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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BASIC INFORMATION
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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 in behalf of individuals, families, groups, and socal 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.
Philosophy and Religion

Horn or

Foreign Languages

Sociology

Public Administration

Music-MM

Mathematics-MA, MS, MAT

English-MA

Health, Physical Education and Recreation-MA, MS

Secondary Education-MA, MS

Elementary Education-MA, MS

Educational Administration-ES

Graduate Catalog

SUMMARY OF ADMISSION PROCEDURES

1. In order to receive graduate credit for courses taken at the University of Nebraska-Lincoln, 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 students enrolled in the College of Graduate Studies who have not been admitted to candidacy for the degree. Students who have been admitted to candidacy for the degree shall follow the regulations in the 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. 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.
3. Anyone wishing to apply for admission to graduate studies at UNO should:
   - Obtain an Application for Admission to graduate studies at UNO from the Office of Admissions; University of Nebraska at Omaha; 103 Epbell 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 or MAT) sent to the Office of Graduate Studies; applicants for Unclassified admission are not required to submit these test scores.
   - When the file in the Office of Admissions is complete, the Office will forward the file to the appropriate department/area for review. The applicant will be notified by mail when this is done.
   - The recommendation by the department/area Graduate Program Committee on admission of the applicant will be sent to the Dean for Graduate Studies and Research. All recommendations on admission are subject to the approval of the Dean.
   - The Office of Graduate Studies will officially notify each applicant by mail of acceptance or denial of the application. This notification will include the classification of admission, identified deficiencies, assignment of advisor, reason for denial (if appropriate), etc.
   - All applicants admitted to UNO are sent an official Certificate of Admission which 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 advisor(s) 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 formally be 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 at least fifteen 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 student 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 wishing to participate in the Commencement ceremony must order a cap, gown and hood from the Bookstore.

GRADUATION CHECKLIST

- Incomplete credits from a previous term must be completed so that the grades will be in the Graduate Studies Office at least twelve working days before graduation.
- Pay all fees and fines and satisfy all obligations to the University at least twelve working days before graduation.
- Order a cap, gown, and hood from the Bookstore.

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

- Obtain a copy of "Instructions for the Preparation of Thesis" from the Graduate Studies Office.
- A "Supervisory Committee for a Thesis Program" form must be on file at the Graduate Studies Office.
- Make arrangements with your department for oral exams and defense of thesis or field project.
- Call the Graduate Studies Office before the defense and a copy of the Degree Completion Report will be sent to your department. This must be signed by the Supervisory Committee before approval of the thesis. Return form to Graduate Studies Office promptly.
- The approved thesis or field project must be deposited in the Graduate Studies Office together with the proper number of copies at least twelve 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, 1987-88

- July 2: Last day for submitting credentials for admission to Graduate Studies for First Semester 1987-88.
- Aug. 17-21: Registration.
- Aug. 24: First semester begins at 7:00 a.m. both day and evening classes.
- Aug. 24-28: Change of class schedules.
- Aug. 29: Last day until 4:00 p.m. to: Add a course to student's schedule; Add an "audit" course; Change to "CR/NC" grade in a course.
- Sept. 7: Vacation: no classes. University closed.
- Sept. 8: Vacation: no classes.
- Oct. 2: Last day for filing applications for degrees to be conferred in December.
- Nov. 6: Last day for filing applications for degrees to be conferred in December.
- Nov. 25-29: Thanksgiving vacation: no classes.
- Nov. 30: University closed.
- Dec. 4: Last day for submitting credentials for admission to Graduate Studies for Second Semester 1987-88.
- Dec. 12: Last day of classes.
- Dec. 18-21: Finals.
- Dec. 19: Commencement.
- Dec. 28-Jan. 9: Special course offerings.

Second Semester 1987-88

- Jan. 5-8: Registration.
- Jan. 11: Second Semester begins at 7:00 a.m. both day and evening classes.
- Jan. 15: Last day until 4:00 p.m. to: Add a course to student's schedule; Add an "audit" course; Change to "CR/NC" grade in a course.
- March 4: Last day for filing applications for degrees to be conferred in May.
- March 28: Classes resume at 7:00 a.m.
- April 1: 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 1988.
- April 10: Honors Day.
- April 30: Last day of classes.
- May 4-6: Finals.
- May 7: Commencement.
- May 9: Last day for submitting credentials for admission to Graduate Studies for the First Summer Session 1988.
- May 30: Memorial Day: University closed.
- Summer Session 1988

- May 16-July 1: Evening Session "A".
- June 8-9: Registration.
- June 10: Last day for submitting credentials for admission to Graduate Studies for Second Summer Session 1988.
- June 13-July 15: First Summer Session.
- June 25-Aug. 12: Evening Session "C".
- July 8: Last day for filing applications for degrees to be conferred August 20, 1988.
- July 18-Aug. 19: Last day for submitting credentials for admission to Graduate Studies for the Fall Semester, 1988-89.
- Aug. 20: Second Summer Session.
- Summer Commencement.
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, in cooperation, administers the graduate programs on that campus; serves as president of the Faculty of the Graduate College and the academic authority of the Graduate Faculty is vested in the Executive Graduate Council, comprising thirty Members elected by the faculty of the Graduate College and graduate student members. Specific responsibilities of the Division of the Executive Graduate Council may be found in the “Organisation of Graduate Studies: University of Nebraska at Omaha.”

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 president of the Faculty of the Graduate College and the academic authority of the Graduate Faculty is vested in the Executive Graduate Council and forwards to the Dean of the Graduate College matters which are of University-wide concern. The UNO Graduate Faculty consists of those members of the University-wide Graduate Faculty administratively assigned to UNO. The UNO Graduate Council serves as an advisory body to the Graduate Studies and Research, coordinates the graduate studies on the UNO campus and recommends to the Executive Governance new policies or changes in existing policies. The UNO Graduate Council is recommended by the departmental chairpersons and the Dean of the Graduate College.

GRADUATE FACULTY

Graduate Faculty Members

Responsibilities: Graduate Faculty Members may teach graduate courses, supervise students enrolled in doctoral programs, serve on graduate program committees for three students, and vote on any matters presented to the Graduate Faculty including the election of the Executive Graduate Council and the cabinet of the Graduate College.

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

1. The nominee must hold the rank of Assistant Professor or above.
2. The nominee must hold the terminal degree normally accepted for academic employment in the discipline or its clear equivalent as determined by the Graduate Program Committee of the nominee’s department or interdepartmental area.
3. The nominee must have demonstrated clear evidence of scholarly activity and potential beyond participation in the graduate program. 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 students working toward post-baccalaureate degrees, vote on all matters presented to the Graduate Faculty and vote on nominations for Graduate Faculty Fellows.

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

1. The nominee must be a Graduate Faculty Member or meet all criteria for Graduate Faculty Membership.
2. The nominee must have published research and scholarly work of quality, or have demonstrated comparable creative achievement.
3. The nominator must indicate the nominee’s terminal degree and that the work the nominee has accomplished is of University-wide significance.
4. The nominator must provide evidence of academic reputation and membership in scholarly societies.
5. The nominator must provide evidence of productive creative activity in the discipline.

GRADUATE PROGRAM COMMITTeES

Each graduate department authorized to offer major work leading to the Master’s or doctoral degree shall have established for it a Graduate Program Committee consisting of not less than three Graduate Faculty Members, one of whom is designated as chairperson. In the case of a graduate department offering a doctoral degree, the majority of the Committee and its chairperson must be Graduate Faculty Fellows.

Upon admission to graduate studies in a graduate department, each student is assigned an adviser by the Graduate Program Committee. This adviser is responsible to the student and to the Graduate Program Committee for the plan of study that satisfies all requirements of the program and of the Graduate College. To assure accountability and maintenance of high academic standards, a Graduate Program Committee must be provided by Members or Fellows of the Graduate Faculty (with exceptions possible only for persons with a primary advisory role under the direct supervision of a Member or Fellow). A change of adviser requires official action.

GRADUATE STUDENT ADVISERS

Upon admission to graduate studies in a graduate department, each student is assigned an adviser by the Graduate Program Committee. The adviser is responsible to the student and to the Graduate Program Committee for the plan of study that satisfies all requirements of the program and of the Graduate College.

SUPERVISORY COMMITTEES

Some graduate programs require the establishment of a supervisory committee for each student. In particular, each student in the Graduate College (page 5) must have a supervisory committee. Each committee is appointed by the Dean for Graduate Studies and Research based upon recommendation of the Graduate Program Committee. The committee shall consist of at least two voting Graduate Faculty Members from the student’s graduate department. In addition, other qualified persons may be appointed to ex-officio (non-voting) status if it is believed that they can provide needed expertise or that they could gain valuable experience by participating on the committee. If the student is under Option I, the chairperson of the committee shall be considered the student’s thesis adviser.

UNIVERSITY OF NEBRASKA AT OMaha
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 degree 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 UNL 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 the sex or race or sex or race or sex of a student or prospective student's race, color, national origin or religious, sex, national origin or other characteristic which would result in discrimination against a student or prospective student or his/her association with others on the basis of sex or race or sex or race or sex of a student or prospective student or his/her association with others on the basis of sex or race or sex of a student or prospective student or his/her association with others on the basis of sex or race or sex of a student or prospective student or his/her association with others on the basis of sex or race or sex of a student or prospective student or his/her association with others on the basis of sex or race or sex of a student or prospective student 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University Campus Computing

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

The UNO Campus offers a full range of automated data processing services to students, faculty and staff. Centralized 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 three major systems: two VAX 11/780 computers with 12 megabytes of memory each, and a PDP 11/64 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 use, however many students use them for independent research projects. There is a full array of software on our computers to satisfy the many 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 four user areas in the UNO campus for use by students and faculty. These rooms are in the basement of the College of Business Administration, the first floor of the Arts and Sciences Building, and the second floor of the Peter F. Kiewit Conference Center. Consultants are available in the 110 Eppley Administration Building 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 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 academic pursuits. Among the many student organizations are departmental, honorary, professional, student government and service groups. Professional Interests and honorary organizations not only provide professional contacts with other students but also give members practical understanding of their chosen fields. For further information about student organizations, students are advised to contact the Office of Graduate Studies, individual departments, and/or the Office of Student Activities.

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 assembling themselves of the delayed billing option must familiarize themselves with the due dates, as published. Note: Failure to receive the notice stating that your bill has been received 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 103 Eppley Administration Building. Application for financial aid is subject to availability of funds. Students who later change their financial aid status may be subject to late payment penalties. Students whose financial aid applications are not approved may be subject to late payment penalties.

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 registered for a credit audit that endsStudents who later change their financial aid status may be subject to late payment penalties. Students whose financial aid applications are not approved may be subject to late payment penalties.

