting Practice (3) Private instruction in conducting the student's repertoire will be selected from major repertoire for performance choirs and instrumental ensembles. Prereq: With a choral emphasis: Music 5640 and 5660; With an instrumental emphasis: Music 5630 and 5630.

7850 Advanced Instrumental Conducting (3) Study of advanced conducting problems and orchestral literature and techniques for their solutions. Prereq: Music 5640 and 5630 or equivalent.

7860 Advanced Choral Conducting (3) Advanced study of conducting problems and solutions for both unit and orchestral conductors. Prereq: For the conducting of choirs, permission of the instructor and appropriate Music 4440 (Research Methods). The student must pass a written comprehensive examination covering the two emphasized fields and an oral defense of the thesis.

7870 Methods of Research (3) Designed to introduce students to the methods and techniques required for conducting research in music. Prereq: Graduate standing.

8030 Advanced Conducting I (3) Designed to prepare the candidate for advanced choral conducting. Prereq: Successful completion of Fundamentals of Conducting (Music 3640), and Choral Conducting and Literature (Music 3640) or equivalent.

8050 Advanced Conducting II (3) Designed to prepare the candidate for advanced instrumental conducting. Prereq: Successful completion of Fundamentals of Conducting (Music 3640), and Choral Conducting and Literature (Music 3640) or equivalent.

8060 Analysis of Choral Conducting (3) Designed to prepare the candidate for advanced choral conducting. Prereq: Successful completion of Fundamentals of Conducting (Music 3640), and Choral Conducting and Literature (Music 3640) or equivalent.

8070 Advanced Conducting III (3) Designed to prepare the candidate for advanced instrumental conducting. Prereq: Successful completion of Fundamentals of Conducting (Music 3640), and Choral Conducting and Literature (Music 3640) or equivalent.

8080 Advanced Conducting IV (3) Designed to prepare the candidate for advanced choral conducting. Prereq: Successful completion of Fundamentals of Conducting (Music 3640), and Choral Conducting and Literature (Music 3640) or equivalent.

8980 Recital (3) This course involves the selection, preparation and public performance of a full recital in the student's major applied area. The recital should demonstrate the student's competence in a variety of styles and make advanced technical and interpretative demands. The course is designed to enable the student to perform at the recital. A full public recital and related written project must be approved by the appropriate departmental committee is a graduation requirement for masters level students in the performance track. Method of grading will be a designation of satisfactory or unsatisfactory. Prereq: 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 student to complete a Master of Music Education (Op­ tion I) to develop a substantive thesis which em­ ploys and mirrors research or original thought of a quality and quantity appropriate to advanced work in music education. The course will be han­ dled on an individual study basis with aid and consultation from a faculty thesis advisor and the­ sis committee. Method of grading will be a des­ ignation of satisfactory or unsatisfactory. Prereq: Permission of Graduate Committee and twenty­ four (24) hours of graduate course work com­ pleted.

POLITICAL SCIENCE

PROFESSORS: Camp, Rowan, Mened
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 fulfill certain prerequisite, a minimum of fifteen semester hours of undergraduate coursework in Political Science or their equivalent as determined by the departmental Graduate Admissions Committee. In addition to the above, the applicant must have at least a B 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, receiving no more than one C. The thesis is expected to be a major piece of scholarship. From the list of courses in Political Theory, American Politics, Comparative Politics and International Politics, the student will select an emphasis in two of these fields. Twelve hours of coursework will be in one area of emphasis and six hours in the other. The remaining coursework is elective and may include cognate courses or interdisciplinary offerings. Of the twenty-four hours of coursework twelve hours must be at the "O" level, including 8126 (Research Methods). The student will take written comprehensive examinations in the two emphasized fields and an 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 a minimum grade point average of 3.0 (B average) at the twenty-four hours of coursework twelve hours must be at the "O" level, including 8126 (Research Methods). The student will select courses from the Political Science curriculum but may include up to nine hours of cognate courses in related disciplines. Students must maintain a B (3.0) average in their coursework, receiving no more than one C. Degree candidates must pass written comprehensive examinations covering their area of study. The aim is to tailor each student's program to fit his or her personal or career interests.

Admission Requirements: An applicant for admission to the Master of Arts or Master of Science program in Political Science must fulfill certain prerequisite, a minimum of fifteen semester hours of undergraduate coursework in Political Science or their equivalent as determined by the departmental Graduate Admissions Committee. In addition to the above, the applicant must have at least a B 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.
institutional law as it pertains to civil liberties. Emphasis on 1st, 4th, 5th, 6th, 8th, 13th, 14th, and 16th amendments.

4200/5200 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 4200, junior standing.

4210/5210 Foreign Policy of The U.S. R. (3) A study of the foreign policy of the U.S.R., with emphasis on developments since 1945. Internal and external influences on Soviet foreign policies, the processes of foreign policy making, and the relations among members of the communist camp will also be considered. Prereq: For 4210, junior standing.

4250/5256 Inter-American Politics (3) Analysis of relations of Latin American states in the international political arena. Emphasis upon developments affecting the process of international relations through an exploration of the role of international politics by the study of the inter-American system. The regional institutional infrastructure, its influence on foreign policy, power relations, and contemporary problems. Prereq: For 4250, junior standing.

4310/5316 Political Philosophy (3) Textual analysis of leading works of classical political philosophy. Plato and Aristotle. Prereq: For 4310, junior standing.


4330/5336 Political Philosophy III (3) Textual analysis of leading works of later modern political philosophy. Burke, Mill, Marx. Prereq: For 4330, junior standing.

4350/5356 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.

4360/5366 Dictatorship (3) A study of theory, practice, and practitioners of political dictatorship. Its roots, development, and the threat it poses for the world in the hands of the Soviet Union and others. Prereq: For 4360, junior standing.

4370/5376 Communism (3) The Marxist message, its use as an impetus to political power, its worldwide expansion, and the threat it poses for the world in the hands of the Soviet Union and others. Prereq: For 4370, junior standing.

4390/5396 Government and Politics of Great Britain (3) A comprehensive study of British political system and government. Emphasis will be focused on the formal and informal institutions and customs and practices of the British political system. Prereq: For 4390, junior standing.

5256 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 pre-seminar on selected topics based upon analysis of the literature of political science and/or primary source materials. Prereq: For 4920, junior standing or permission of the instructor.

8000 Seminar in The Research Methods of Political Science and Public Administration (3) A critical investigation of the principles 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 individual and problem analysis. Prereq: Permission of graduate advisor.

8150 Seminar in Public Law (3) Practical methods of research as applied to specifically selected problems in the area of public law. Emphasis will be on the study of the inter-American system. The regional institutional infrastructure, its influence on foreign policy, power relations, and contemporary problems. 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 Political Theory (3) Analysis of selected topics in normative, empirical, and ideal-legal political theory and their impact upon practitioners of politics. Prereq: Six hours of political science or 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 (1-3) Graduate student research on an individual basis under faculty supervision in topics pertaining to urbanization, urban planning, or urban studies. Prereq: Senior standing or permission of the instructor.

8810 Independent Study in Problems of the Graduate Level (1-3) An individually planned reading in political science for the graduate student whose needs and who has special presentation, policy, or political science is needed for the student's professional career. Prereq: Graduate student.

8990 Thesis (3-6) A research project, written 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

PROFESSORS: Bror, Backman, Truex
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 or public accounting practice. 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 knowledge, skills, experience, and professional ethics. 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 be received from an institution accredited by the proper accrediting agencies.

Program of Study

The first year of the MPA program is offered on the Common Body of Knowledge as defined by the AACSB 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 will choose a core of required courses in accounting and the supporting coursework. 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.

Foundation Courses* (30 total semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acc 8110</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>Acc 8130</td>
<td>Survey of Law</td>
</tr>
<tr>
<td>Acc 8230</td>
<td>Intermediate I</td>
</tr>
<tr>
<td>Acc 8330</td>
<td>Intermediate II</td>
</tr>
<tr>
<td>Acc 8350</td>
<td>Cost Accounting</td>
</tr>
<tr>
<td>Acc 8400</td>
<td>Principles of Auditing</td>
</tr>
</tbody>
</table>

Note: Some or all of these courses may be waived based upon evidence of satisfactory undergraduate preparation or equivalent experience.
M ister of Professional Accounting* (36 total semester hours)

Required Accounting Courses (9 hrs.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>8210</td>
<td>Accounting Theory</td>
<td>3</td>
</tr>
<tr>
<td>8230</td>
<td>Corporate Taxation</td>
<td>3</td>
</tr>
<tr>
<td><strong>8250</strong></td>
<td>Seminar in Accounting</td>
<td>1</td>
</tr>
</tbody>
</table>

Accounting Electives (9 hrs.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>8146</td>
<td>Federal Taxation of Corporations &amp; Partnerships</td>
<td>3</td>
</tr>
<tr>
<td>8076</td>
<td>Accounting for Not-For-Profit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>8096</td>
<td>Financial Auditing</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Tool Courses (12 hrs.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 8200</td>
<td>Quantitative Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 8100</td>
<td>Managerial Economics</td>
<td>3</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 "I" 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 8900 to successfully complete the course as a graduation requirement.

*All coursework must be completed within 6 years of admission to the Master of Professional Accounting Program.
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 requirements as the M.A., and all courses are the same in both degree programs, as well as the requirement of Psychology 8000. Research or supervised experience in the area of school psychology, may be considered for admission to a doctoral program if they have completed or are doing excellent work toward their Master's degree which includes a dissertation 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.