Laboratory/Special Instructional Fees:

<table>
<thead>
<tr>
<th>Course Section</th>
<th>Laboratory/Special Instructional Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 1020 Laboratory Fee</td>
<td>$20.00</td>
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<tr>
<td>Biology Laboratory Fee</td>
<td>$50.00</td>
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<tr>
<td>Chemistry Laboratory Fee</td>
<td>$30.00</td>
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<tr>
<td>Communication 3110 Laboratory Fee</td>
<td>$15.00</td>
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<tr>
<td>Electronics Laboratory Fee</td>
<td>$30.00</td>
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<tr>
<td>English Laboratory Fee</td>
<td>$10.00</td>
</tr>
<tr>
<td>Foreign Language: All 2050 Courses</td>
<td>$30.00</td>
</tr>
<tr>
<td>French Laboratory Fee</td>
<td>$20.00</td>
</tr>
<tr>
<td>Foreign Language: All courses</td>
<td>$30.00</td>
</tr>
<tr>
<td>Geography Laboratory Fee</td>
<td>$25.00</td>
</tr>
<tr>
<td>Geography 1020 Field Trip</td>
<td>$5.00</td>
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<tr>
<td>Geography 1070, 3100 Field Trip</td>
<td>$5.00</td>
</tr>
<tr>
<td>Geology 1020, 2800 Field Trip</td>
<td>$10.00</td>
</tr>
<tr>
<td>Instructional Technology Core</td>
<td>$15.00</td>
</tr>
<tr>
<td>Math 131, 132</td>
<td>$5.00</td>
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<tr>
<td>Microcomputer Laboratory Fee</td>
<td>$10.00</td>
</tr>
<tr>
<td>Music Equipment and Maintenance Fee</td>
<td>$15.00</td>
</tr>
<tr>
<td>Applied Music: Mandatory for enrollment in voice and all instrumental classes</td>
<td>$5.00</td>
</tr>
<tr>
<td>One semester credit hours</td>
<td>$5.00</td>
</tr>
<tr>
<td>Three semester credit hours</td>
<td>$10.00</td>
</tr>
<tr>
<td>Five semester credit hours</td>
<td>$15.00</td>
</tr>
<tr>
<td>Physics 1010, 1050, 1150, 1570, 1590, 3020, 3500, 3540, 3560, 3580, 3590, 3600, 3650 Laboratory Fee</td>
<td>$20.00</td>
</tr>
<tr>
<td>Preparation of Instructional Materials: All 4070, 4080</td>
<td>$5.00</td>
</tr>
<tr>
<td>Priming 3150, 4510, 4530, 4540 Laboratory Fee</td>
<td>$20.00</td>
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<tr>
<td>Psychology 1020, 1025A</td>
<td>$5.00</td>
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<tr>
<td>Psychology 2250</td>
<td>$5.00</td>
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<tr>
<td>Sculpture Laboratory Fee</td>
<td>$10.00</td>
</tr>
<tr>
<td>Special Education 4510, 4520, Basic Prroctum Laboratory Fee</td>
<td>$10.00</td>
</tr>
<tr>
<td>Vocational Education Education 1100, 1170, 1180, 1200</td>
<td>$10.00</td>
</tr>
</tbody>
</table>
| Other laboratory/special instructional fees must be charged as authorized by the University. Please refer to the semester class schedule to determine which of the above fees are related to specific courses. Conference, non-credit and off-campus course fees are determined for each offering based upon the cost factors and peculiar circumstances involved.
University Program and Facilities Fee (UPFF)-Undergraduate or Graduate
All students, undergraduate or graduate, (full or part time) per semester ........................................... $ 49.00
The UPFF receipts are divided into two separate funds: Fund-A Student Fees and Fund-B Student Fees. Fund-A Student Fees are established and allocated by the elected Student Government subject to the approval of the Chancellor of the University of Nebraska at Omaha in accordance with Board of Regents policy. Fund-A Student Fees are refundable upon request in accordance with guidelines and procedures established and published by the Vice Chancellor for Educational and Student Services. Students requesting and receiving a Fund-A refund will no longer be entitled to the student activities supported by Fund-A Student Fees.

The Fund of the UPFF is designated for services, staff salaries, maintenance of facilities and related expense, and those additional items designated by the Chancellor. This portion is budgeted separately with emphasis upon continuing support. The Vice Chancellor for Educational and Student Services submits the projections to the Chancellor, who in turn submits the projections to the University of Nebraska at Omaha Board of Regents for final approval.

Nebraska State Student Association (NSSA) Fee:
NSSA Fee (Fall- or Part-time) per semester ................................................................. $ 50
The NSSA fee receipts are for membership of UNO students who belong to the Nebraska State Student Association. The continuation of the fee is reconsidered each year. This fee is assessed to every student and is refundable each Fall and Spring Semester.

Special Service Fees:
Transcripts of Academic Record—First copy ................................................................. $ 3.00
Additional copies—Same order ......................................................................................... $ 1.00
Transfer—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) ....................................... $ 20
Graduation Fee .................................................................................................................. $ 3.00
Degree in Absentia (payable in addition to Graduation Fee) ........................................... $ 2.00
Returned Check—per check ............................................................................................. $ 8.00
Unhonored checks given in payment for tuition and fees must be redeposited in cash prior to the date for late registration, otherwise the late registration fee will be added in addition to the returned check fee. If a check which was issued for payment of the minimum registration deposit or payment of a past due account is returned unpaid by the drawer bank and full restitution is not made within ten (10) days, check writing privileges shall be suspended, current semester tuition and fees shall become due in full and the individual shall be recommended for immediate disenrollment.

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 Vacation 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 Vacation Bulletin if picked up in the Office.
Optional Services
Vacation Bulletin Mailing Fee
3rd class mailing ............................................................................................................... $16.00
1st class mailing ................................................................................................................ $28.00
Vacation Bulletins may be mailed to your home address. Bulletin is published bi-weekly from October through December, weekly from January through August.
Extra Credential Fee (over initial ten sets) ........................................................................ $2.50
Extra sets (each) ................................................................................................................ $ 1.00
Late Fees and Penalties
Late Registration (day or evening classes) ................................................................. $10.00
Late Payment of Tuition Billing ...................................................................................... $20.00
Reinstatement of Cancelled Registration .......................................................................... $10.00
Replacement of ID/Activity Card .................................................................................... $ 5.00
Deposits
Drop (per key with authorization/refundable) ................................................................ $ 5.00
ROTC Uniform Deposit—Refundable ............................................................................... $15.00
Regular Semester

UNIVERSITY OF NEBRASKA AT OMAHA

Lockers Deposit—Refundable ......................................................................................... $ 7.50
HPER Building lockers, lock and towel services are available to students and Campus Recreation Activity Card holders (Faculty/Staff). To renew lockers for the next semester or reissue deposit, students paying by HPER 100 by the end of the semester or summer session. Required of students taking HPER service classes, if HPER are also required for Faculty/Staff and students using Field House facilities.

Chemistry Laboratory Deposit—Refundable ....................................................................... $10.00

Testing Fees:
Credit by Examination, College-Level Examination Program (CLEP) ................................ $40.00
Credit by Examination, per course (departmental) ......................................................... $15.00
Comprehensive Tests ........................................................................................................ $25.00
Graduate Management Admission Test (GMAT) ............................................................. $ 8.00
Graduate Record Examination (GRE) ................................................................................ $25.00
Law School Admission Test (LSAT) ................................................................................ $ 90.00
Miller Analogies Test (MAT) ............................................................................................ $25.00
Test of English as a Foreign Language (TOEFL) ............................................................... $27.00

*Plus 50 percent of resident tuition for earned credit.
**Additional fee for LDSAS

Refund Schedule (Tuition):
Refunds are computed from the date application is received by the Registrar, NOT from the date of withdrawal from classes.

Students paying tuition fees in advance and enrolling for classes for which they are granted by the University, who withdraw before the account is paid in full are not relieved from payment of the balance due. Refunds will be applied to unpaid balances, and any remaining must be paid. Failure to do so may prohibit registration for future academic semesters.

Refunds for withdrawals are figured from the official beginning of the semester as stated in the University’s academic calendar, not from the beginning of students’ individual class schedules. Refunds will be made by University Warrant.

Regular Semester

UNIVERSITY OF NEBRASKA AT OMAHA

Percent

Before first official day of semester 100% 0% 0%
First week of classes 100% 0% 0%
Second week of classes 75% 25% 0%
Third week of classes 50% 50% 0%
Fourth week of classes 25% 75% 0%
Fifth week of classes 0% 100% 0%
Summer Sessions (5 and 6 Week)

Before first official day of semester 100% 0% 0%
First three days of classes 100% 0% 0%
Reminder of first week 50% 50% 0%
Second week of classes 25% 75% 0%
Third week of classes 0% 100% 0%
Summer Evening and Special Contract (7 and 8 Week)

Before first official day of semester 100% 0% 0%
First three days of classes 100% 0% 0%
Reminder of first week 75% 25% 0%
Second week of classes 50% 50% 0%
Third week of classes 25% 75% 0%
Fourth week of classes 0% 100% 0%
Non-Credit and Special Courses (10 Weeks or More)

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

As a member of the Mid-America State Universities Association, the University of Nebraska at Omaha participates in the MASUA Traveling Scholar Program. The Traveling Scholar Program is designed to provide breadth and depth in the opportunities for graduate study offered at MASUA universities by permitting advanced graduate students to study at another MASUA university where they may enter 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 advisor will approve the request for participation after ensuring that the student has met residency requirements. The application should be submitted to the University of Nebraska at Omaha Graduate Studies and Research Office, Eppley Building, Room 204, no later than March 1 for consideration.

FINANCIAL AID FOR GRADUATE STUDENTS

Presidental 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 full-time on the completion of their dissertation. Applicants must meet the regular admission requirements and be in good academic standing. Information about criteria, nomination procedures and selection procedures are available at the Graduate Studies Office, Eppley Building, Room 204.

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 practical experiences for advanced educational experiences at the graduate level. Interested students should make inquiry in their department/area about the availability of Assistantships and the procedures for applying. The application and supporting credentials should be on file in the departmental office by March 1 for consideration. Master's level students must have a 3.0 GPA on their undergraduate degrees, and doctoral students must have a 3.5 GPA on their master's degrees. A Graduate Assistantship entitles the holder to tuition remission and a stipend for the duration of the appointment.

A Graduate Assistantship for a graduate assistantship in this department is intended as an award to students who have demonstrated high expectations in their field of study and are capable of performing the duties associated with the appointment. The student will not be eligible for an Assistantship thereafter until fully reinstated in a graduate degree program. The Graduate Assistantship position will be reviewed annually to determine if either graduate classwork or assistantship duties are carried out in a satisfactory manner.

I. Recruitment and Selection of Graduate Assistantships

Each graduate department or other departmental unit as appropriate, which awards Graduate Assistantships, shall establish its own procedures for recruitment and selection in accordance with University policy on affirmative action/equal opportunity. Assistantships are not automatically renewable or dependent upon upon the work and classroom performance of the Graduate Assistant. The Director of Graduate Studies and Research is reminded that, whether or not outside work commitments are involved, graduate assistantships may not be renewed if either graduate classwork or assistantship duties are not carried out in a satisfactory manner.

V. Withdrawal

The work load for a Graduate Assistant should average twenty hours per week for the duration of the appointment and shall be consistent with the equivalent of .33 FTE. The department in which the Graduate Assistant is employed shall make arrangements with the University's Academic Affairs Office for the Graduate Assistant to be released from his or her obligations during normal vacation periods. The Director of Graduate Studies and Research is reminded that, whether or not outside work commitments are involved, graduate assistantships may not be renewed if either graduate classwork or assistantship duties are not carried out in a satisfactory manner.

VI. Length of Appointments

Assistantships may be awarded on an academic year basis, a semester basis, or a summer session basis. No student may hold an Assistantship for more than four semesters (excluding summer sessions) unless recommended by the Graduate Program Committee of the department or college. Assistantships may not be renewed if either graduate classwork or assistantship duties are not carried out in a satisfactory manner.

XII. Deletion and Redistribution of Graduate Assistantships

To ensure efficiency and equity, the University of Nebraska at Omaha will ensure that all graduate assistantships are reviewed annually to determine if Assistantships are no longer necessary or if other job titles are available. Assistantships may therefore be deleted for the following reasons: (1) teaching courses, sections or laboratories, (2) grading academic performance, (3) financial aid, (4) research, (5) clerical duties, (6) work experience, (7) teaching, (8) research, (9) other duties which involve a direct knowledge and application of knowledge related to the student's field of study.

Policy Governing Graduate Assistantships

Academic Standards

The Graduate Assistantship is intended as an award to students who have demonstrated high expectations in their field of study. Upon completion of the graduate program, the student will be eligible for both academic and professional recognition.
Recommendation. Women graduate students and seniors may apply for a Graduate Assistantship to assist in the Office of Graduate Studies. Tuition is due on May 1, and applications will be considered until funds are exhausted.

**PhD, DMA, DMin, and some MA students**

Graduate students with a GPA of 3.5 or higher are eligible for Research Assistantships. The application deadline is May 1, and financial aid is available. To apply, contact the Office of Graduate Studies.

**Fellowships and Grants**

The Office of Graduate Studies offers several fellowships and grants, including the Graduate Fellowship Program. The application deadline is May 1, and recipients are notified by June 1.

**Financial Aid**

Graduate students may apply for Federal Direct Student Loan (NDSL), Guaranteed Student Loan, and a variety of other loans. Financial aid is available from the Office of Financial Aid. To apply, contact the Office of Financial Aid.

**Counseling Services**

Counseling services are available for personal, academic, and career-related concerns. Students can schedule appointments with counselors at the Counseling Center. The Center also offers workshops and seminars on various topics.

**Testing Center**

The Testing Center offers multiple testing services, including placement tests, degree examinations, and other professional exams. Students can schedule appointments through the Office of Student Services.

**Career Services**

Career Services offers workshops, seminars, and individual counseling sessions. Students can schedule appointments with counselors to discuss their career goals and employment opportunities.

**Student Employment**

UNO students can apply for part-time and full-time positions on campus and off-campus. The Office of Student Services provides information on available positions and application procedures.

**Summer Jobs Fair**

A Summer Jobs Fair is held annually to help students find summer employment. The fair includes information sessions, workshops, and individual counseling sessions. Students are encouraged to attend and explore potential job opportunities.

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**Notes:**

1. **Graduate Assistants**
   - Must maintain a GPA of 3.5 or higher.
   - Responsibilities include teaching, advising, and research.

2. **Fellowships and Grants**
   - Available for PhD, DMA, DMin, and some MA students.
   - Application deadline: May 1.

3. **Financial Aid**
   - Available through Federal Direct Student Loan (NDSL), Guaranteed Student Loan, and other loans.
   - Application deadline: May 1.

4. **Counseling Services**
   - Personal, academic, and career-related counseling services.
   - Appointments available through the Counseling Center.

5. **Testing Center**
   - Offers multiple testing services.
   - Appointments available through the Office of Student Services.

6. **Career Services**
   - Workshops, seminars, and individual counseling sessions.
   - Appointments available through Career Services.

7. **Summer Jobs Fair**
   - Helps students find summer employment.
   - Information sessions, workshops, and individual counseling.
   - Encourages attendance for job seekers.
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 in which the language of instruction is not English. A student may request that classes be taught in English, or that classes be taught by a teacher who has a good understanding of English. A student may also request that classes be taught in a taped or written format. A student may also request that classes be taught by a teacher who has a good understanding of English.

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

Learning Center: The Learning Center offers a variety of academic support designs to aid all students in their studies. The Center includes study skills workshops and seminars, supplemental review sessions, and utilizes computer assisted instruction. 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.

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 accidental injuries with referral when necessary. Preventive health measures are a primary concern and include blood pressure checks, vision and hearing tests, breast cultures for possible strep infection, a tuberculin skin testing program, vision and hearing tests, breast cultures for possible strep infection, a tuberculin skin testing program, and for the Summer Sessions.

Student Health Insurance: All UNO students carrying 6 or more hours have the option of contacting for accident and sickness insurance through a group plan made available by the University with a co-payment of the employee reduced premium. If you are not protected for accident and sickness under a policy held by your parents, or that you have purchased privately, you are encouraged to participate in this or some other health care plan. A brochure describing coverage and benefits is available from the Health Center. Coverage for injury and sickness not due to University negligence is a function of this special program.

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 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 37. All applicants must file an Application for Admission to graduate studies at UNO. An Application for Admission must be filed not only by those students desiring to work for a degree or certificate, but also by those students desiring to work for a degree or certificate. For professional graduate credit to be transferred to some other university, the student must have received an official Certificate of Completion from UNO. All programs of study must be completed in order to receive the degree.

Admission to graduate studies at UNO, must have been admitted to graduate studies at another university. Under no circumstances will they be duplicated, returned to the applicant or forwarded to any agency or 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:

- Fall Semester: July 15
- Spring Semester: December 15
- Second Summer Session: June 15

The above deadlines are the minimum requirements for all programs. Some programs have earlier deadlines. For example, students in the MBA program are admitted only three times a year and applicants must have and for the Fall Semester.

Students in the Counseling and Guidance programs are admitted only twice each year and applicants must complete all requirements for admission by April 15 for the Fall Semester and by November 15 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 nurture is not English must submit evidence of a TOEFL score of 550 or more and at least a 6 on the writing section. A summary of the procedures for admission to graduate studies at UNO can be found on page 37. All applicants must file an Application for Admission to graduate studies at UNO. An Application for Admission must be filed not only by those students desiring to work for a degree or certificate, but also by those students desiring to work for a degree or certificate. For professional graduate credit to be transferred to some other university, the student must have received an official Certificate of Completion from UNO. All programs of study must be completed in order to receive the degree.

Admission to graduate studies at UNO, must have been admitted to graduate studies at another university. Under no circumstances will they be duplicated, returned to the applicant or forwarded to any agency or institution.

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- Fall Semester: July 15
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Students in the Counseling and Guidance programs are admitted only twice each year and applicants must complete all requirements for admission by April 15 for the Fall Semester and by November 15 for the Spring Semester.

Categories of Admission to Graduate Studies

1. To a Degree Program
   A. Unconditional Admission
      Unconditional admission to graduate studies may be granted to an applicant who satisfies all the following conditions:

I. Temporarily Admitted

When unexpected circumstances prejudice processing applications for Unconditional, Provisional, or Unclassified admission, the Dean for Graduate Studies and Research may issue a Temporary Admission. A student enrolling under temporary admission must complete the first eight weeks of the semester before submitting all admission-related materials required by the cognizant department or program. Admission materials may include transcripts of all graduate and undergraduate work, one of which must show an earned baccalaureate degree or the equivalent, or a statement from the graduate office of another institution that the student is seeking admission to a graduate level degree program (at the institution). Students who fail to furnish such materials will be disenrolled by the Dean for Graduate Studies and Research from all graduate courses at the end of the eight-week period, and will not be permitted to attend classes beyond that date. Students seeking admission to a degree program must realize that even if all admission materials are presented, the Graduate Program Committee evaluating the materials may deny admission to the program if it occurs, a determination of eligibility will be made as to whether the student may continue graduate studies in the Unclassified status or will be disenrolled from all graduate courses.

II. Graduates from Other Campus of the University of Nebraska

Students who have been admitted to graduate studies at another campus of the University of Nebraska may register for graduate courses at UNO by using an Intras Campus Registration Form. Copies of the form and information on its use can be obtained from the Office of Graduate Studies at any campus.

REQUIRED APTITUDE OR ADVANCED KNOWLEDGE TESTS

The scores on nationally recognized aptitude or advanced knowledge tests are used by each Graduate Program Committee to evaluate 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 departmental approval: for this purpose, the Graduate Record Examination (GRE), the Graduate Management Admission Test (GMAT) and the Miller Analogy 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. Applicants are required to take all designated tests submitted prior to admission; the applicant should consult the appropriate degree section description in this Graduate Catalog and contact the department/area about such requirements. Even when the scores are not used in the admission process, the UNO Graduate Faculty requires that every student admitted to a degree program submit the scores on the designated tests 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 Graduate Test Center. Information on test locations, registration forms and testing dates are available from the Test Center, or from the Office of Graduate Studies. A fee is charged and advanced registration is required. Scores may be submitted at the discretion of the University of Nebraska-Lincoln Graduate Faculty. Applicants for the Master of Business Administration or for the Master of Professional Accounting programs should verify that the scores are 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 departmental 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. In lieu of the Graduate Record Examination, prior to admission. Some other departments/areas accept the GMAT in lieu of the general aptitude portions of the GRE.

Miller Analogy Test

With department/area approval, graduate students in a number of programs may take the Miller Analogy Test in lieu of the Graduate Record Examination general aptitude portions. 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, at the UNO Testing Center at frequent intervals.

READEMISSION TO GRADUATE STUDIES

Anyone who has previously been enrolled as a graduate student at UNO, but who has not been in continuous enrollment, must be readmitted to graduate studies before again registering for classes. Such readmission is subject to approval by the department/area and then by the Dean for Graduate Studies and Research. In order to be readmitted, the students must complete a new Application for Admission form indicating the department/area to which they were last admitted, changes of program and/or category of admission, and fulfill all other requirements for readmission. Students are advised to complete the re-admission 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 registration requirements for registration are listed each semester in the "Graduate Class Schedule," which is available by the Office of the Registrar.

ADMISSION TO CANDIDACY FOR THE DEGREE

Eligibility

Eligibility for admission to candidacy for the degree is established when all the following conditions are met:
1. An official transcript showing the receipt of an appropriate baccalaureate degree is on file in the Office of Graduate Studies.
2. The scores on all required aptitude or advanced knowledge tests are on file in the Office of Graduate Studies and Research.
3. A minimum of six hours of graduate courses to be included in the plan of study have been completed and the courses are included in the plan of study.
4. With no grade lower than a "C," a "B" average has been earned on all completed course work.
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 adviser, and submitted to the Office of Graduate Studies. The completed application, or a copy, together with all required supporting documents, is submitted to the Department and/or Area Graduate Program Committee. When the application and all required departmental/area signatures have been received, the application should be forwarded to the Graduate College.

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 constituent graduate departments. The following guidelines shall aid students and advisers to construct a plan of study.

1. At least one-half the hours of non-thesis work on a plan of study should be in courses which are restricted to graduate students only (K-0 or K-0-1).
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 work.
3. The scores on all required aptitude or advanced knowledge tests are restricted to an accredited institution other than a unit of the University of Nebraska when the transition is supported by the Dean for Graduate Studies and Research. Final approval of the plan should be made by the Dean of Graduate Studies and Research. At other policies regarding graduate programs will apply.
4.瓜D and Master's degrees, 810, 8170 and 8180 may not be used on a plan of study.
5. The thesis option is not available.
6. The thesis should be initiated no later than six months before the anticipated date of graduation. The thesis should be completed no later than one year after the anticipated date of graduation.

Guidelines for Establishing Thesis Equivalent Projects

Thesis-like projects are of the same caliber of scholarly work as a thesis. The student will research, develop and analyze a topic approved by the Supervisory Committee. Departments desiring to use the thesis equivalent category must apply to the Graduate Council for approval. The following guidelines are to insure that these projects are of the same caliber, equivalent to theses in scope, evaluation and process.

1. The work on the project should commence at least eight months prior to the anticipated date of graduation.
2. The project should be assigned a total of six hours of graduate credit on the approved plan of study.
3. The process for development and approval of the project must include all of the following:
   a. an application for approval by the supervisory committee;
   b. a proposal to be approved by the supervisory committee;
   c. an approval form.
TRANFER 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. Transfer of graduate credit from a course taken with a pass/fail option must be recommended by the cognate Graduate Program Committee, supported by a written evaluation from the source university and approved by the Dean for Graduate Studies and Research. All work accepted for transfer of credit must have been completed prior to 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: Up to 1/2 of the course work required for a graduate degree may be transferred from another University. Final approval is made by the cognate Graduate Program Committee and the Dean for Graduate Studies and Research. All other policies regarding graduate programs will apply.

INCOMPLETES

Purpose

The grade "Incompletes" ("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, is unable to complete the requirements of the course in the time period in which the student is registered for credit. "Incompletes" should be given only if the student has substantially completed the major requirements of the course. Each instructor must judge each situation as to whether an "I" is appropriate. In most cases an incomplete for those courses excluded from the one semester requirement, otherwise, it revert to the grade of "F".