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 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 degrees may be considered for admission to a doctoral program if they have completed or are doing excellent work toward their Master's degree which includes a dissertation 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 proseminal series of eight courses as outlined below or their equivalent if the student has completed graduate coursework in psychology at another school. In addition, the following courses are required: Theory of Measurement and Design, Multivariate Statistical Analysis, Industrial Motivation, Quantitative Methods, Industrial Training and Development, Criteria Development and Performance Appraisal, Personnel Selection, Practicum in Organizational Behavior, 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 proseminal series of eight courses as outlined below or their equivalent if the student has completed graduate coursework in psychology 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.
98 DEGREE REQUIREMENTS

Psychology 8510 Advanced Educational Psychology
Psychology 9580 Personality Assessment

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:
EDAD 8350 Introduction to Educational Administration and Supervision
One of the following two courses:
Eled 8430 Introduction to Curriculum Planning-Junior 8300 Emerging Student Curriculum

3. Required Supporting Work
One or two courses in basic psychology (outside the student's area of specialization) and/or one course in another field of study. These courses may be offered in special education, counseling, or other professional education fields other than those specified as requirements. The student must also have had 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 at least 50 clock hours are required for each course hour, but the 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 considered for certification. This will normally be taken after the student has completed all other requirements, including both practicum experiences. The internship must have an educational psychologist as the advisor. If the internship is completed in one of the Omaha-area schools, the site must be selected by the student and must be approved by the School Psychology Committee. Details of the internship are worked out by negotiation Involving the student, the advisor, and school system Involved. Results of these negotiations must be approved by the School Psychology Committee.

Students who are pursuing work toward certification in Nebraska as Psychological Assistants must take two courses in Special Education, Counseling and Guidance, or other professional education courses in the fields of educational psychology, educational psychology, and special education.

An internship totaling at least 1000 clock hours must be completed before the student will be considered for certification. This will normally be taken after the student has completed all other requirements, including both practicum experiences. The general rule is that at least 50 clock hours are required for each course hour, but the 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.

6. Internship in School Psychology (Psychology 9980)
An internship totaling at least 1000 clock hours must be completed before the student will be considered for certification. This will normally be taken after the student has completed all other requirements, including both practicum experiences. The general rule is that at least 50 clock hours are required for each course hour, but the 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.

7. Psychological Assistant
Students who are pursuing work toward certification in Nebraska as Psychological Assistants must take two courses in Special Education, Counseling and Guidance, or other professional education courses in the fields of educational psychology, educational psychology, and special education.

An internship totaling at least 1000 clock hours must be completed before the student will be considered for certification. This will normally be taken after the student has completed all other requirements, including both practicum experiences. The general rule is that at least 50 clock hours are required for each course hour, but the 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.

8. 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 at least 50 clock hours are required for each course hour, but the 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.

9. Internship in School Psychology (Psychology 9980)
An internship totaling at least 1000 clock hours must be completed before the student will be considered for certification. This will normally be taken after the student has completed all other requirements, including both practicum experiences. The general rule is that at least 50 clock hours are required for each course hour, but the 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.

10. Psychological Assistant
Students who are pursuing work toward certification in Nebraska as Psychological Assistants must take two courses in Special Education, Counseling and Guidance, or other professional education courses in the fields of educational psychology, educational psychology, and special education.

An internship totaling at least 1000 clock hours must be completed before the student will be considered for certification. This will normally be taken after the student has completed all other requirements, including both practicum experiences. The general rule is that at least 50 clock hours are required for each course hour, but the 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.

11. Psychological Assistant
Students who are pursuing work toward certification in Nebraska as Psychological Assistants must take two courses in Special Education, Counseling and Guidance, or other professional education courses in the fields of educational psychology, educational psychology, and special education.

An internship totaling at least 1000 clock hours must be completed before the student will be considered for certification. This will normally be taken after the student has completed all other requirements, including both practicum experiences. The general rule is that at least 50 clock hours are required for each course hour, but the 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.
supervised research project, involving empirical or theoretical analysis. Clinical considerations are applied to professional judgment, diagnostic inquiry, and test interpretation. Students examine standardized intellectual and personality tests, objective personality methods, and clinical social issues (relevant to assessment). Prereq: Admission to graduate study in psychology, social work, sociology, or education. 8550 or equivalent recommended as a prerequisite.

5320 Individual Tests I (3) Administration, scoring, standardization, and interpretation of individualized administered tests with special emphasis upon intelligence testing. Prereq: 16 graduate hours in psychology including completion of all required courses for the master’s degree and Psychology 4310/8316 or 9090 and admission to either psychological assistant or school psychology program.

5450 Individual Tests II (3) Administration, standardization, and interpretation of individually administered tests with special emphasis upon intelligence testing. Prereq: 16 graduate hours in psychology including completion of all required courses for the master’s degree and Psychology 4310/8316 or 9090 and admission to either psychological assistant or school psychology program.

5500 Introduction to Therapeutic Techniques (3) The purpose of this course is to become familiar with play therapy, a technique used in helping the adjustment and maturity of children. The history and methods of and the use of play therapy are considered. Prereq: Permission of instructor.

5650 Learning in Children (3) A course dealing with learning, development, and acquisition of skills in the areas of study, work, and leisure, necessary for the adjustment of the child. The field of Industrial/Organizational Psychology will be explored in the context of psychology and instruction and supervision. Prereq: Graduate standing and instructor’s permission.

5940 Proseminar: Learning (3) A comprehensive introduction to the processes of acquiring knowledge and skills. Emphasis is placed on experimental methodology, and various factors related to the acquisition of skills. Prereq: Permission of instructor.

5850 Psychopharmacology (3) A study of the biological and psychological processes related to the use of psychotropics in the treatment of mental illness. Prereq: Permission of instructor.

5950 Proseminar: Analysis of Variance (3) A treatment of analysis of variance and covariance in psychology. Prereq: Psychology 2130 or equivalent.

9000 Theory of Research Design and (Design (3) The study of the theoretical and practical problems involved in the development and use of psychological methods and measures. Prereq: A minimum of one course in psychology and the psychology graduate program. Prereq: Psychology 2130 or equivalent.

9360 Cognitive Psychology (3) This course covers contemporary issues in theory and research concerning the development and application of theories of cognitive processes. Relevant areas of current research will be emphasized. Prereq: Permission of instructor.

9400 Social Psychology (3) An examination of theories, research findings and controversies in social psychology. Topics covered may include socialization; person perception; interpersonal attraction, leadership and group effectiveness; attitudes toward intergroup relations, power and social influence. New topics will be added as they become part of the research interests of social psychologists. Prereq: Permission of instructor.

9470 Psychopathology of Youth (3) To consider basic psychological theories, principles, methods, and research findings they apply to youth, especially focusing on the psychology of abnormality. Prereq: None.

9610 Industrial Organization & Morale (3) A course focusing on theory and research in the areas of work motivation, work behavior, and job satisfaction. Emphasis is placed on expectancy theory, job redesign, leadership, social influence, turnover, goal setting, and behavior modification. Prereq: Admission into industrial psychology graduate program.

9660 Industrial Training and Development (3) An analysis of the theoretical and practical problems of conducting training and development programs in response to actual industrial situation.
tions. Prereq: Admission into industrial psychology graduate program.

9650 Industrial Psychology Research Methods (3) Acquisition of skills in setting research proposals, executing research and writing articles. Course involves to introduce students to the various research data collection and statistical techniques that are applicable to industrial psychology research. Prereq: Admission into industrial psychology graduate program.

9660 Criticism Development and Performance Appraisal (3) An in-depth examination of the development and design of performance appraisals in business and industry. The course emphasizes job analysis, criterion development, and performance measurement and appraisal in organizations. Practical experience in the application of concepts and procedures is emphasized through group and individual projects in organizational settings. Prereq: Psychology 9590 (may be taken concurrently). Prereq: Admission into industrial psychology graduate program.

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 selection procedures. Various selection programs consistent with Equal Opportunity Guidelines and federal law. Prereq: Psychology 9660 (may be taken concurrently). Prereq: Admission into industrial psychology graduate program.

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, 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. Pre req: Completion of a Master's degree, and admission into the School Psychology Program.

9850 Topical Seminar in Psychology (1-3) A discussion of specific advanced topics which will be announced whenever the course is offered. Prereq: Permission of the instructor.

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 student or a departmental advisor. May be repeated up to a total of 12 credit hours. Prereq: Enrollment in a graduate program in the School of Public Affairs and Administration. Prereq: Admission to school psychology program and written permission of the department.

9960 Internship in School Psychology (3-6) A systematic exposure to the practice of psychology in the schools. School consultation in a variety of educational settings will be undertaken. The student's responsibilities will be documented in a contractual agreement between the intern student and the local and state education department. Prereq: Completion of 4 hours of Psychology 9950 and written permission of the School Psychology Committee.}

PUBLIC ADMINISTRATION

PROFESSORS: Paulson, Reynolds, Suzuki
ASSOCIATE PROFESSORS: Fieles, Seavey

Masters 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 professional development opportunities for those already in the public service.

Professionals with graduate education who seek advanced administrative skills. Students in the MPA Program will likely come from widely differing backgrounds. Some may come from a background in the liberal arts, social sciences, engineering, sciences, business, humanities, or the humanities. The MPA courses are usually 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 Affairs and 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.

Degree Requirements

Thirty-six 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 Introduction 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 public, state, local or nonprofit agency or service in a public or nonprofit organization. Where the internship is waived, an additional three-hour elective will be substituted.

In addition, a comprehensive written final examination is required of all MPA students.

Admission

The general prerequisite for admission to the MPA Program is a Bachelor of Arts or Bachelor of Science degree, or equivalent.

To be admitted unconditionally, the student must have achieved a grade average of 3.00 on a 4.00 system for full undergraduate program, for the undergraduate major or for public administration or for the junior-senior year and must have completed all other admission requirements for Graduate Studies. This includes completion of one of the following: the Graduate Record Examination (GRE), the Graduate Management Admissions Test (GMAT), or the Law School Admissions Test (LSAT).