Removal

Instructors must indicate by a departmental record, with a copy to the student, the means and the deadline by which an "I" is to be removed and, if they are at the University of Nebraska at the time of removal, they must supervise the make-up work and report the permanent grade. In the event that the instructor is no longer employed by the University of Nebraska at the time of the student's application for removal of an "I", the department head or departmental advisor shall remove the supplemmental record and turn in the permanent grade for the student to the cognate Graduate Program Committee. Final approval is made by the Dean for Graduate Studies and Research.

Two or more "I" grades (excluding thesis or research courses) will result in a stop enrollment for any new courses; the stop enrollment will remain in effect until the record shows no more than one "I" grade.

TIME LIMIT FOR GRADUATE DEGREES

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

If students wish to use an outdated course in a plan of study, they have two options: (1) retake the course, or (2) obtain written permission to update the course from the department involved, the cognizant Graduate Program Committee and the Dean for Graduate Studies and Research. Updating can usually be done by taking a special examination or the current semester's final examination in the course. The grade of the examination must be filed with the Office of Graduate Studies and must be a grade of 'B' or higher; otherwise the student shall be required to retake the course or to substitute another course in the plan of study. In some graduate programs some special exceptions are made with approval of the Graduate Council. Consult with the Graduate Program Committee.

**OTHER POLICIES**

**Auditing Courses Offered for Graduate Credit**

In order to audit courses for graduate credit, students must be admitted to graduate studies. Permission of the adviser and approval of the instructor is required. Students registered for credit may change to audit registration during the first eleven weeks of the semester on recommendation of the adviser and approval of the instructor.

**Change of Graduate Degree Program**

Students who wish to change their graduate degree programs should obtain the appropriate forms from the Office of Graduate Studies; procedures are explained on the form. The change degree programs.

**Course Loads for Graduate Students**

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

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

**Courses Offered for Graduate Credit**

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

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

3-8-5 (e.g., 311008115) or 4-8-6

Courses with these numbers are open to both undergraduate and graduate students. Only 5-8 and 8-6 receive graduate credit, it is expected that students enrolled for graduate credit will do work at a higher level than that which is expected of undergraduate students in the same course. Some seniors, with special permission, may enroll for graduate credit in such courses; see “Admission to Graduate Studies at UNO - Special Permission to Register for Graduate Credit”.

8-0 or 9-

Courses with these numbers are open to graduate students only.

**Credit/No Credit Option for Courses Offered for Graduate Credit**

The UNO Graduate Faculty does not, in general, allow the Credit/No Credit option for courses offered for graduate credit. However, each Graduate Program Committee shall have the right to designate courses such as practice, independent studies or research courses on which this option could apply. In such a case, the student must be informed of the availability of this option on the catalog page where the course is listed.

The grade of “Credit” is meant to mean the equivalent of a grade of ‘B’ or higher and is not calculated in the grade point averages.

**Dropping Courses**

Students can drop courses after the date identified in the academic calendar for that semester. Exceptions may be made when there are extenuating circumstances. Students requesting an exception must obtain the instructor's permission, and in progress was at the 'B' level or higher. Approval of the request must be obtained from the Office of Administrative Services and Research prior to the instructor's permission to drop is submitted to the Office of the Registrar. Any refund of fees will be held in the Registrar's Office and published in the class schedule. Failure to withdraw according to this procedure may cause forfeiture of refund and in appropriate posting of grades.

**Withdrawal from All Courses**

To officially withdraw from all classes and thereby from the University, and to receive any refund due as well as appropriate posting of academic standing for the grading period in question, graduate students must do so prior to the drop date. In order to do so, students must obtain the signatures of the adviser and the UNO Dean for Graduate Studies and Research prior to submitting the withdrawal form to the Office of the Registrar. Any refund of fees will be posted in the Office of the Registrar.

**GENERAL APPEAL PROCEDURES FOR ACADEMIC MATTERS CONCERNING GRADUATE STUDENTS**

**Appeal of General Academic Matters Related to Student Programs**

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

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

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

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

C. When a student's graduate program consists of registrations at one campus, the Graduate Council of that campus administratively responsible for the program will constitute the appeal board. When a student's graduate program consists of registrations at a campus other than the one administratively responsible for the program, three members of the Graduate Council for the other campus will be designated by the Dean for Graduate Studies on that campus to augment the Graduate Council on the campus administratively responsible for the program. In this case, the augmented Council will constitute the appeal board. Then decision concerning augmentation of a campus Graduate Council for a specific appeal involving registrations on a campus other than the one administratively responsible for the student's program will be made by the Deans for Graduate Studies on the campuses involved.

D. In all cases, appeals should be made in writing to the appropriate adviser, committee, or council. In those cases where the appeal concerns graduate-level qualifying exams, comprehensive exams or final oral exams, the following students.
to make reasonable efforts to ascertain the results of the examination within thirty days after its completion. The initiation of the appeal, in writing, by the student must be filed within thirty days following the student's receipt of notification of the evaluation.

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

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

a. That the campus Graduate Council has violated some element of its procedure (example: has failed to allow the parties concerned to present their cases fully to their campus Graduate Council);

b. That the campus Graduate Council has failed to examine or give adequate weight to competent evidence relevant to one party's position;

c. That the campus Graduate Council has given undue weight to evidence not pertinent to the case; or

d. That some gross miscarriage of justice would be perpetrated if the decision of the campus Graduate Council is allowed to stand.

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

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

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

4. The decision of the Committee on the merits of the case 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

BILOGY

PROFESSORS: Bragg, deGraw, Egan, Lunt, Sutherland
ASSOCIATE PROFESSORS: Fawcett, French, Geller, Hayhome, Ingham, Moshier, O'Dell
ASSISTANT PROFESSORS: Antlfinger, Engelmann, 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 5 of these 23 cr. hrs. 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 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 6 cr. hrs. of Graduate Seminar (8010), 2-6 cr. hrs. in Independent Research in Biology (8020), and other appropriate courses to be determined by the student and his/her graduate advisory committee. At least 18 cr. hrs. of the total 36 cr. hrs. required for the degree will be taken at the 8000-level. Graduate students are expected to attend the Graduate Seminar (8010) even when not registered for it. The candidate must pass a final written comprehensive examination.

Master of Public Administration — Environmental Option

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

3230/8235 Microtechnique (3) A course in the techniques of fixation, dehydration, staining, clearing 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 the internal structure of leaf plants.
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
4120/8126 Problems in Ecosystem Management (3) A critical study in the application and evaluation of methods used for managing natural and managed ecosystems. Prereq: Graduate standing in Biology and permission of the instructor. Biology 3340, 8350 recommended.

4130/8136 Experimental Biology (3) An independent study in which the student will complete selected laboratory projects. Prereq: Biology 18130, 3340 or concurrent enrollment. Grad. standing. 4130, 8136.

4140/8146 Cellular Biology (3) This course is a comparative study of the structure and function of plant and animal cells. Prereq: Biology 1450, 1750, or organic chemistry, or permission of the instructor.

4180/8186 Limnology (4) A study of the physio- logical, chemical, and biological events necessary to establish and maintain plant and animal communities in freshwater environments. Prereq: Biology 1450, 1750, and organic chemistry.

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

4220/8226 Population Biology (4) An examination of topics in population ecology and population dynamics including selection on specific species and groups, mating systems, life history characteristics, and regulation of populations and population interactions. Outside research project required. Prereq: Biology 2140 and 3340 or permission of instructor. Graduate standing.

4230/8236 Evolutionary Biology (3) A study of organic evolution in terms of evidences which support, modify, and the mechanisms of the process. Prereq: Biology 2140. Lecture and laboratory.

4240/8245 Analysis and Design of Biological Research (3) This course examines the statistical design of the laboratory and field experiments in Biology. Basic statistical methods are reviewed and advanced methods presented. Emphasis on interpreting data, including multivariate analysis. Statistical com- puter programs will be used. Prereq: Biol 181-182, Latin square and split plot designs are introduced. Prerequisite(s): Stat 308/6002 or equivalent, permission of instructor.

4270/8276 Animal Behavior (3) Behavior of diverse animals for the understanding of the relationship between various integrations and the behavior manifested by the organism, as well as the development and adaption of various signals of behavior as a functional unit. Prereq: Biology 1570 and Psychology 1010 or permission of the instructor. Lecture only. (Same as Psychology, 4270/8276. 4280/8286 Animal Behavior Laboratory (1) Laboratory and field studies of animal behavior.

4300/8306 Microcomputers in Biology (2) A lecture/demonstration/survey of microcomputer applications in biology and ecology. Prereq: Three hours of a college level computer course or written permission of instructor. Grad. standing.

4320/8326 Microcomputers in Biology Laboratory (2) An independent study in which the student will complete selected microcomputer projects. Prereq: Biology 18130 or concurrent enrollment or permission of instructor. Grad. standing. 4320, 8326.

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

4350/8356 Morphology of Non-Vascular Plants (3) Structural, reproductive, ecological, and evolutionary aspects of non-vascular plant groups including protocysts, algae, fungi, lichens and bacteria. Prereq: Biology 1450 or 1750. Grad. Standing.

4380/8386 Morphology of Non-Vascular Plants Laboratory (3) A survey of living and fossil vascular plants including the evolution and adaptive significance of their forms. Prereq: Biology 1450 or 1750 and organic chemistry, or permission of instructor.

4390/8396 Evolutionary and Systematic Zoology (4) A study of the principles of development of multicellular life including interrelationships of interactions at the biochemical, cellular, and tissue levels will be included. Prereq: Biology 450 and Bio- logy 1750. 4390, 8396.

4400/8406 Herpetology (4) The biology of amphibians and reptiles, including their evolution, classification, anatomy, physiology, ecology, distribution and identification with emphasis on North American groups. Prereq: Biology 1750.

4450/8456 Developmental Biology (4) A study of the development of multicellular life forms with emphasis on the morphogenetic mechanisms involved in vertebrate development. Prereq: Biology 3340.

4470/8476 Endocrinology (4) A survey of in- dicator endocrine systems with emphasis on the mechanisms of hormone action, Prereq: Organic chemistry, vertebrate anatomy and physiology or permission of the instruc- tor.

4480/8486 Animal Physiology (4) A compre- hensive study of the system function emphasizing mechanisms of regulation and control. Prereq: Biology 1750, vertebrate anatomy, organic chemis- try, or permission of instructor. 4480, 8486.


4560/8566 Invertebrate Zoology (4) A comprehensive study of the invertebrate animals. Prereq: Biology 450.

4600/8606 Neurobiology (4) The biology of the nervous system, including the function, structure, and communication of the nervous system. Prereq: Biology 3340.

4650/8656 Neurophysiology (4) A study of the nervous system, including the function, structure, and communication of the nervous system. Prereq: Biology 3340.

4840/8846 Herpetology (4) A study of the biology of amphibians and reptiles, including their evolution, classification, anatomy, physiology, ecology, distribution and identification with emphasis on North American groups. Prereq: Biology 1750.

4850/8856 Developmental Biology (4) A study of the development of multicellular life forms with emphasis on the morphogenetic mechanisms involved in vertebrate development. Prereq: Biology 3340.

4900/8906Ornithology (4) A study of the general biology of birds, their classification, morphology, behavior, ecology, classification and identification with emphasis on North American groups. Prereq: Biology 1750.

8010 Seminar in Biology (1) A study of current research problems. Divisions of biochemistry, 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 faculty member. May be taken more than once for credit, up to 4 credits for M.A. degree candidates, up to 6 credits for M.S. degree candidates. Prereq: Graduate standing and written permission of graduate faculty supervisor.

8170 Advanced Topics in Biology (1-3) Lecture and/or laboratory courses for graduate students designed to provide exposure to biological specialties not offered in the regular curriculum. Prereq: Graduate standing and permission of instructor.

8180 Bioecosystematics (3) A study of principles of experimental and plant biostatistics. The course will focus on the species problem and upon the experimental investigation of the problem. Prereq: Graduate standing and written permission of the instructor.

8190 Community and Ecosystems (3) An introduction to communities and ecosystems. May require overnight trips. Prereq: Biology 3340, 8345, permission of instructor, graduate standing in biology.

8200 Plant Ecology (4) Advanced study of plant communities and of individual plant species including relationships with the environment and vegetative dynamics. Emphasis on methods of evaluation and analysis. May require field trips. Offered fall semester. Prereq: Biology 3340, 8345, permission of instructor, graduate standing in biology. Biol 3340, 8345 recommended.

8300 Environmental Physiology (3) A detailed study of selected dynamic environments with emphasis on mechanisms of physiologic adaptation by organisms. Prereq: General Zoology, growth and metabolism, animal biochemistry, animal physiology, or permission of the instructor. Graduate standing.

8500 Scanning Electron Microscopy (3) Theory and use of the scanning electron microscope with special attention to its application in biological problems. Prereq: Biology 3340, 8345, permission of instructor. Graduate standing.

8990 Thesis (1-6) An original and independent research project written under the supervision of
The MBA is a professional graduate degree designed to provide an intense educational experience for students who desire to assume positions of increasing responsibility in business.

Courses in the program give the students an understanding of the principles of management, marketing and finance and a proficiency in the use of accounting, computers, statistics, and quantitative methods as tools for analysis of business activities. 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 admittance will be granted simply because the indicated points have been achieved.
- Students are advised to complete the foundation courses at the undergraduate level.
- The GMAT score must not be below 450 in computing the above total.
- There is no guarantee admittance will be granted simply because the indicated points have been achieved.

THE Master of Business Administration Degree

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

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


8110 Survey of Accounting (3) The uses of accounting for purposes of control and decisions in business, industry, government, and not-for-profit enterprises. This course cannot be used on a plan of study. Prerequisites: ACC 4010. Offered Fall Semester.

8170 Quantitative and Statistical Methods for Business Decisions (3) Elementary concepts in probability and statistics which provide a basis for understanding the behavior of random variables and making decisions under conditions of uncertainty. Prerequisites: MATH 1230 and MATH 1240. Offered Winter Semester.

8400 Financial Management (3) An applied approach to the management of financial resources in businesses, government, and not-for-profit organizations. Prerequisites: ECON 2020 or equivalent. Offered Fall Semester.

8500 Financial Analysis (3) An applied approach to the management of financial resources in businesses, government, and not-for-profit organizations. Prerequisites: ECON 2020 or equivalent. Offered Fall Semester.

8510 Security Analysis (3) An introduction to security analysis and portfolio management. Prerequisites: ECON 2020 or equivalent. Offered Fall Semester.

Business Administration 45
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, UNL. Requirements for the Master's Degree will be as stated in the Graduate Studies Bulletin. Upon admission by the Graduate College, UNL, student records will be maintained on the UNO campus.

Graduate Committee: The Graduate Committee has a Graduate Committee of six faculty, selected from the Omaha and Lincoln campuses, appointed by the Department Chairperson and approved by the Graduate Dean, UNL. The Graduate Committee will have general supervision over the work of the candidates for the Master's Degree. The committee may prescribe such tests as it deems necessary to determine whether an applicant is adequately prepared for graduate study. After all application materials are received by the Graduate College, the chairperson of the committee will be notified to make a recommendation, after consultation with the committee, on admission to the Graduate College.

Admissions to Candidacy
Options for the Master's Degree
Examinations
Graduate Work. Graduate work in Civil Engineering is governed by the general requirements of the Graduate College. Each program is subject to approval of the students' advisor and the departmental Graduate Committee.

A student applying for admission should designate the primary area in which he wishes to study. Major work for the Master of Science degree may be taken from within the Civil Engineering area or from other related departments. Other supporting 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, Carter, Cowdin, Francke, Rolly, Warrensted
ASSOCIATE PROFESSORS: Carlson, Williamson
ASSISTANT PROFESSORS: Fos, Jehannin, Pinboll, Sheren

Master of Arts

The Communication Master's program has admission requirements and procedures in addition to those applicable to Graduate Students as a whole. Prospective students are strongly encouraged to contact the Department regarding these admission requirements and procedures.

Unconditional admission may be granted to a student whose record includes at least the following:
(1) an undergraduate degree from a regionally accredited institution; (2) a minimum overall grade point average of 3.25 (4.00) at the undergraduate level; (3) a minimum grade point average of 3.00 in at least 6 semester hours of graduate work in Communication. Alternatively, an applicant may have completed the following requirements: (a) a 3.25 (4.00) overall grade point average and (b) either a 2.75 (4.00) overall grade point average or a 3.00 grade point average in the last 6 semester hours of undergraduate work. 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 stated above — but in no case more than 6 semester hours of deficiencies will be allowed to remove them before applying for any type of advanced degree.

In every case of provisional admission for any reason other than (1) lacking admission test (MAT or GRE) scores, and/or (2) six or fewer 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 committee in the Communication Department. If granted provisional admission with this special approval, the student must complete Communication 3470 or 8570 or 8510 during the first enrollment period when either of these three courses 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 may require any one or any combination of the following:

1. Completion of course work — not for graduate credit — with a grade of B or higher
2. Written documentation of satisfactory performance from persons who are in a position to evaluate the applicant's potential for graduate study.
3. Pass such test(s) as these 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 4510, 4511, 4791, and 4792.
THE STUDENT'S PLAN OF STUDY MUST BE APPROVED BY THE COMMITTEE AND MAY INCLUDE PROVISIONS FOR MINOR OR NON-THESIS OPTIONS.

THESIS OPTION

Successful completion of 24 semester hours of coursework, plus a thesis (6 credit hours) based on a proposal approved by the student's committee, followed by more than nine hours from outside the department may be counted toward requirements for the degree. The thesis is defended orally before the committee. The student also takes a written comprehensive examination, covering his or her major emphasis and minor or area studies.

NON-THESIS OPTION

Successful completion of 36 semester hours of coursework, including at least 18 hours of which must be in courses only open to graduate students. No more than 12 hours from outside the department may be counted toward requirements 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, film, or other creative work, making use of communication covering the student's major emphasis and minor or area studies.

COMMUNICATION

8016 History of Mass Communication (3) The American mass media from 17th Century origins to present, with emphasis on mass communication and its effects on literature, intellectual, social and political history, and its relationships to current social issues. Prereqs: Graduate standing and major/minor in Communication or instructor's permission.

8116 Rhetorical Theory and Criticism (3) Theoretical and critical writings on the development of modern communication, from the Roman Republic to the contemporary age. Prereqs: Graduate standing and major/minor in Communication or instructor's permission.

8346 Communication (3) The study of communication in society. Prereq: Graduate standing and major/minor in Communication or permission of instructor.

48 DEGREE REQUIREMENTS

8246 Public Relations Case Studies (3) An analysis of current case studies and emphasis on case development and presentation. Prereqs: Graduate standing and major/minor in Communication or permission of instructor.

8236 Public Relations (3) An examination of public relations techniques and case studies. Prereqs: Graduate standing and major/minor in Communication or permission of instructor.

8200 Topical Seminar in Communication (3) A variable content course dealing with a specific topic of national or international concern. Prereqs: Graduate standing and major/minor in Communication or permission of instructor.

8740 Foundations Seminar: Transactional Communication (3) This seminar will be designed for students preparing to take the major, minor or advanced seminars in Communication. University of human symbolic processing (e.g., deictic, pointing, distancing, and generalizing) will be explored extensively and intensively. Prerequisites: current major or in the major or minor or advanced seminars in Communication. Prereqs: Graduate standing and major/minor in Communication or instructor's permission.

8500 Seminar in Communication Theory (3) Analysis of current case studies to the study of communication, with emphasis on theoretical models and their application to various professional interests. Prereq: Communication 9470 or the instructor's permission.

8570 Foundations Seminar: Mass Communication (3) This seminar will be designed for students preparing to take the major, minor or advanced seminars in Communication. Communication system in the United States will be examined in terms of basic philosophical and legal assumptions, and the current political, social, cultural, and psychological theories relating to the process of mass communication. Prereqs: 9470 or the instructor's permission.

8990 Thesis (1-6) A variable content course dealing with research methods, communication theory, professional writing, and the preparation and theses. Prereqs: Permission of instructor.

8180 Topics in Organizational Communication (3) A variable content course dealing with organizational communication. Each offering will treat a single aspect of organizational communication, including media, interpersonal, and group communication. Prereqs: Graduate standing and major/minor in Communication or instructor's permission.

8156 Media and Society (3) An overview of media and society in the United States. Prereqs: 8116 or graduate standing.

8546 Contemporary Systems of Communication (3) A critical examination of the structure of the mass media and its influence on society. Prereqs: Graduate standing and major/minor in Communication or permission of instructor.

8556 Nonverbal Communication (3) A study of non-verbal communication in face-to-face, small group, and mass media settings. Prereqs: Graduate standing and major/minor in Communication or permission of instructor.

8625 Forecasting (3) To provide students planning to teach speech in high school with practical experience and knowledge of the teaching field. Prereq: Communication 1120 or permission.

8596/8596 Seminar in Mass Communication (3) A seminar for students preparing to take the major, minor or advanced seminars in Communication. University of human symbolic processing (e.g., deictic, pointing, distancing, and generalizing) will be explored extensively and intensively. Prerequisites: current major or in the major or minor or advanced seminars in Communication. Prereqs: Graduate standing and major/minor in Communication or instructor's permission.

5800 Topics in Organizational Communication (3) An examination of current case studies to the study of communication, with emphasis on theoretical models and their application to various professional interests. Prereq: Communication 9470 or the instructor's permission.
contact the Department regarding these admission requirements and procedures. One such exception from the general Graduate Studies procedures are different admission 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 those indicated, they may discuss this with the faculty of the department.

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

Major points where students are evaluated with respect to their suitability for continuation in the program are 1) admission to candidacy and 2) prior to taking the Counseling Practicum or Internship courses. Successful completion of a Counseling Practicum or Internship is a requirement for graduation.

Students obtain a Master's degree in Counseling and Guidance with an area of specialization. Current specializations include Elementary School Counseling, Secondary School Counseling (both of which require current teaching certificates for endorsement as a Counselor in Nebraska or Iowa), Agency Counseling, College Student Personnel Services, and Counseling in Gerontology.

Non-Counseling degree students may obtain an elective option in Effective Humanization Processes. This consists of a 12 hour block of courses which must be authorized by the Graduate Program Committee and the student's advisor for this to be officially included as part of the student's degree program.

Undergraduate students interested in Non-School Counseling, (Gerontology and College Student Personnel) work are advised to examine the recommended pre-counseling program described in the Arts and Sciences section of the Undergraduate Catalog.

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 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 8000 Principles of Guidance | 3 hours |
| COUN 8030 Counseling Practices | 3 hours |
| COUN 8270 Group Techniques | 3 hours |
| COUN 8280 Counseling Theories | 1-3 hours |
| COUN 8300 Counseling Techniques I | 1 hour |
| COUN 8310 Counseling Techniques II | 1 hour |
| COUN 8320 Counseling Methods | 3 hours |
| COUN 8340 Intermittent Practicum | 3 hours |
| COUN 8350 Advanced Practicum | 4 hours |
| COUN 8360 Internship | 6 hours |
| COUN 8290 Community Involvement for Urban Counselors | 3 hours |
| III. Electives | 5-9 hours |

The elective courses are selected in consultation with advisor and in accordance with the student's particular background and interests. Students may elect to work with special populations in special settings. Usual Total Hours: 41-44 hours.