Provisional admission may be granted where the student has achieved a grade average of 2.70 or above or has not completed one of the four examinations (GRE, GMAT, LSAT). Exceptions to the grade average may be made by the Graduate Program Committee in conjunction with the Graduate Dean where the applicant: has a demonstrated record of public sector administration; or has demonstrated through recent coursework an ability to successfully complete graduate work; or in public sector administrative service in a public or nonprofit agency. Where the internship is waived, an additional three-hour elective will be substituted.

Students who wish to take courses for professional growth or personal interest but who do not intend to pursue an advanced degree may be granted unclassified admission. To apply for admission to the MPA program, a student has to submit an application for admission, a work history or resume, and transcripts from all undergraduate institutions to the UNO Admissions Office.

Non-native Students

Any student who plans 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:

They must complete the TOEFL exam with a score of 550 or better.

The Department of Public Administration reserves the right to require students who have not completed courses in accounting, statistics or Introduction to Public Administration or equivalent, graduate level equivalents, to take the 2.70 grade point average may be made by the Graduate Program Committee in conjunction with the Graduate Dean where the student: has a demonstrated record of public sector administration; or has demonstrated through recent coursework an ability to successfully complete graduate work; or in public sector administrative service in a public or nonprofit agency.

The student must achieve a grade average of 3.00 on a 4.00 system for either the full graduate program, for the undergraduate major or above or has not completed one of the four examinations (GRE, GMAT, LSAT). Exceptions to the grade average may be made by the Graduate Program Committee in conjunction with the Graduate Dean where the student: has a demonstrated record of public sector administration; or has demonstrated through recent coursework an ability to successfully complete graduate work; or in public sector administrative service in a public or nonprofit agency.

The student must achieve a grade average of 3.00 on a 4.00 system for either the full graduate program, for the undergraduate major or above or has not completed one of the four examinations (GRE, GMAT, LSAT). Exceptions to the grade average may be made by the Graduate Program Committee in conjunction with the Graduate Dean where the student: has a demonstrated record of public sector administration; or has demonstrated through recent coursework an ability to successfully complete graduate work; or in public sector administrative service in a public or nonprofit agency.

1. Should the student be unable to pass the TOEFL exam, or meet the requirements as described in the English Diagnostic Test, they will be required to enroll in "English as a Second Language" courses as offered by the English Department at UNO and demonstrate to their instructor and the ILINO staff that their English competency is adequate for graduate level work. When such competency has been determined, the student will be allowed to enroll in MPA courses.

Application for Candidacy

In accordance with Graduate College guidelines, students must apply for candidacy for the degree when: (1) a minimum of six hours of graduate credit necessary to the degree program have been completed; (2) a grade average of "B" with no grade lower than "C" has been earned; (3) the appropriate examination score (GRE, GMAT, LSAT) has been achieved in combination with the Graduation Office; and (4) the student is currently carrying all courses complete within their area of study. As a rule, no degree credits offered by another institution may be applied toward the degree for which the student is seeking admission. If any course credits are to be applied toward the degree requirements, the student must complete the TOEFL exam with a score of 550 or better. The student must complete the TOEFL exam with a score of 550 or better. The student must complete the TOEFL exam with a score of 550 or better.

Transfer of Credit

Students may transfer up to nine hours of graduate credit to count toward the MPA degree requirements. This requires approval of the Graduate Program Committee. Students should discuss this with their academic advisor. The request for transfer of credit should be made as soon as possible, but in no case later than when filing for candidacy. The request to transfer credits requires a letter of explanation from the student.

Core and Required Courses

The Department of Public Administration has six core courses, required for all MPA students. 1. PA 8400: Public Budgeting
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.

Required courses:

CRP 8110 Urbanism and Planning in the U.S.

Elective courses:

CRP 8130 Planning Process and Theory
CRP 4150/8150 Housing Policy and Development
CRP 8250 Research Methods for Planning
CRP 8260 Planning Administration and Implementation
CRP 8970 Selected Topics in Planning
CRP 8980 Special Problems in Planning
CRP 9130 Planning and the Natural Environment
CRP 9150 Planning within the Intergovernmental Context
CRP 9170 Planning with Minority and Low Income Groups
CRP 9240 Human Resource Planning
PA 8100 Seminar in Metropolitan Planning and Development

Public Works-Civil Engineering Option (12 hours from the following selected list in consultation with advisor.)

Transportation
CE 380/8860 Transportation Engineering II
CE 461/8610 Urban Transportation Planning
CE 462/8620 Airport Planning and Design
CE 463/8630 Transportation Geometrics
CE 464/8640 Traffic Engineering

Waste Resources and Environment
CE 429/8260 Environmental Pollution Control
CE 429/8260 Application of Chemistry to Sanitary Engineering
CE 429/8260 Biological Wastewater Treatment

Water Resources
CE 8520 Water Resources Development
CE 9140 Water Resources Planning

Social Work or Social Welfare Option (12 hours from the following selected list in consultation with advisor.)

Students taking this option should have a broad social science background.

Foundation Courses:

SW 8000 Human Behavior and the Social Environment
SW 8250 Social Welfare Policy, Services and Analysis

Macro Practice Courses:

SW 8500 Task Groups in Macro Practice
SW 8520 Social Work Administration
SW 8540 Social Welfare Planning
SW 8560 Supervision in Social Work
SW 8580 Advanced Policy Analysis and Implementation

Social Problem/Condition Courses:

SW 8520 Social Work in Mental Health
SW 8650 Social Work in Child Welfare
SW 8850 Social Work and the Law

Social Studies and Social Welfare:

SW 8940 Evaluation of Social Programs

The Environmental Option (12 hours to include at least one of the courses listed below, the remaining part of the program to be custom designed for the student at the discretion of the Committee of the Biology Department.) Students selecting this option must be approved for entrance into the graduate program by both the Department of Public Administration and the Department of Biology.

BIO 8190 Communities and Ecosystems
BIO 8200 Environments in Physiology
BIO 8280 Plant Ecology

The Criminal Justice Option (Students choosing this option should have background in criminal justice).

Required courses:

CJ 8110 Urbanism and Planning in the U.S.

CJ 8120 Seminar in Administration of Justice
CJ 8130 Criminal Justice Organization, Administration, and Management
CJ 8110 Criminal Justice Planning and Change
URBAN STUDIES
Master of Science With a Major in Urban Studies
This is a professional graduate degree which is designed:
(1) to prepare students for human service careers in an urban setting;
(2) for research or teaching in this field;
(3) for those already involved in urban problems and seeking additional professional training.
Qualified urbanists are being sought by a wide range of employers. Private corporations as well as public agencies are seeking employees who have a broad range of technical skills and an understanding of urban problems and their solutions.

The general prerequisite for admission to the Urban Studies Graduate Program is a Bachelor of Arts or Bachelor of Science degree.

Admission
The general prerequisite for admission to the Urban Studies Program is a Bachelor of Arts or Bachelor of Science degree or equivalent.

To be admitted unconditionally, the student must have achieved a grade average of 3.00 on a 4.00 system for either the full undergraduate program, for the undergraduate major of Public Administration, or for the junior-senior years of organization and administration of graduate Study.

This includes completion of one of the following: The Graduate Record Examination (GRE), the Miller Analogies Test (MAT), the Graduate Management Admissions Test (GMAT), or the Law School Admissions Test (LSAT).

Provisional admission may be granted where the student has achieved a grade average of 2.70 on a 4.00 scale or above or has completed one of the four examinations above.

 Exceptions to the 2.70 grade point average may be made by the Graduate Program Committee in conjunction with the Graduate Dean upon whose recommendation the student has a demonstrated record of work experience related to Urban Studies.

has a graduation date at least four years previous to application; or

has demonstrated through recent coursework an ability to successfully complete graduate work.

The student must have achieved a grade average of 3.00 on a 4.00 system or above or has completed one of the examinations as above, subject to approval.

A detailed resume must be included with the application.

Application for Candidacy
In accordance with Graduate College guidelines, students must apply for candidacy for the degree unconditionally:
(1) when they have achieved a grade average of 2.70 and Urban Program have been completed,
(2) when they have achieved a grade average of 3.00 or above or have completed one of the four examinations—GRE, MAT, GMAT, or LSAT

As a rule, no degree can be awarded in the same semester as candidacy for the degree is approved.

The student must have completed all other admission requirements for Admission to the 2.70 grade point average may be made by the Graduate Program Committee in conjunction with the Graduate Dean where the student has a demonstrated record of work experience related to Urban Studies.

has a graduation date at least four years previous to application; or

has demonstrated through recent coursework an ability to successfully complete graduate work.

The student must have achieved a grade average of 3.00 on a 4.00 system or above or has completed one of the examinations as above, subject to approval.

A detailed resume must be included with the application.

Transfer of Credit
A student may transfer up to nine hours of graduate credit to count toward the Urban Studies degree requirements. This requires approval of the Graduate Program Committee. Students should discuss this with their faculty advisor. The student must also be awarded the degree in the same semester as candidacy for the degree is approved.

Approval of the Graduate Program Committee is required if the student wishes to transfer credit

for graduate credit to count toward the degree requirements. This requires approval of the Graduate Program Committee. Students should discuss this with their faculty advisor. The student must also be awarded the degree in the same semester as candidacy for the degree is approved.

A degree must be made as soon as possible but in no case later than when filing for candidacy. The request to transfer credits must be accompanied by a letter of explanation from the student.

Degree Requirements
One hundred and thirty-two semester hours of coursework are required. A core of six required courses will be completed, and nine credit hours must be taken from one of three areas of concentration. The required courses include Urban Studies 8070, 8020, 8280, 8300, 8440, and a course in graduate research methods. Concentration areas may include but are not necessarily limited to the following:

Public Administration
Community and Regional Planning 8116, 8136, 8156, 9240, Public Administration 8050, 8436, 8110, Sociology 8165, 8175, 8176, Geography 8010, 8300, 8310, 8770, Geography 8130, 8156, 8210, 8216; or any of the courses listed above, subject to approval. Eight hours of coursework must be at the 8000 level. (A Master’s thesis is not required.)

A comprehensive final examination is required, but a thesis is not required.

Public Administration
8056 Survey of Public Administration (3)
The course is designed for undergraduate students who have had no undergraduate introduction to Public Administration courses. It is a study of the environment of public administration, introducing the student to public organization theory and practice, the role of government, and the organization and problems of the public administration process. Prereq: Course in American Public Administration.

8306 Seminar in Public Policy (3)A study of the economic, social, and political determinants of public policy analysis procedures and the legislative and executive processes. This course includes both study of general policy processes and, to a lesser extent, particular policy topics. Prereq: Permission of advisor.

4303/8343 Municipal Administration (3)
The administrative structure and administration of public services. The course includes coverage such areas as financial, personnel, public works, public safety, utilities, and planning. Prereq: PA 2170 or PA 6050 or Permission of Graduate Advisor.

8846 Public Sector Labor Relations (3)This course deals with the origins, characteristics, and implications of public sector employee unions and how they relate to public sector personnel practices. Prereq: Permission of advisor.

8806 Administrative Law (3)A review of the administrative process and the administrative procedure in government administration, including delegations of power, methods of and techniques for professional courses along with the legalities, techniques, and implications of administrative actions. Prereq: Permission of advisor.

8800 Seminar in Research Methods in Public Administration (3)A seminar in the methodology and techniques of data collection and analysis for public policy and public administration research and decision making. (Also listed under Political Science and Public Administration as MPA 270, 2050, 2070, 2090, 2210.) Prereq: Permission of advisor.

1810 Seminar in Public Administration (3)An in-depth study of the relationships existing between the arts and sciences of public administration and public management. (Also listed under Political Science and Public Administration as MPA 270, 2050, 2070, 2090, 2210.) Prereq: Permission of advisor.

8416 Introduction to Federal Budgeting (3)A study of public sector budgeting, including revenues, history, process, processes, sources of funds, and implications of public and private sector cooperation. Prereq: PA 2170 or PA 6050 or Permission of advisor.

8410 Personal Management (3)A study of the personnel processes in American governmental administration. The processes and problems of recruiting, selecting, evaluating, and terminating public employees are examined as well as problems in personnel leadership, organizational ability and performance. Prereq: PA 2170 or PA 6050.

8420 Introduction to Public Organizations (3)A study of the various approaches to understanding public organizations and the relationship of these approaches to the design and functioning of public agencies. Prereq: PA 2170 or PA 6050 or permission of advisor.

8440 Seminar in Organization Development in Public Agencies (3)A study of the theory and practice of organizational development in public agencies. Development of interpersonal skills involving understanding organizational problems and the strategies for dealing with them. Prereq: PA 2170 or PA 6050 or Permission of advisor.

8530 Seminar in Advanced Management (3)A study of public administration theory and method related to analysis of problems of management in the public sector. Prereq: MPA 2000 or PA 2050.

The course includes problem analysis, field study methods, design of improved methods, selecting alternatives and developing decision packages. Prereq: PA 2170 or PA 6050 or approval of advisor.

8470 Administrative Ethics (3)This course is designed to provide students with a management awareness 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 the instructor.


8500 Issues in Public-Private Sector cooperation (3)This course introduces students to the organization and processes, as well as the techniques, of public-private sector cooperation. The objective of such a course is to familiarize the student with the techniques of public and private sector cooperation so that such cooperative activities have become an important aspect of public administration in recent years. Prereq: Permission of Advisor.

8550 Issues in the Administration of Non-Profit Organizations (3)This course introduces students to the administration and management of non-profit organizations and the relationship of these organizations to government. Prereq: Permission of Advisor.

8700 Seminar in Grants and Contracts (3)A seminar in the development, acquisition and administration of grants and contracts. The seminar will include legal considerations and contracts and for applicant and awarding agencies, pro-
I and social services, with communities, societies, and organizations with a view to helping in the services, ... of 6 hours to be granted upon completion of writing the dissertation and permission of faculty adviser.

ASSOCIATE PROFESSORS: 

PROFESSORS: 

Sociology and collective associations, with communities, societies, and organizations with a view to helping in the services, expanding knowledge and experience in the areas of the world. (Also listed under geography.)

8840 Research In Public Administration (3) 

This course explores two central themes, race and ethnicity, which have played a dominant role in the shaping of American society and American culture.

8830-8840 Interdisciplinary Seminar On The Urban Community (3-4) 

An interdisciplinary course on the metropolitan community in which urban problems are put in a broad inter-related focus. (Also listed under economics, geography, political science, and sociology.)

Specially planned readings in public administration rather than additional classroom work.

This course is intended for advanced graduate students in public administration. It is especially suited for those in-career students who have had their internships waived and who might profit more by in-depth research on a public administration rather than additional classroom courses. Prereq: 15 hours graduate work in public administration and permission of faculty adviser.

8000 Human Behavior and the Social Environment (3) 

A foundation course providing basic knowledge of the contributions of the biological, behavioral, and social sciences to understanding of human functioning in transaction with societal influences. Prereq: Concurrent with Social Work student permit or permission of School.

8050 Social Welfare Policy, Services & Analysis (4) 

An overview of public policy development and the functioning of specific delivery systems together with beginning policy analysis. Prereq: SW 8100; Graduate School student permit or permission of School.

8100 Social Work Practice I (Generic) (2) 

This course is designed to serve as an introduction to the basic concepts, principles, skills, tasks and activities which are essential to the practice of social work and which serve as a foundation for further professional growth. Prereq: SW 8000 prior to or concurrent with SW 8100.

8120 Social Work Practice II (Micro) (3) 

An introductory course providing an overview of three basic theories of social work practice with individuals, families, and small groups. The emphasis is on social work as helping (i.e., family, child, and group), choice of intervention appropriate to working with individuals, small groups, or families. Prereq: SW 8000 prior to or concurrent with SW 8100.

8140 Social Work Practice III (Macro) (2) 

This is an introductory course for graduate social work students which surveys basic theories and principles of social work practice with organizations, families, and communities, and includes study of social action, community development and community organization. Prereq Concurrent with or subsequent to SW 8000, 8050, and 8100 or permission of School.

8160 Social Work Practice I (Professional) (2) 

This course is designed to provide general social work students to begining micro and macro social work practice. Prereq: SW 8160, concurrent with or subsequent to SW 8125, 8140.

Micro Practice Courses

8200 Micro Intervention I (3) 

An advanced course providing an in-depth study of the theory and practice of micro interventions with individuals and small groups. Prereq: SW 8170 or BSW.

8210 Micro Intervention II (3) 

To provide the student with knowledge and skill in research in various techniques in micro practice. Topics are selected at the discretion of the School. Prereq: SW 8000 or permission of School.

8250 Family Analysis and Treatment (3) 

This course introduces students to the theory and practice of micro social work practice. Topics are selected at the discretion of the School. Prereq: SW 8020 or permission of School.

8260 Gestalt-Transaction Analysis (3) 

An intensive didactic and experiential course designed to provide specific social work skills in the combined use of transaction analysis (TA) and gestalt therapy. Prereq: SW 8200 or permission of School.

8270 Analysis and Treatment of Sexual Problems (3) 

The course provides an intensive study of current theory and research in human sexuality. It emphasizes development of understanding and skills necessary for professional treatment of sexual problems for various client groups and counseling or providing treatment for sex-related problems. Prereq: SW 8200 or permission of School.

8280 Social Work Practice in Marriage, Divorce and Remarriage (15) 

This course offers students an advanced practice course designed to prepare students to work with couples and families experiencing problems in marriage, divorce, or remarriage. Prereq: For social work students, Social Work 8250; for others, professional practice course equivalent to SW 820, to be determined by course instructor.

8290 Clinical Seminar in Mental Health (3) 

The course utilizes a seminar format to explore and discuss various aspects of clinical practice in social work. Prereq: SW 8200, concurrent with or subsequent to SW 8125, 8140.
a mental health setting. The seminars include focus on theoretical foundations of assessment and skills, behavioral management, and treatment of the clinical setting, and relationship of the supervision in both educational and administrative roles. Prereq: SW 8170 or BSW, or permission of School.

8568 Social Work with Developmentally Delayed Children and Their Families (3) The course will include the legal, ethical, and social issues that are specific to working with children who are developmentally delayed. Prereq: SW 8140, SW 8170, or BSW, or permission of School.

Racial (3) An examination of social work institutions, including social welfare, with particular attention to the implications for social work practice and the social worker's practice. Prereq: SW 8140, SW 8170 or BSW, or permission of School.

8563/8564 Social Work in Health Care Programs (3) A critical review of social work's role in meeting the needs of patients and their families in the delivery of health care. Prereq: SW 8170 or BSW, or permission of School.

8570 Social Work in Child Welfare (3) The course is designed for the participants. Prereq: SW 8170 or BSW, or permission of School.

8560 Supervision in Social Work (3) The student with knowledge of theories and practice in supervision is used in supervising paid or on the leadership and helping functions of the consequences of child abuse and neglect. It will emphasize research issues in child abuse and neglect that are currently being addressed by under the supervision of School.

8566 Women's Issues and Sexism: A Social Work Perspective (3) This course will focus on the issues of feminism and gender in social work practice and their implication for social service delivery systems, social policy and social work. Prereq: SW 8100 or permission of the instructor.

4800/8801 Social Work with Minorities (3) The course will provide the student with in-depth training in social work practice and their implication for social service delivery systems, social policy and social work. Prereq: SW 8100 or permission of the instructor.

8866 Women's Issues and Sexism: A Social Work Perspective (3) This course will focus on the issues of feminism and gender in social work practice and their implication for social service delivery systems, social policy and social work. Prereq: SW 8100 or permission of the instructor.