Master of Science

Specialization in Secondary Counseling

| I. Foundation Course | TED 8010 Introduction to Research | 3 hours |
| II. Required Counseling Courses | | |
| COUN 8260 Vocational Decision Making | 3 hours |
| COUN 8280 Principles of Guidance | 3 hours |
| COUN 8300 Counseling Theories | 3 hours |
| COUN 8310 Counseling Techniques I | 1 hour |
| COUN 8320 Counseling Techniques II | 1 hour |
| COUN 8330 Organization & Administration of Guidance Services | 3 hours |
| COUN 8350 Advanced Practicum | 3 hours |
| COUN 8360 Practicum | 3 hours |
| III. Electives | 5-9 hours |

The elective courses are selected in consultation with advisor and in accordance with the student's particular background and interests. Students may elect to work with special populations in special settings. Usual Total Hours: 41-44 hours.

COUNSELING AND SPECIAL EDUCATION

Master of Science

Specialization in Elementary Counseling

| I. Foundation Course | TED 8010 Introduction to Research | 3 hours |
| II. Required Counseling Courses | | |
| COUN 8010 Principles of Guidance | 3 hours |
| COUN 8020 Counseling Theories | 3 hours |
| COUN 8030 Counseling Techniques I | 1 hour |
| COUN 8040 Counseling Techniques II | 1 hour |
| COUN 8050 Vocational Decision Making | 3 hours |
| COUN 8290 Advanced Practicum | 3 hours |
| COUN 8230 Appraisal Techniques | 3 hours |
| III. Electives | 6-12 hours |

The elective courses are selected in consultation with advisor and in accordance with the student's particular background and interests. Students may elect to work with special populations in special settings. Total: 39 hours.

Master of Science

Specialization in College Student Personnel Work

| I. Foundation Course | TED 8010 Introduction to Research | 3 hours |
| II. Required Counseling Courses (25-27) | | |
| COUN 8150 The Student & Personnel Work in Higher Education | 3 hours |
| COUN 8200 Counseling Theories | 3 hours |
| COUN 8300 Counseling Techniques | 3 hours |
| COUN 8320 Counseling Methods | 1 hour |
| COUN 8340 Group Techniques | 3 hours |
| COUN 8350 Advanced Practicum | 3 hours |
| COUN 8360 Internship | 6 hours |
| COUN 8290 Community Involvement for Urban Counselors | 3 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, students with special needs, etc.), housing, and student union activities. Total: 38-44 hours.

Master of Science

Counseling with Specialization in Gerontology

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

| I. Foundation Course | TED 8010 Introduction to Research | 3 hours |
| II. Required Counseling Courses | | |
| COUN 8250 Advanced Practicum | 3 hours |
| COUN 8270 Group Techniques | 3 hours |
| COUN 8290 Counseling Techniques | 3 hours |
| COUN 8300 Counseling Practices | 3 hours |
| COUN 8310 Counseling Techniques I | 1 hour |
| COUN 8320 Counseling Techniques II | 1 hour |
| COUN 8330 Organization & Administration of Guidance Services | 3 hours |
| COUN 8340 Appraisal Techniques | 3 hours |
| COUN 8350 Advanced Practicum | 3 hours |
| COUN 8360 Internship | 6 hours |
| COUN 8350 Community Involvement for Urban Counselors | 3 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, students with special needs, etc.), housing, and student union activities. Total: 38-44 hours.
Special Education Programs

Master of Arts degree

IV. Gerontology

Ill. Additional Courses in Counseling selected with advisor on the basis of student's background and interests.

IV. Gerontology

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 for consideration before applications are evaluated and processed to the Graduate College. A raw score of 35 on the MAT is required for initial entrance into the program.

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

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

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

   SPED 8990 Thesis (6 hours)
   SPED 8520 Advanced Clinical Practicum in Speech Pathology (schools)
   SPED 8510 Advanced Clinical Practicum in Speech Pathology (externship)
   SPED 8480 Advanced Audiology
   SPED 8460 Diagnostic Methods in Communication Disorders
   SPED 8490 Advanced Audiology
   SPED 8539 Seminar in Speech Pathology
   SPED 8990 Thesis (6 hrs.)

   I. Required Courses:

   a. Students may choose any of the courses in the area numbered 8000 or above, contingent upon advisor approval.

   b. Students must present a thesis representing six semester hours of work and which is deemed satisfactory to the members of the committee. Following oral examination, which will include questions of a comprehensive nature over the curriculum as well as the thesis.

   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. The usual total hours are 48 hours.
DEGREE REQUIREMENTS

SPED 8396 Hearing Science ........................................... 3 hrs.
SPED 8500 Special Projects .......................................... 3 hrs.
TED 8010 Introduction to Research .................................. 3 hrs.
SPED 8700 Seminar in Special Education .......................... 3 hrs.
SPED 8720 Basic Student Teaching .................................. 3 hrs.
SPED 8725 Advanced Student Teaching ............................. 3 hrs.

Minimum of 38 hours required. Competency in simultaneous communication is required before the student teaching experience is initiated. Comprehensive examination or thesis option is required.

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. Any student seeking an endorsement must complete all certification requirements in addition to the six thesis hours. 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. demonstrate an interest in conducting research in mental retardation after an interview with the advisor, and
4. maintain at least a "B" in each course of the first twelve hours of coursework.

Course Requirements

Students shall complete the following coursework:

SPED 8010 Introduction to Research .................................. 3 hrs.
SPED 8100 Psychology of Exceptional Children ...................... 3 hrs.
SPED 8600 Classroom Management ................................. 3 hrs.
SPED 8990 Thesis .................................................... 6 hrs.

The remaining courses will be selected in consultation with the advisor. Students may take all of their coursework in mental retardation and related courses or may take 15 to 18 hours in mental retardation and 4 to 6 hours in a minor area of interest.

Master of Science: Teaching the Mentally Retarded

The Master of Science Degree with a major in Teaching the Mentally Retarded provides opportunities for students who wish to develop and expand their competencies in teaching mentally retarded children and youth. Upon successful completion of the Master of Science degree, the student will be recommended for the State of Nebraska certification in mildly, moderately, and severely multi-handicapped teaching. These certification programs are for kindergarten through 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. hold a Bachelor's degree with teaching certification in one or more teaching areas or complete the necessary deficiencies to hold certification;
4. have completed a minimum of six semester hours of coursework in special education, 12 hours, curriculum development - 3 hours, psychology of exceptional children - 3 hours, and psychology of exceptional children - 3 hours, and
5. maintain at least a "B" in each course of the first twelve hours of coursework.

Course Requirements:

TED 8010 Introduction to Research .................................. 3 hrs.
SPED 8230 Normal Language Development and Disorders for Teachers 3 hrs.
SPED 8236 Normal Language Development and Disorders for Teachers 3 hrs.
SPED 8245 Bilingual/Bicultural Language Development and Curriculum 3 hrs.
SPED 8600 Introduction to Mental Retardation ...................... 3 hrs.
SPED 8606 Methods and Materials in Special Education ............. 3 hrs.
SPED 8608 Methods and Materials in Special Education ............. 3 hrs.
SPED 8716 Theory of Assessment and Diagnosis of Learning Disabilities 3 hrs.
SPED 8800 Theory of Assessment and Diagnosis of Learning Disabilities 3 hrs.
SPED 8806 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8808 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8809 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8810 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8815 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8816 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8817 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8818 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8819 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.
SPED 8820 Practicum in Teaching the Emotionally Disturbed ...... 3 hrs.

COUNSELING AND SPECIAL EDUCATION

SPED 8600 Developing Vocational Training Programs for the Severely Handicapped 3 hrs.
SPED 8716 Interactions Between Professionals and Families of the Handicapped 3 hrs.
SPED 8806 Parent Education for the Handicapped 3 hrs.
SPED 8816 Classroom Techniques for Behavior Control 3 hrs.
SPED 8820 Theories of Learning Disabilities 3 hrs.
SPED 8890 Theory of Assessment and Diagnosis of Learning Disabilities 3 hrs.

Master of Science: Resource Teaching and Learning Disabilities

Resource teaching and learning disabilities is a specialized training program designed to prepare the graduate student to identify, diagnose, analyze and treat children who have specific learning disabilities within a multidisciplinary team approach setting. The student should enter the program with a
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 endorsements in grades preschool through high school offered by the State of Nebraska. The student in the major option will sit for comprehensive examinations or workshops, advanced student teaching and the school internship. 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 major's program during their thesis defense. Three to seven hours must be completed for the Master of Science degree. Students electing a resource teaching and learning disabilities thesis option will complete a forty (40) hour program by taking SPED 8990. Theses for than equivalent electives.

Admittance and Retention Requirements
To be admitted and retained in the program the student must:
1. be admitted to the University of Nebraska College of Graduate Studies;
2. take the Miller Analogies Test within the first nine hours of coursework;
3. hold a bachelor's degree with a valid teaching certificate or a state education agency or complete the deficiencies in preparation for teaching;
4. meet with the advisor for an interview before the first semester of coursework;
5. show evidence of successful completion of courses which are related to child development – 3 hours credit for learning theory – 3 hours, curriculum development – 3 hours and student methods courses – 3 hours and student teaching for equivalent) – 3 hours; and
6. maintain at least a "B" in each course of the first twelve hours of coursework.

Course Requirements
The course requirements are:

**SPED 5110 -** Introduction to Research

- **SPED 8656 -** Career Development for the Handicapped

- **SPED 8606 -** Emotional Development of Children

- **SPED 8840 -** Psychological Studies of Exceptional Children

- **SPED 8865 -** Career Development for the Handicapped

- **SPED 9806 -** Emotional Development of Children and Youth

- **SPED 3730 -** Advanced Student Teaching

- **SPED 8970 -** Clinical Teaching in Learning Disabilities

- **SPED 9806 -** School Practicum in Resource Teaching

- **SPED 3720 -** Advanced Diagnostic of Learning Deficits (Prerequisite SPED 8910)

- **SPED 8970 -** Clinical Teaching in Learning Disabilities

- **SPED 8950 -** Thesis (the thesis option only) - 6 hours

- **SPED 8950 -** Elective (non-thesis option only) - 3 hours

*Students must have practicum experience at a level other than their current certification. If a student teaches at the secondary level then the Advanced Student Teaching Internship in Learning Disabilities Program, Meyer Children's Rehabilitation Institute, UNMC must be completed with grade level children.

The thesis will be completed for six hours of credit, making the program 40 hours.

Counseling and Guidance

4070/4700 Crisis Intervention and Suicide Counseling: A course which combines the application of crisis intervention theory to the most extreme behavioral responses of all cases, suicide, along with an overview of the current community approaches directed toward resolution of such crises as structural developmental/transactional, and natural.

4220/8226 Vocational Decision Making (3)
This course is designed to acquaint students in the profession of teaching school counseling with the specifics relevant to human development in vocational choices. Preven: 4220 Jr. or Sr. Standing 8656 Career Development for the Handicapped (3) Curriculum oriented for teachers and related professionals to work with the career development of handicapped individuals. Includes school levels. Cross listed with SPED 4650/4856.

4500/8756 Mid-life, Career Change, Preretirement Planning (3) This course is designed to help students in the exploration of the developmental tasks of mid-life, myths and realities related to career change as well as the implications of preretirement planning. It includes as model examination and evaluation are presented in the field. This course is mandatory in a course for twenty-eight credits and has a credit value for those entering the advanced studies major.

8200/8010 Guidance Skills for Educators (3) Course designed to familiarize educators with guidance activities of schools, the educator's role in those activities, and to develop appropriate guidance and learning skills. No credit for guidance majors. Preven: Senior or Graduate.

4980/8986 Counseling Skills in Gerontology (3) This course is intended to help develop basic counseling skills for application in gerontology.

5000 Special Studies in Counseling and Guidance (1-6) Intensive courses scheduled as regular seminars or workshops, according to prior permission.

4010 Teaching Models in Affective Education (3) A study of models of teaching in the affective areas of education: A variety of models will be explored with special emphasis on planning and implementing activities in classroom situations. Preven: ELED 4360 or EDUC 4580 or permission of instructor.

5020 Principles of Guidance (3) The introductory course for students majoring in Counseling and Guidance. A study of the basic principles underlying Counseling and Guidance. Students will begin career skill development in the course. It will be taken concurrently with COUN 5030, Counseling Practices, Preven: Admission to the Counseling and Guidance major. Preven: COUN 5030 and Special Education Department or by permission.

5030 Counseling Practices (3) This is a pre-practicum course in counseling majors. Course is designed to develop basic counseling skills. Permission to admission to counseling program or permission.

8100 Research Project in Counseling and Guidance (1-6) Major group study and analysis of specific problems/issues in the field. Preven: TED 8070 and permission of the instructor.

8120 Counseling With Parents (3) A course for counseling professionals working with families, includes an intensive study of family therapy.

56 DEGREE REQUIREMENTS

COUNSELING AND SPECIAL EDUCATION

8150 The Student and Student Personnel Work in Higher Education (3) An overview of the characteristics of college student as they interact with campus environmental influences. The impact of student personnel workers on campus environments is considered as it affects personality growth, social development and career planning by college students. Preven: TED 8110.

8190 Research Project in Counseling and Guidance (1-6) An intensive study of a topic in the area of counseling and guidance. Preven: Permission of department.

8200 Counseling Theories and Techniques (3) Study of contemporary theories of counseling, the counseling process and methods, and the acquisition of skills related to specific counseling techniques. Preven: COUN 8290 and concurrent enrollment in COUN 8300 and COUN 8310.


8220 Counseling Practicum (3) Supervised experimental training in counseling. Preven: Twenty hours in counseling including COUN 8300 and COUN 8320.

8220 Counseling Practicum (3) Supervised experimental training in counseling. Preven: Twenty hours in counseling including COUN 8300 and COUN 8320.

8220 Counseling Practicum (3) Supervised experimental training in counseling. Preven: Twenty hours in counseling including COUN 8300 and COUN 8320.

8230 Appraisal Techniques in Counseling and Guidance (3) Appraisal Techniques in Counseling and Guidance discusses the theory of individual appraisal, the major technical considerations governing assessments and a survey of measurement devices in the cognitive and affective domains. The course will include uses and implications of nonstandardized assessment devices. Additionally, this course will cover the responsible use and interpretation of ability, aptitude, interest, personality, and career development measures. Prereq: COUN 8310 or COUN 8510 or TED 1010. Preven: Permission of department.

8230 Appraisal Techniques in Counseling and Guidance (3) Appraisal Techniques in Counseling and Guidance discusses the theory of individual appraisal, the major technical considerations governing assessments and a survey of measurement devices in the cognitive and affective domains. The course will include uses and implications of nonstandardized assessment devices. Additionally, this course will cover the responsible use and interpretation of ability, aptitude, interest, personality, and career development measures. Prereq: COUN 8310 or COUN 8510 or TED 1010. Preven: Permission of department.


8260 Internship (1-6) Field experience in an approved guidance program under the supervision of a qualified counselor and a guidance professor of the college. Prereq: COUN 8290 and permission of department.

8270 Group Techniques in Guidance (1) Lecture and laboratory study of group counseling, including the group process, group dynamics, and group leadership. Prereq: COUN 8290. Permission of department.

8280 Counseling Older Adults and Their Families (2) A study of issues related to the counseling of older adults and their families. Same as GER 8280. Preven: COUN 8290 or permission of instructor.
I counseling tagged mission to Counseling and Guidance. Criminal 8300 Counseling Techniques 8330 Elementary School Counseling Practicum (4) Counseling in the elementary setting under the supervision of a counseling professor. This course includes a 300-hour practicum. PreReq: COUN 8320 and permission of department.

8350 Elementary Counseling Internship (6) Field experience in an elementary counseling program under the supervision of a counseling professor and appropriate in school personnel. PreReq: COUN 8320 and permission of department.

8370 Group Counseling Theory and Practice (3) A course designed primarily for professionals in the group counseling process. PreReq: 8200, 8207.

8400 Counseling Techniques III (3) This course is designed to assist students in developing a more systematic integration of previously learned information, skills, and the application of these skills to specific counseling situations. A prerequisite for Counseling Practicum. PreReq: COUN 8300 Counseling Techniques I, COUN 8310 Counseling Techniques II.

8400 Counseling Techniques I (6) Field experience in an elementary counseling program under the supervision of a counseling professor and appropriate in school personnel. This course includes a 300-hour practicum. PreReq: COUN 8320 and permission of department.

8400 Counseling Techniques II (6) Field experience in an elementary counseling program under the supervision of a counseling professor and appropriate in school personnel. This course includes a 300-hour practicum. PreReq: COUN 8320 and permission of department.

8600 Parent Education (3) A study of several existing Parent Education programs. Undergraduate students will participate in a tutoring role in elementary schools. Pre Req: Junior standing in special education, PSY 1010 or PSY 2450, CORE 2100, 2500, 2800 or equivalent.

4200/8206 The History, Psychology and Sociology of Deafness (3) This is an introductory course for the Deaf counselor. The course will explore Deaf culture, history, and psychology. PreReq: Admission to a graduate curriculum in Deaf studies.

8310 Introduction to Marital and Family Therapy (3) This course is designed to acquaint students with the philosophy, history, and techniques of marital and family counseling. Students will learn about the development of the field of family therapy and the evolution of the marital and family therapy movement. Pre Req: Grade of C or better in 8310.

8960 Directed Readings in Counseling and Gerontology (1-3) A study of recent and current issues in counseling and gerontology. Pre Req: Permission of instructor.

9900 Thesis (1-6) Independent research project written under the supervision of an adviser. PreReq: Permission.

9200 Independent Study in Counseling Theories and Techniques (1-3) Guided study of counseling theories and techniques under supervision of faculty member. Pre Req: COUN 8200 - Counseling Theories or permission of instructor.

Special Education

8026 Using Microcomputer Software in Special Education (3) This course will provide an overview of special education. Special education students. Students will learn about and to use software to assist them in providing appropriate services to students. They will be taught to evaluate software in the area of special education. Pre Req: Permission.


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


13000 Developmental Language and Disorders for Teachers (3) An investigation of specific learning disorders in children. Assumed knowledge: reading, writing, and arithmetic. Course will explore the nature, causes, and management of specific learning disorders. Pre Req: Permission.

13000 Developmental Language and Disorders for Teachers (3) An investigation of specific learning disorders in children. Assumed knowledge: reading, writing, and arithmetic. Course will explore the nature, causes, and management of specific learning disorders. Pre Req: Permission.
COUNSELING AND SPECIAL EDUCATION

DEGREE REQUIREMENTS

Courses for students with an "interdisciplinary" experience for clinical practice are listed with a student cooperating with a licensed clinician serving children in a teaching setting. A minimum of 120 clock hours of work is required.

SPED 8410. Advanced Clinical Practicum in Speech Disorders (Hospitals and Rehabilitation Centers) (3) The second semester course in advanced clinical practicum. The student is placed in an "externship" setting, working with a cooperating clinician serving a hospital or rehabilitation center. A minimum of 120 clock hours of work is required.

SPED 8440. Advanced Clinical Practicum in Speech Disorders (Voice and Rhythm) (3) A course in identifying the voice characteristics of children with speech disorders. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8450. Advanced Clinical Practicum in Speech Disorders (Voice) (3) A course in identifying the voice characteristics of children with speech disorders. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8520. Advanced Clinical Practicum in Speech Disorders (Voice) (3) A course in identifying the voice characteristics of children with speech disorders. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8610. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8620. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8630. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8640. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8650. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8660. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8670. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8680. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.

SPED 8690. Teaching Severely / Profoundly Handicapped Children (3) A course in teaching severely/profoundly handicapped children. This course is designed to provide experience in working with severely/profoundly handicapped children. The course content includes special emphasis on speech disorders, procedures for the identification of the problem, and the development of intervention techniques.
CRIMINAL JUSTICE

PROFESSORS: Siegel, Walker

ASSOCIATE PROFESSORS: Eschridge, Hoffman, Holbert, Horney, Marshall, Potter, Wakefield, Webb

Degree Programs

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

Admission Requirements for the Criminal Justice Graduate Program

All candidates must have a minimum of 18 semester hours of Criminal Justice or related courses which represent the core undergraduate curriculum. In addition, all candidates must have completed a prior statistics course, a research methods course, and a seminar course. The application deadline is April 15th. In the event the student is not admitted, the student may be accepted provisionally to the program.

Master of Arts

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

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

Required Core Courses* 9 hours
8030 Professions in Criminal Justice
8031 The Nature of Crime
8032 Seminar in Administration of Justice
8033 Criminal Justice Research Theory and Methodology

Elective Criminal Justice Courses

Student selects five (5) courses with advisor approval
8030 Seminar in Police and Society
8035 Seminar in Corrections
8036 Seminar in the Criminal Court System
8037 Seminar in Criminal Justice Research
8038 Seminar in Juvenile Justice
8039 Seminar in Theoretical Criminology
8100 Criminal Justice Organization, Administration, and Management
8110 Criminal Justice Planning and Change
8120 Indemnity Law
8200 Special Problems in Criminal Justice
8216 Convictional Law
8316 Community Based Corrections
8390 Completion and Successful Defense of Thesis

*All courses, except 8030, carry three credit hours.

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 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 process who are designed for those who wish to work with juvenile and adult offenders in the criminal justice system.

To earn the Master of Science Degree in Criminal Justice, the student must satisfy all of the following course requirements:

Required Core Courses 9 hours
8030 Professions in Criminal Justice
8031 The Nature of Crime
8032 Seminar in Administration of Justice
8033 Criminal Justice Research Theory and Methodology

Elective Criminal Justice Courses

Student selects five (5) courses with advisor approval
15 hours

15 hours
Elective Cognate 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
8020 Professions in Criminal Justice
8030 Criminal Justice Research, Theory and Methodology
8070 Seminar in Criminal Law and Procedure
8080 Seminar in Theoretical Criminology
8100 Criminal Justice Organization, Administration, and Management
8110 Criminal Justice Planning and Change
8190 Independent Study
8200 Special Problems in Criminal Justice

Elective Criminal Justice Courses
(Required five (5) courses with advisor approval)
8090 Seminar in Police and Society
8095 Seminar in Corrections
8310 Seminar in Criminal Court System
8320 Seminar in Criminal Law and Procedure
8330 Seminar in Juvenile Justice
8340 Seminar in Theoretical Criminology
8350 Criminal Justice Organization, Administration, and Management
8360 Criminal Justice Planning and Change
8370 Independent Study
8380 Special Problems in Criminal Justice
8390 Correctional Law
8500 Community Based Corrections

Satisfactory completion of the comprehensive examination is also required.

Elective Criminal Justice Courses
6 hours
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 Group Counseling Theory and Practice
8376 Seminar in Intervention/Rehabilitation
8260 Counseling Theories

Elective Criminal Justice Courses
15 hours
(Required five (5) courses with advisor approval)
8080 Seminar in Police and Society
8090 Seminar in Corrections
8310 Seminar in Criminal Court System
8320 Seminar in Criminal Law and Procedure
8330 Seminar in Juvenile Justice
8340 Seminar in Theoretical Criminology
8350 Criminal Justice Organization, Administration, and Management
8360 Criminal Justice Planning and Change
8370 Independent Study
8380 Special Problems in Criminal Justice
8390 Correctional Law
8500 Community Based Corrections

Satisfactory completion of the comprehensive examination 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, prisoner's 'rights' in institutions and community-based corrections, procedures before the loss of offender 'rights' and restoration of civil rights will be examined. Prereq: None.