5400/8400 Supervision in Social Work (3) The course will include the legal, ethical, and social issues that are specific to working with children who are developmentally delayed. Prereq: SW 8140, SW 8170, or BSW, or permission of School.

8566 Social Work with Developmentally Delayed Children and Their Families (3) The course will include the legal, ethical, and social issues that are specific to working with children who are developmentally delayed. Prereq: SW 8140, SW 8170, or BSW, or permission of School.

8400 Advanced Social Work Practicum I (3-4) To provide an advanced professional experience in micro or macro social work practice. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with placement, or one of the following: SW 8520, SW 8560, SW 8580, and SW 8650 prior to or concurrent with placement and permission of School.

8610 Advanced Social Work Practicum II (3-4) To provide an advanced professional experience in micro or macro social work practice. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with placement, or one of the following: SW 8520, SW 8560, SW 8580, SW 8650, SW 8580 prior to or concurrent with placement.

8420 Advanced Social Work Practicum III (3-4) To provide a third advanced practice opportunity in a setting selected by the student under the supervision of School. Prereq: SW 8140.
ASSOCIATE PROFESSORS: [List of names]

COURTESY FACULTY: [List of names]

Students must complete two graduate only level method courses and two graduate only level theory courses with grades of B or better, and must pass a comprehensive examination in a special area. Students must complete a minimum of 18 additional graduate semester hours of coursework. Detailed explanations of graduate requirements must 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 methods courses and two graduate only level theory courses with grades of B or better, and must pass a comprehensive examination in a special area. Students must complete a minimum of 18 additional graduate semester hours of coursework. [List of courses and requirements]

Anthropology

4200/8206 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 it has formed and are now growing as well as the social, economic, and cultural framework within the city. The course is intended to be comprehensive in theoretical orientation. There are required readings in urban studies and readings in two special lecture courses. Students are required to attend all lectures as well as to read and meet with the instructor and the students. In addition to the written work, the student will be required to present a paper on a topic mutually acceptable to all the instructor and the students.

4210/8216 Cultural Anthropology (3) Anthropology, economy, family, kinship, politics, religion, subsistence (medicine, technology, and worldview) are approached 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. Prereq: 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, cultural changes and development of Native American societies. Emphasis on the comparative study of Native American societies in the United States; introduction to archaeological investigation techniques, dating methods, and theoretical perspectives. Prereq: For 4220, Ant 1010 or 8226, permission of the instructor. Prereq: For 8226, permission of the instructor.

4250/8256 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 human beings in a structure, meaning, and use of language. Prereq: Permission of the instructor. Prereq: For 4250, permission of the instructor. Prereq: For 8256, permission of the instructor.

4260/8260 Cultural Anthropology (3) Arts, economics, family, kinship, politics, religion, subsistence (medicine, technology, and worldview) are approached 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. Prereq: Permission of the instructor.

4270/8276 Social Psychology (3) Theories of societal behavior, socialization processes, diversity of metropolitan communities, urbanization, population growth, urban neighborhoods, community power and urban policy, and social change and the interaction of politics, sociology, including Sociology 1010 or permission of the instructor. Prereq: For 8144, permission of the instructor. Prereq: For 8276, permission of the instructor. Prereq: For 4276, permission of the instructor.

4310/8316 Advanced Quantitative Methods (3) This course provides an advanced consideration of methodologies and the generation and management of quantitative social science data. Students will gain first-hand involvement in the process of data collection and evaluation, building computer files, and indecisive construction and evaluation. Prereq: Permission of the instructor.

4530/8536 Seminar in Cross-Cultural Communication (3) This seminar will be directed towards understanding the components of cultural and sub-cultural misinterpretations, with the purpose of bringing to awareness those factors which disturb communication in cross-cultural situations. Prereq: For 453, junior standing and permission of the instructor. Prereq: For 8536, permission of the instructor. Prereq: For 453, junior standing.

4620/8626 Sociology of Formal Organizations (3) Examine organizational theory and research related to management, social systems and organizational change. Prereq: For 4620, 9 hours of sociology, including Sociology 1010. For 8626, permission of the instructor.

5100/8106 The Community (3) A basic course in community sociology. Sociological theory and social processes by which the social sciences explore social problems and institution formation are studied. The development of theoretical models and methodologies in new fields is emphasized. Prereq: For 4100, 9 hours of sociology, including Sociology 1010. For 8106, permission of the instructor.

5110/8116 Applied Social Gerontology (3) An introduction to social gerontology with a special emphasis on the elderly. The course introduces students to the geriatric population and the techniques of empirical research are applied to the study of gerontology. Prereq: For 4110, 9 hours of sociology, including Sociology 1010. For 8116, permission of the instructor.

5150/8156 American Culture (3) A geography of the city from the viewpoint of history, site, and situation. Historical, economic, social, and comparative examples from contemporary and historical change. Emphasis is placed on the study of the city from the viewpoint of history, site, and situation. Historical, economic, social, and comparative examples from contemporary and historical change. Emphasis is placed on the city as 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. Prereq: Permission of the instructor. Prereq: For 4150, 9 hours of sociology, including Sociology 1010. For 8156, permission of the instructor.

5152/8152 Urban Sociology (3) An introduction to social gerontology with a special emphasis on the elderly. The course introduces students to the geriatric population and the techniques of empirical research are applied to the study of gerontology. Prereq: For 4150, 9 hours of sociology, including Sociology 1010. For 8156, permission of the instructor.
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. Each semester this course may be repeated in a student's program without implying duplication. Prereq: Permission.

8750 Seminar in Social Theory (3-6) Assigned reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in social theory selected by the instructor. As seminar topics change, this course may be repeated in a student's program without implying duplication. Prereq: Permission.

8950-8960 Practicum in Applied Sociology (3-6) A practical work experience under supervision which provides opportunity for applying methods of sociological study to practical problems. Prereq: Permission of the instructor. (Each 3) A practicum which provides opportunity for applying methods of sociological study to practical problems. Prereq: Permission of the instructor. (Each 3)

Admission Requirements

The requirement for conditional admission into a graduate degree program are as follows:

1. A valid teaching certificate except for Urban Education
2. An undergraduate major GPA of 3.0 or above
3. Completion of undergraduate deficiencies
4. An acceptable score on one of the following (must be completed before a second enrollment in course):
   a. Graduate Record Examination — minimum score of 840 on the Verbal and Quantitative sections
   b. Graduate Record Examination — minimum score of 1260 on the Verbal and Quantitative sections
   c. Miller Analogies Test — minimum raw score of 35

Comprehensive Examination

Students who seek the Master of Science degree must take a written Comprehensive Examination. This examination is taken at or near the completion of all coursework required in the approved Plan of Study.

Non-Degree-Seeking Students

Students who are not planning to pursue a program leading to a Master's degree are allowed to take courses for which they meet the prerequisites. Their graduate advisor will confer with them in planning for such courses. Students not pursuing a graduate degree will be admitted as non-degree students. Normally, no more than six hours taken as an unclassified student may be transferred into a graduate degree program.

Elementary Education

The Master of Arts Degree in Elementary Education requires 30 hours of coursework. This program allows for individualization and provides an opportunity for in-depth scholarly study in an area of interest. A master's thesis is not required and is included within the 30 hours. Programs for the Master of Arts degree in Elementary Education will be determined in consultation with the major advisor.

Degree Program

I. Required Courses ...................................................................................................... 21 hours

EDAD 8460 Administration and Supervision in Elementary Schools

II. Area of Concentration ......................................................................................... 9-12 hours

Each student will include in his/her Plan of Study, an area of concentration in a special field which will provide depth in an area of his/her interest. All concentrations will be decided upon in conference with the student's departmental advisor.

Possible choices include: Reading, Early Childhood Education, Gifted Education, Guidance, Improvement of Instruction, Learning Disabilities, Urban Education, Educational Administration, or an academic concentration, e.g., history, English, Anthropology.

III. Electives .................................................................................................................. 3-6 hours
Reading
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
   - TED 9110 Principles and Practices in Elementary Reading
   - TED 9120 Teaching Reading in the Secondary School
   - TED 9170 Seminar in Organization and Administration of Reading Programs
   - TED 9180 Seminar in Research in Reading
   - SPED 8130 Diagnostic and Remedial Instruction in Reading
   - SPED 8140 Measurement and Evaluation of Reading
   - SPED 8150 Commercial Practice in Reading
   II. Related Professional Courses
   - Including Introduction to Research and selected work in such areas as general education, teacher education, special education, and psychology.
   III. Related Graduate Courses
   - Including selected work in such areas as guidance and counseling and/or the various subject areas mentioned under sections I and II.

Secondary Education
Secondary Education students may earn the Master of Arts degree or the Master of Science degree. Professional certification and/or additional endorsements may be earned as a part of both degree programs by developing an appropriate Plan of Study in consultation with an advisor.

I. Required Courses
   - TED 8010 Introduction to Research
   - TED 8030 Seminar in Education: Secondary
   - TED 8140 Improvement of Instruction
   - TED 8990 Theses
   II. Related Professional/Academic Courses

Master of Science

I. Required Courses
   - TED 8010 Introduction to Research
   - TED 8030 Seminar in Education: Secondary
   - TED 8140 Improvement of Instruction
   - TED 8410 Field Research Techniques in Urban Education
   II. Related Teacher Education Courses
   - TED 8180 The Urban School
   - TED 8010 Introduction to Research
   - TED 8030 Seminar in Education: Secondary
   - TED 8140 Improvement of Instruction
   - TED 8410 Field Research Techniques in Urban Education
   - TED 8190 Conflict and Controversy in Urban Education
   - Anthropology and Urban Education
   - TED 8000

II. Electives (to be determined by the student and the advisor)

Teacher Education
4970/8970 Education for the Uncertain Tomorrow (3) This course is designed to develop practicing teachers' awareness of and skill in meeting students' needs in the areas of human understanding, of adults and youth. Prereq: Senior standing.
4080/8086 Mental Health for Teachers (3) A study of the principles and practices conducive to good mental health in the classroom. Major emphasis is given to the teacher's role in providing an environment that will foster learning to relate to others in a positive and effective way. Prereq: None.
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4280/8286 Patterns of Care in Early Childhood Education (3) This course is designed for persons with an interest in the area of early childhood education and its current status at the local, national and international levels. Prereq: Core 1500, TED 2250, 58 hours, required grade point average.

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 interdisciplinary 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.

I. Required Courses
   - TED 9110 Principles and Practices in Elementary Reading
   - TED 9120 Teaching Reading in the Secondary School
   - TED 9170 Seminar in Organization and Administration of Reading Programs
   - TED 9180 Seminar in Research in Reading
   - SPED 8130 Diagnostic and Remedial Instruction in Reading
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Master of Science

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   - TED 8140 Improvement of Instruction
   - TED 8410 Field Research Techniques in Urban Education
   - TED 8190 Conflict and Controversy in Urban Education
   - Anthropology and Urban Education
   - TED 8000

II. Electives (to be determined by the student and the advisor)

TED 8180 The Urban School
TED 8030 Seminar in Education: Urban
TED 8140 Improvement of Instruction
TED 8150 Field Research Techniques in Urban Education
TED 8160 Education and Society
TED 8170 Alternative Strategies for Education
TED 8190 Conflict and Controversy in Urban Education
Anthropology and Urban Education

Teacher Education
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for developing more meaningful and creative learning activities with children. Prereq: Graduate.

4668/8668 Literature for the Adolescent (3) This course is designed to assist library media specialists, teachers, and counselors to gain a greater understanding of adolescents, their reading habits, and interests. Prereq: Graduate. Prereq: Graduate Standing.

4710/8716 Reference and Bibliography (3) This course is designed to acquaint students with the techniques of assisting library users in their pursuit of information. Prereq: Admission to Graduate College.

4590/8596 Microcomputers and the Library Media Center (3) The course is designed for library media specialists and directors to acquaint them with the applications of the microcomputer to library services. Computer terminology, software and hardware evaluation, instructional uses, and practical library management uses will be included in the total study of microcomputers. Prereq: Graduate Standing.

4650/8656 Literature for Children and Youth (3) The course is designed as a graduate level course dealing with the utilization of library materials for children from pre-school through grade six reading level. It is to provide the student an opportunity to prepare, analyze, evaluate, and understand literature for children; to acquaint students with research in this field; and to provide an avenue for developing more meaningful and creative learning activities for children. Prereq: Graduate. Prereq: Graduate Standing.

4660/8666 Literature for the Adolescent (3) This course is designed to assist library media specialists, teachers, and counselors to gain a greater understanding of adolescents, their reading habits, and interests. Prereq: Graduate. Prereq: Graduate Standing.

4740/8746 Cataloging and Classification I (3) An introduction to the basic cataloging procedures prescribed by the American Library Association and the Library of Congress. The course will cover the basic principles behind: cataloging and classification requirements, Library of Congress Classification System, Sears List of Subject Headings, and MARC format. Prereq: Admission to Graduate College.

4750/8756 Cataloging and Classification II (3) Further study of cataloging and classification; working with nonstandardized reference work; combine evaluation of reference sources and services with various reference sources; and discuss reference materials in the sciences, humanities, and social sciences, and describe the process and flow of information through an information retrieval system. Prereq: Admission to Graduate College. Prereq: TED 8710. Reference Bibliography.

4780/8784 Cataloging and Classification (3) This course is designed to acquaint students with the principles of cataloging and classification systems. The course will cover the basic principles behind: cataloging and classification requirements, Library of Congress Classification System, Sears List of Subject Headings, and MARC format. Prereq: Admission to Graduate College.

4700/8706 Introduction to Research (3) To acquaint students with the nature and significance of research; to enable the student to analyze problems and apply research techniques; to give some understanding of the meaning and use of research in planning and preparing research reports.

4802 History and Philosophy of Education (3) This course is designed to provide a critical perspective, both historical and philosophically, of educational thought and practice in the United States. The course examines critically the evolution of educational thought from the Colonial era to the present U.S.

4830 Seminar in Education — Special Topics (3) This seminar is designed as an in-depth study of selected educational problems and ideas. When selected, a seminar is limited to elementary education, secondary education, urban education or other appropriate educational media. Prereq: Graduate Standing.

4840 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.

4860 Current Issues and Trends in Education (3) This course is designed for educators who anticipate a major role in the decision making process of planning for the future school. Prereq: Graduate.

3830 Effective Teaching Practices (3) This course will focus on specific characteristics and instructional techniques of effective teachers. Course content will be derived from research on teaching and learning which will provide teachers with an instructional paradigm that contains a research base and design. Prereq: Admission to the Graduate College. Admission to a College of Education Program or permission.

3830 Analysis of Teacher Behavior (3) Emphasis will be placed upon the observational systems for the analysis of teacher behavior in a classroom setting. Theoretical topics include in classroom variables, measurement and evaluation of classroom processes, use of rating scales for improving listening skills in today's classroom. Practical methods of teaching listening as video-tape equipment is stressed and research on teaching and learning with non-verbal behavior and simulation. Student proficiency in these observational systems using video-tape equipment is stressed.

3834 Methods and Techniques for Identification and Teaching Listening Skills in the Classroom (3) The identification of listening problems, and teaching methods are applied for improving listening skills in today's classroom. Practical methods of teaching listening as video-tape equipment is stressed and research on teaching and learning with non-verbal behavior and simulation. Student proficiency in these observational systems using video-tape equipment is stressed.

3850 Models for Teaching (3) This course is designed to increase awareness and knowledge of teaching models that will 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.

3860 Diagnostic and Corrective Instruction (3) This course is designed to study the various methods of diagnosing children's difficulties in the basic curricula. The emphasis will be on the educational and psychological aspects of the elementary school and corrective techniques for overcoming such problems. The area of reading is given particular treatment but other subject areas are related to other subject areas.

3870 Introduction to the Middle School (3) The course is intended for persons who have a need to understand the organization, philosophy, and content of the instruction given in the operation of the Middle School, and who will be required to pass a certification examination for professional assignments in the Middle School. Prereq: Admission to the Graduate College.

3890 Introduction to Instructional Theory Into Practice (3) This course is designed for practicing teachers who are working to improve teaching methods and skills relevant to the operation of the Middle School, and who will be required to pass a certification examination for professional assignments in the Middle School. Prereq: Admission to Graduate College.

3900 Improvement of Instruction: Mathe­matics (3) This course is designed for those students who wish to extend their skills in employing instructional techniques for teaching mathematics. Emphasis will be given to new developments such as computers and calculators and contemporary teaching procedures. Prereq: Admission to Graduate College.

3920 Trends and Teaching Strategies in Science Education (3) This course is designed for the graduate student whose study program emphasizes the area in the science of education. Its focus will be on the development and study of instructional techniques for teaching science in both elementary and secondary education. Emphasis will be given to new developments such as computers and calculators and contemporary teaching procedures. Prereq: Admission to Graduate College.

3920 Enhanced Instructional Microcomputer Techniques (3) This course will examine the ways in which microcomputers can be used to improve current curriculum offerings and enhance instructional activities in elementary and secondary schools. Course content will include the development of new instructional goals and practices and compare these with the capabilities/limitations of microcomputers. Current and projected software and hardware developments will be evaluated in relation to anticipated educational implications. Prereq: Graduate Standing or permission.

4560 Developing Microcomputer Instructional Courseware (3) This course is designed for teachers and other educational personnel who wish to design instructional software for a microcomputer. The concepts of task analysis, multimedia, computer graphics, student-computer interaction, evaluation and writing support materials for teaching methodology will be treated in depth. Prereq: TED 8590 or equivalent. Prereq: Graduate Standing.

4580 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 text/graphics operations of LOGO are considered with special emphasis placed on implementation with the various K-12 elementary and secondary school curricula. Prereq: Graduate Standing. No previous computer experience is required.

8440 International Curriculum Practices (3) An analysis of curriculum practices and procedures that are currently utilized in selected countries around the world. The content of this course is designed to give the student an understanding of the nature and trends in secondary school curriculum development and international variation. Student proficiency in these observational systems using video-tape equipment is stressed.

8450 Emerging School Curriculum (3) De­signated for those students who wish to extend their skills in employing instructional techniques for teaching science in both elementary and secondary education. Emphasis will be given to new developments such as computers and calculators and contemporary teaching procedures. Prereq: Admission to Graduate College.

8460 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 for the classroom. Prereq: Graduate Standing.

8470 Teaching Adults to Read: A Course in Remedial Reading for Improving Listening Skills in Today's Classroom (3) The course activities will include correspondence with foreign students and educators as well as in-depth research on assigned areas. Prereq: Graduate Standing.

8480 The Gifted Program (3) This course is designed 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 text/graphics operations of LOGO are considered with special emphasis placed on implementation with the various K-12 elementary and secondary school curricula. Prereq: Graduate Standing. No previous computer experience is required.

8820 Introduction to Vocational Special Needs Students (3) Designed for secondary education personnel who desire knowledge of the history and current status of Vocational Special Needs students. The course will cover both theoretical and practical applications of teaching disabled and handicapped students. Prereq: Admission to Graduate College.

8820 Computer Instruction for Adult and/or Special Needs Students (3) Designed for teachers, supervisors, coordinators, and administrators who are working with adult learners and/or special needs learners. The course includes principles in teaching adults, technological applications, and research and development that should be considered in developing curriculum to meet the needs of special populations. Prereq: TED 8590 Introduction to Vocational Special Needs.

8840 Career Exploration & Occupational Readiness for Special Needs Learner (3) The course involves the processes of diagnosing students' abilities, interests, and aptitudes, communicating occupational information, and assisting students in the preparation for job entry-level employment opportunities. Credit is intended for teachers, counselors, and educational support personnel. Prereq: TED 8590 Introduction to Vocational Special Needs.

8900 Administration & Supervision of Adults/Vocational Education (3) This course is designed to familiarize teachers with the administration of special education for adults. Prereq: Admission to Graduate College and TED 8900 - Introduction to the Education of the Gifted or permission.

8900 Introduction to the Education of the Gifted (3) This course involves the study of the various factors which affect the education of gifted and talented, as well as the practical program implications for the individual classroom. Prereq: Admission to Graduate College and TED 8900 - Introduction to the Education of the Gifted or permission.

8920 Practicum in Teaching the Gifted K-12 (3) This supervised practicum is designed to give field experience to the teacher whereby he/she may learn principles and procedures for teaching gifted and talented students. Prereq: Admission to Graduate College and permission of instructor.

8990 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 teachers. The major emphasis will be given to teaching reading in the classroom, analyzing associated problems, examining relevant research, and developing a practical knowledge of the education of gifted individuals. Prereq: Admission to Graduate College; one year teaching experience.

9120 Problems of Teaching Reading in the Secondary School (3) This course is designed for teaching reading in the elementary and secondary schools. Major emphasis will be given to the administration, organization, evaluation, and selection of materials for the teaching of reading from Kindergarten through the sixth grades. These are non-requirements except graduate standing.

9180 Teaching the Gifted and Talented (3) This course will focus upon the processes for developing a total sequential K-12 program for the gifted and talented, as well as the practical program implications for the individual classroom. Prereq: Permission of instructor.

9190 Practicum in the Education of the Gifted K-12 (3) This supervised practicum is designed to give field experience to the teacher whereby he/she may learn principles and procedures for teaching gifted and talented students. Prereq: Admission to Graduate College and permission of instructor.

9300 Creativity (3) This course focuses upon the study of the variables which affect the education of talented and gifted students, including the rationale, the identification, and the education of the gifted and talented student. Prereq: Admission to Graduate College.

9320 Improving Instructional Techniques (3) This course is designed for teachers who are teaching in the classroom. The course will be taught by a teacher expert in the field and will include methods for improving instructional techniques in the classroom. Practical methods of teaching listening as video-tape equipment is stressed and research on teaching and learning with non-verbal behavior and simulation. Student proficiency in these observational systems using video-tape equipment is stressed.

9350 Models for Teaching (3) This course is designed to increase awareness and knowledge of teaching models that will 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.

9360 Diagnostic and Corrective Instruction (3) This course is designed to study the methods of diagnosing children's difficulties in the basic curricula. The emphasis will be on the educational and psychological aspects of the elementary school and corrective techniques for overcoming such problems. The area of reading is given particular treatment but other subject areas are related to other subject areas.

9370 Introduction to the Middle School (3) The course is intended for persons who have a need to understand the organization, philosophy, and content of the instruction given in the operation of the Middle School, and who will be required to pass a certification examination for professional assignments in the Middle School. Prereq: Admission to the Graduate College.

9390 Introduction to Instructional Theory Into Practice (3) This course is designed for practicing teachers who are working to improve teaching methods and skills relevant to the operation of the Middle School, and who will be required to pass a certification examination for professional assignments in the Middle School. Prereq: Admission to Graduate College.

9410 Improvement of Instruction: Mathe­matics (3) This course is designed for those students who wish to extend their skills in employing instructional techniques for teaching mathematics. Emphasis will be given to new developments such as computers and calculators and contemporary teaching procedures. Prereq: Admission to Graduate College.

9420 Trends and Teaching Strategies in Science Education (3) This course is designed for the graduate student whose study program emphasizes the area in the science of education. Its focus will be on the development and study of instructional techniques for teaching science in both elementary and secondary education. Emphasis will be given to new developments such as computers and calculators and contemporary teaching procedures. Prereq: Admission to Graduate College.
9170 Seminar in Organization and Administration of Reading Programs (3) Participation in the seminar is limited to individuals who have completed at least one graduate reading course (or equivalent) and who are professional workers who are charged with the total or partial responsibility for organizing and administering reading programs. Familiarity with the philosophy of organization, and major research related to different reading programs will be emphasized. Local and area reading authorities will conduct panels and discussions on topics chosen by the students. Prereq: One graduate reading course or permission of instructor.

9180 Seminar in Research In Reading (3) A course for graduate and postgraduate students relating to in-depth studies of significant, recent research in reading with appropriate application for instructional procedures which may be undertaken. Each student will conduct self-initiated research on a topic. Research papers are to be presented in class. Prereq: One graduate reading course (or equivalent), FED 8810 (or equivalent), and permission.

9360 Seminar in Applications of Non-Verbal Communication Theory (3) Theoretical and research aspects of the development, facilitation and barriers of human non-verbal communication. Analysis of non-verbal interaction with specific applications to education, business, supervision, counseling, therapy and interpersonal speech communication. (Cross listed as Psychology 9360 and Comm. 9560.) Prereq: Course in research methods or permission of instructor.

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. Mgmt. or TC20) 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. UNO courses may also be used to satisfy certificateness.

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. Staff in the Graduate Programs will assist 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 areas offer graduate work leading to the Master of Science or Master of Arts degree.

Students applying for study in the Interdepartmental Area must hold a bachelor's degree in Home Economics or a related area. 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. Option I requires a thesis, and Option II and III a minimum of 40 credit hours or the equivalent. Reexaminations are conducted by the student and instructor. Prereq: Permission.

8310 Graduate Sculpture (3) Advanced work in area of student's choice with facilities for oxy-acetylene welding, casting, glaze composition, and the theory and practice of archaic firing. Prereq: Art 8316.

8316 Advanced Printmaking (3) Advanced work on the potter's wheel, glaze composition, loading and firing of gas and electric kilns. Prereq: Art 8416. 10 hours exclusive of freshmen courses in Biochemistry, in Microbiology, and in Physiology for a total of at least 18 hours in Human Nutrition and Food Service Management, Chemistry and Biological Science.

Human Development and the Family — Students may qualify for study in this area by presenting a baccalaureate degree from a baccalaureate degree and completing the purpose of that required in the Basic General Education Core in Home Economics plus a major of at least 18 hours in selected courses in Human Development and the Family. Qualifications for admission of applicants for study in Textiles, Clothing and Design and leading to a Master of Science or Master of Arts degree and will make recommendations to the Graduate College. These courses are scheduled as special seminars or special study areas.

Philosophy and Religion
Graduate courses in Philosophy and Religion are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Physics
Graduate Physics courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Art
Studio Art

4000/8000 Special Studies in Art Education (1-3) Admission to the program is limited to the history and theory of art education designed specifically for elementary and secondary school art teachers. The student must be selected by the department and approved by the Graduate Area Committee. Work may be taken for credit or on a non-credit 'C' basis. Prereq: Art 2510 and permission of instructor.

8100/8116 Technical Problems—Drawing (3) This advanced course is of interest to the art education major who is concerned with the history and theory of art education designed specifically for elementary and secondary school art teachers. The student must be selected by the department and approved by the Graduate Area Committee. Work may be taken for credit or on a non-credit 'C' basis. Prereq: Art 2510 and permission of instructor.

8216 Advanced Printmaking (3) Advanced work on the potter's wheel, glaze composition, loading and firing of gas and electric kilns. Prereq: Art 8416. 10 hours exclusive of freshmen courses in Biochemistry, in Microbiology, and in Physiology for a total of at least 18 hours in Human Nutrition and Food Service Management, Chemistry and Biological Science.

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**I 450-8650** Biochemistry Laboratory (1) Biochemistry laboratory for Chemistry 4500. (Physical Chemistry may be taken concurrently.)

**4654-8659** Biochemistry Laboratory (1) Biochemistry laboratory for Chemistry 4650. Experimental design and solution of selected problems in biochemistry. May not be taken concurrently. 

**4668-8656** Biochemistry (3) Intermediate level study of chemical methods, and biochemical techniques. 

**4690-8660** Biochemistry Laboratory (1) Biochemistry laboratory for Chemistry 4650. Experimental design and solution of selected problems in biochemistry. May not be taken concurrently.

**4580/8586** Introduction to Linguistics (3) An intensive familiarity with the broad spectrum of folklore in modern and ancient societies of the indo-european continent. Definition of folklore as an academic discipline and the delineation of the material studied by the student of folklore. Introduction to the methodology and problems in collecting, archiving, and research. To be taught in English. Permission: For 4100, at least three credit hours in German and permission. 

**4510/8516** Contemporary French and German Novels (3) Comparative study of selected contemporary French and German novels. Conducted in English with translations and additional readings in German for German students. 

**4710/8716** Contemporary French and German Drama (3) Comparative study of selected contemporary French and German plays. 

**8310/8316** German Literature of the 19th Century (3) Survey of the literature of the nineteenth century from Romanticism to the naturalism. 

**4380/8386** German Civilization From The 18th Century To The Present (3) Detailed analysis of German culture and history. 

**4150/8156** German Literature of The Eighteenth Century (3) The principal dramatic, epic, and lyric works of the German classical writers. 

**4140/8146** German Drama (3) History of drama production, study of several of the more important plays. 

**4490/8496** German Literature of The Soviet Decades (3) The principal dramatic, epic and lyric works of Russian and German writers. 

**4550/8556** German Literature of The Eighteenth Century (3) A study of representative authors of the enlightenment, including Lessing, Goethe, Schiller, and Kant. 

**4580/8586** Introduction to Linguistics (3) An introduction to the concepts and methodology of linguistics.
the scientific study of language; includes language description, history, theory, variation, and acquisition, as well as semantics, lexicography, and foreign language teaching. Prereq: Junior standing or permission of instructor.

4580/8586 Introduction to Linguistics (3) An introduction to the basic bibliography and methodology of linguistics. Prereq: Philosophy and Religion or permission of instructor. Prereq: Permission of the instructor.

4900/9060 Independent Study (1-3) Guided independent study under tutorial supervision. May be repeated with different topics but not in the same semester for a maximum of six semester hours total. Prereq: Permission of instructor.

4900/9066 Pro-Seminar (1-3) A detailed study of the foremost SpanishAmerican drama­

4100/8100 Advanced Conversation and Composition (3) For graduate students who need a refresher course in conversation, grammar, and composition. Prereq: Graduate status.

4110/8110 Theater of the Golden Age (3) An study of the Spanish dramatists and plays of the sixteenth and seventeenth centuries, with emphasis on Lope de Vega, Tirso de Molina, and Calderón de la Barca. Prereq: For 4110, Spanish 3170 or permission of the instructor.

4110/8116 Novel of the Golden Age (3) Study of the prose novellas of the sixteenth and seventeenth centuries, including such works as Cervantes's La Gitanilla and Don Quijote. Prereq: For 4110, Spanish 3170 or permission of the instructor.

4120/8126 Latin American Literature of the Twentieth Century (3) Critical and analytical study of prose fiction, poetry, and drama by Latin American writers, along with their historical and cultural background. Does not apply toward foreign language requirements. Prereq: Permission of the instructor. Prereq: Spanish 3220 or permission of the instructor.

4180/8186 Chicano Literature and Culture (3) English. A study of the representative works of Mexican American, Chicano, and American writers, along with their cultural and historical background. Does not apply toward foreign language requirements. Prereq: Permission of the instructor. Prereq: English 3180/8186.

4200/8206 Latin American Novel (3) Study of representative novels and novellas of the nineteenth and twentieth centuries, with emphasis on the practice of contemporary authors. Prereq: Spanish 3220 or permission of the instructor.

4240/8246 Generation of 1898 (3) Examination of the ideology, philosophy, and literary techniques of Unamuno, Zuloaga, Martinez Rute, Valle-inclan, Barjoa, and Antonio Machado. Prereq: Spanish 3180 or permission of the instructor.

4550/8556 Short Story (3) Representative stories of the nineteenth and twentieth centuries, from Romanticism to current poetry. Prereq: 9110 and 3250 or permission of the instructor.

4550/8556 Modern Drama of Spain (3) Ide­

4560/8566 Modern Novel of Spain (3) Aro­

4560/8566 Philosophy of Mind (3) A discus­

8115 Current Topics in Science (1-3) The subject matter of this course will generally not be presented in a standard ways and may be of an interdisciplinary nature. The subject matter and prerequisites will be listed in the schedule. Prereq: Consent of instructor.

3750/8755 Electricity and Magnetism I (3) An advanced discussion of electrodynamics and mag­

3750/8756 Electricity and Magnetism II (3) A course in electromagnetic theory, Maxwell's equations and methods for their solution, boundary conditions, as well as energy, moment­

3850/8856 Thermodynamics and Statistical Mechanics (3) The topics of thermodynamics in­clude various equations of state, first and second law of thermodynamics, thermodynamics poten­

4350/8356 Astrophysics (3) Physics and theory of the physical characteristics, distribution, and space motion of stars, the differential internal structure, evolution, and death of stars of stellar atmospheres, interstellar matter and gas­

4500/8500 The Philosophy of Space Exploration (3) This course is mainly based with the jus­

Philosophy

4500/8500 The Philosophy of Space Exploration (3) This course deals mainly with the jus­

4550/8556 Philosophy of Mind (3) A dis­

4950/4960/8956-8966 Problems in Physics (Each 1-3) Individual laboratory and/or library program of readings pertinent to development of the thematic, technological, and interstellar exploration, space colonies, search for life elsewhere, and other related theo­
PAUL B. ACKERSON Teacher Education Ed.D., Oklahoma State University, 1965; Professor

JAMES C. AKERS Counselling and Special Education Ed.D., Oklahoma State University, 1969; Associate Professor

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W. KENTON BALES Music D.M.A., North Texas State University, 1980; Assistant Professor

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NICHOLAS BARISH Geography Ph.D., Clark University, 1967; Professor

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VIRGINIA L. BEAN Accounting Ph.D., University of Texas at Austin, 1965; Professor

GORDON M. BECKER (GF) Psychology Ph.D., University of Pittsburgh, 1955; Professor

JOSEPH V. BENAK Civil Engineering Ph.D., University of Illinois-Urbana, 1967; Professor and Vice Chairman

ROBERT W. BENECKE Finance, Banking and Insurance D.B.A., University of Colorado-Boulder, 1966; Professor

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DAVID BOAMAH-WIAFE Black Studies Ph.D., University of Wisconsin, 1978; Assistant Professor

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WILLA BRUCE Public Administration Ph.D., Virginia Polytechnic Institute, 1965; Assistant Professor

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GRADUATE FACULTY
I. Academic Faculty

JOON-GUN CHUNG (GF) Assistant Professor

J. BRAD CHAPMAN (GF) Associate Professor

FACULTY & ADMINISTRATION

DALE GAEDDERT History Ph.D., The Ohio State University, 1969; Associate Professor

ELVIRA E. GARCIA Foreign Languages Ph.D., University of Nebraska-Lincoln, 1976; Associate Professor

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KENNETH GELUSO (GF) Biology Ph.D., University of New Mexico, 1972; Associate Professor

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CHARLES G. GILDERSEE Professor, University of Nebraska-Lincoln, 1972; Associate Professor

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MARSHA W. GILLILLAND Civil Engineering Ph.D., University of Florida, 1973; Associate Professor

KENNETH J. GILREATH Counseling and Special Education M.S., University of Nebraska at Omaha, 1967; Associate Professor

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JULIE HORNBY Criminal Justice Ph.D., University of California-San Diego, 1973; Associate Professor

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JAMES D. HOSKINS English Ph.D., University of Nebraska-Lincoln, 1979; Associate Professor

BEVERLY H. HUGGEN Social Work Ph.D., University of Nebraska-Lincoln, 1979; Associate Professor

JANET W. JANSSEN Political Science Ph.D., University of Nebraska-Lincoln, 1972; Associate Professor

JOHN W. JENSEN Chemistry Ph.B., University of Wisconsin-Madison, 1979; Assistant Professor

DONALD J. JOHNSON Psychology Ph.B., University of Nebraska-Lincoln, 1964; Professor

NORMAN R. JONES History Ph.D., University of Nebraska-Lincoln, 1976; Associate Professor

IDA M. JONES Teacher Education Ph.D., University of Nebraska-Lincoln, 1976; Associate Professor

HARLEY J. KARLES Economics Ph.D., Purdue University, 1975; Associate Professor

HARLEY J. KARLES Economics Ph.D., Purdue University, 1975; Associate Professor
UNIVERSITY ADMINISTRATION

Chancellor
Del D. Weber

ACADEMIC AFFAIRS

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John T. Ferr, Assistant Vice Chancellor
Elaine Hess, Associate Vice Chancellor

Marilyn Leach, Coordinator, Center for Improvement of Instruction
James Maynard, Director, Institutional Research
Rosalie Saltzman, Coordinator, Honors Program

THE COLLEGES AND LIBRARY

University of Nebraska at Omaha

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Sharon Davis, Grants Development

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John Maloney, Chairperson, Mathematics
and Computer Science
Charles R. Gildenboeck, Chairperson, Geography-Geology
Thomas Gouttiere, Director, International Studies and Programs; Director, Center for Afghan Studies
Gordon D. Hansen, Associate Dean
Mantiee Wilkoff, Assistant Dean
Barbara Hayhoyme, Chairperson, Biology

Business Administration
Larry R. Trussell, Dean
David M. Ambrose, Chairperson, Marketing
Robert E. Blumert, Director, Nebraska Business Development Center
David Buehlmann, Chairperson, Accounting
J. Brad Chapman, Associate Dean

Continuing Studies
Alan S. Hackel, Dean
Larry Whitley, Director, Division of Academic Programs

Education
Richard B. Flynn, Acting Dean
Larry M. Albertson, Chairperson, Teacher Education
Carl Ashbaugh, Associate Dean
Michael Stewart, Acting Director, School of Health, Physical Education and Recreation

Robert C. O'Reilly, Chairperson, Educational Administration and Supervision
Sandra K. Squires, Chairperson, Counseling and Special Education

Fine Arts
David L. Shander, Dean
Thomas Majekis, Chairperson, Art
Roger Foltz, Chairperson, Music

Public Affairs and Community Service
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Ellen Jane Bailey, Chairperson, Technical Services
John A. Redfeather, Chairperson, Library Collections Department

University of Nebraska-Lincoln

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Joseph V. Banak, Vice Chairperson, Civil Engineering
William Holmes, Chairperson, Construction Systems Technology

Home Economics
Hazel Anthony, Dean

BUSINESS AND FINANCE
Gary L. Carte, Vice Chancellor
Julie Totten, Assistant Vice Chancellor for Business and Finance, and Director of Finance
Neel A. Moogsen, Assistant Vice Chancellor for Business and Finance, and Director of Facilities, Management and Planning

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Ronald L. Pullen, Director, Audio Visual
Duncan Sargent, Director, Admissions
Ronald Gerhardt, Registrar
Gardner Van Dyke, Assistant Vice Chancellor, Student Academic Services
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Richard M. Snowden, Director, Campus Computing
Mary E. Williamson, Executive Assistant to Chancellor
Jan Leslie, Director, Alumni Association
Donald W. Peterson, Director, Broadcasting
Connie Clausen, Coordinator of Women’s Athletics
Robert E. Thompson, Director, Intercollegiate Athletics

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Please note: The specific requirements for the various graduate programs offered and the descriptions of courses offered by those programs can be found in the section entitled 'DEGREE/CERTIFICATE REQUIREMENTS AND COURSE DESCRIPTIONS'. See the Table of Contents for page numbers for the desired programs.

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