4320/8326 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 community-based strategies for dealing with the offender. Prereq: None.

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

8010 The Nature of Crime
(3) This course provides an overview of the major divisions of crime in the U.S. Content areas included are 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. Additionally, philosophical and practical matters pertaining to "justice" and "fairness" in the administration of the criminal law are explored.

8030 Criminal Justice Research Theory and Methodology
(3) Research theory and methodology in the social sciences as applicable to criminal justice; preparation of research designs, conceptual models, sampling procedures, and development of individual research papers. Prereq: Graduate standing and permission.

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

8050 Seminar in Corrections
(3) This course is designed to give an analytical perspective to the history, development, implementation, and future of critical issues in the field of corrections. Primary focus will be directed toward an exploration of the various theoretical approaches to corrections and the research intended to support or refute these perspectives. Prereq: Graduate standing and permission of instructor.

8060 Seminar in the Criminal Court System
(3) This course is designed to provide a social science perspective on the role of the courts in the criminal justice system. The ideals of the system will be compared with actual functioning, and court reform programs and proposals will be critically examined. Prereq: Graduate standing and permission of instructor.

8070 Seminar in Criminal Law and Procedure
(3) This course is designed to examine substantive criminal law as the basis of social control in our country. Contemporary issues such as the insanity defense, decriminalization of so-called victimless crimes, sexual assault and abortion, and current proposals to assist victims of crimes will be among the topics explored. It is designed to give an analytical perspective to the history, development, implementation, and future of critical issues in the field of corrections.
67 DRAMATIC REQUIREMENTS

be examined. Precept: Graduate standing and permission of instructor.

8050 Seminar in Juvenile Justice (3) An in-depth study of the etiology of crime as a social phenomenon and an objective analysis of the historical, theoretical, and psychological factors that influence the development of an accepted contemporary view of the subject. Credit up to 6 hours by the Graduate Program Committee and ideally should be made up in the first year of study. Precept: Graduate Standing and Permission.

8090 Seminar in Theoretic Criminology (3) An in-depth analysis of the etiology of crime as a social phenomenon and an objective analysis of the historical, theoretical, and psychological factors that influence the development of an accepted contemporary view of the subject. Credit up to 6 hours by the Graduate Program Committee and ideally should be made up in the first year of study. Precept: Graduate Standing and Permission.

1100 Criminal Justice Organization, Administration, and Management (3) This course is designed to introduce the student to the organization and administration of modern justice agencies. The student will be introduced to theories, controls, and issues relating to the administration and organization of justice agencies. Precept: Acceptance in the graduate college and permission of instructor.

8016-8026 Advanced Projects in Dramatic Arts (3) Special projects in dramatic arts supervised by graduate students in the arts. Credit can be taken for only one such project. Precept: Graduate Standing and Permission.

8990 Master's Thesis (1-6)

8016-8026 Advanced Projects in Dramatic Arts (3) Special projects in dramatic arts supervised by graduate students in the arts. Credit can be taken for only one such project. Precept: Graduate Standing and Permission.

8726 History of the Theatre Since 1642 (3) A historical survey of theatre and its literature from 1642 to the present.

8736 Seminar in Theatre History (3) Selected subjects in theatre history from ancient to modern times. This subject, the course, and its discussion will vary from year to year, according to the interest of the student and the instructor. Precept: Permission of the instructor.

8776 Contemporary People's Theatre (3) A critical study of graduate and professional theatre. This course takes place in a contemporary setting. Precept: Graduate standing and permission. Precept: Graduate Standing and Permission.

8836 Seminar in Dramatic Literature (3) A seminar for graduate and advanced undergraduate students who will explore selected subjects in dramatic literature in depth. Research papers and seminar reports will be required. The subject of the seminar will change from year to year, according to the interest of the student and the instructor. Precept: Permission of the instructor.

8430 Seminar in Play Direction (3) An in-depth study of the principles of play direction. Precept: Graduate standing and permission of instructor.

8650 Technical Theatre Problems (3) A seminar for graduate and advanced undergraduate students. This course will focus on such subjects as the history of theatrical design, lighting, scenic design, stage management, and theatre management. Precept: Graduate Standing and Permission.

8990 Dramatic Arts Research Methods (3) This course is designed to introduce graduate students in dramatic arts to basic techniques in research: gathering material, defining the problem, and preparing the manuscript. This course includes a dissertation seminar as part of the program. Admission to graduate program in Dramatic Arts.

8910 Dramatic Theory and Criticism (3) For advanced students of dramatic literature. In this course, the student will be exposed to the thought of contemporary dramatists and critics and, by reading, written work and oral presentations, develop an awareness of the techniques employed in the theatre. Precept: Graduate standing and permission of instructor.

8920 Seminar in Contemporary Theatre Aesthetics (3) Research and dialogue in the aesthetic theories and movements in the contemporary theatre. Emphasis on the sources, background, and configuration of theatrical styles

8716 History of the Theatre to 1642 (3) A historical survey of theatre and its literature from ancient to modern times.
ECONOMICS

PROFESSORS: Lee, Nelson, Sindt, Zahn
ASSOCIATE PROFESSORS: Corcoran, Diamond, Keho, Sosin, Turner

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, simulations, financial analysis, policy analysis, and related work. Admission is based on G.P.A., 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 (9 to 15 hours, depending on the specialization elected), and 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: 30.

Each student must complete the core requirements.

Core (15 hours)

ECON 8200, Macroeconomic Theory
ECON 8300, Quantitative Applications in Economics and Business*
ECON 8500, Research Methods
ECON 8600, Econometrics

*Not required for students demonstrating satisfactory mathematical skills. For those adding 3 courses to the core, 6 hours of interrelated graduate level coursework is required.

Suggested Specializations

I. Economic Theory .......................................................... 9 hours
ECON 8010 Seminar in Labor Economics
ECON 8426 Monetary Theory and Policy
ECON 8620 Seminar in International Economics

II. Energy and Regulatory Economics ........................................... 6 hours
ECON 8516 Energy Economics
ECON 8520 Environmental Economics
ECON 8326 Natural Resource Economics

III. Monetary and Financial Economics (select 4 courses) ................. 12 hours
ECON 8010 Public Finance
ECON 8426 Monetary Theory and Policy
ECON 8450 Seminar in Money and Banking
BA 8620 Banking and Financial Markets
BA 8666 State and Local Finance

IV. International Economics (select 3 courses) .......................... 9 hours
ECON 8600 Seminar in International Economics
ECON 8616 International Trade
ECON 8626 International Monetary Economics
ECON 8626 International Economic Development
POL SCI 8200 Seminar in International Politics

V. Urban Regional Economics (select 4 courses - 12 hours, 6 of which must be in Economics) .............. 12 hours
ECON 8850 Seminar in Urban Economics
ECON 8970 Seminar in Regional Economics
ECON 9990 Research in Urban/Regional Economics
GEO 8123 Urban Geography
HST 9430 American Urban History to 1970
HST 9440 American Urban History since 1970
SOC 8146 Urban Sociology

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

68 DEGREE REQUIREMENTS

8980 Final Project (1-3) Final project for Option II. Prereq: Admission to candidacy and the approval of the project proposal.

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

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 8200, Macroeconomic Theory
ECON 8300, Microeconomic Theory
ECON 8500, Quantitative Applications in Economics and Business*
ECON 8600, Econometrics

*Not required for students demonstrating satisfactory mathematical skills. For those adding 3 courses to the core, 6 hours of interrelated graduate level coursework is required.

Suggested Specializations

I. Real Estate and Land Use Economics ....................................... 18 hours
BA 8600, Real Estate and Land Use Economic Theory
BA 8610, Current Problems in Real Estate
BA 8990, Thesis**

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

Electives, include ECON 8990 Thesis .......................... 6 hours

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

4210/8216 Industrial Organization (3) An analysis of the structure and behavior of industries and their effect on economic performance. Involves detailed applications of micro-economic theories and concepts of a basis for public policy evaluation. Prereq: Econ 8010 and 8020 or permission of the instructor.

4300/8306 Quantitative Applications in Economics and Business (3) The study and application of modern quantitative techniques to problems of economics and business. Prereq: Econ 8010 and 8020 or D.S. 2120 or permission of instructor.

4320/8326 Natural Resource Economics (3) Energy, minerals, fisheries, water, land, pollution and conservation are among the topics. The course covers the basic theoretical framework for understanding the optimal rate of use, the factors which determine the actual rate of use, and some of the models which explain the problems of resource use. Implies the factors which determine the actual rate of use, and considers and evaluates various public policy prescriptions. Prereq: Econ 8010 and 8020 or permission of instructor.

4340/8346 Monetary Theory and Policy (3) This course traces the development of monetary theory from the classical theories to current monetary theories. Includes the classical theories of Keynes, the neo-Keynesians, and the rational expectations are examined and compared. Prereq: Econ 3200 or permission of the instructor.

4610/8616 International Trade (3) An analysis of the character of international economic relations. The major topics covered include the economic basis for international specialization and trade, the economic gains from trade, commercial policies, economic integration, and economic growth. Prereq: Econ 8010 and 8020 or permission.

4620/8626 International Monetary Economics ................. 6 hours

4860/8866 International Economic Development (3) Problems relating to the early stages of economic development, investment priorities, mobilizing savings and policies and programs are studied. Prereq: Econ 8010 and 8020 or permission of the instructor.

5010 Theory of Public Finance (3) This course is designed to develop the theoretical basis of modern tax and expenditure processes at the frontier of knowledge. Prereq: Econ 3200, 3220 and 3250 or permission of the instructor.

5050 Economic Education (3) A study and examination of economic principles and how they can be related to the teacher’s classroom presentation. This course is designed to furnish the public school teacher with sufficient knowledge and understanding to aid in the recognition of economic issues and to teach economic concepts and principles. Prereq: No previous course work in economics. Not open to Economics majors.

8100 Seminar in Labor Economics (3) A study and development of current problems and issues involving labor institutions, labor relations, wage theories and employment policies. Prereq: Econ 3350, 3320 and three hours of credit in undergraduate labor economics or permission.

8200 Seminar in Micro Theory (3) This course deals with the current state of microeconomic theory. The major topics covered are the theory of the firm, distribution theory, and welfare theory. Prereq: Econ 3200, 3220 and 3350 or permission.
of business. Economic analysis of the business firm and its environment, with emphasis on market structure, production possibilities, and cost factors. Additional consideration is given to the theory of the firm under conditions of uncertainty. Prereq: Graduating in the college of business administration.

8220 Seminar in Macroe Theory (3) This course traces the development of classical and neoclassical economic analysis of the business firm under conditions of uncertainty. Prereq: Econ 3020. Six hours to understand undergraduate monetary courses or permission of the instructor.

8650 Seminar in International Economics (3) An examination of the theoretical basis for the analysis of economic problems of a regional nature. In addition, policy alternatives, decision making, and measurement techniques are examined. Prereq. Econ 3650 or 4660, or permission of instructor.

8590 Seminar in Urban Economics (3) An examination of the theoretical basis for the analysis of urban economic problems with emphasis upon the policy alternatives available to resolve their possibly conflicting solution. (Also listed under geography and sociology.) Prereq. At least 6 hours of upper division course work in economics or permission of the instructor.

8870 Seminar in Regional Economics (3) An examination of the current developments and issues involving regional economic development and planning. These courses provide the theoretical bases for understanding and analyzing economic problems of a regional nature. In addition, policy alternatives, decision making, and measurement techniques are examined. Prereq. (Also listed under geography.) Prereq. At least 6 hours of upper division course work in economics or permission of the instructor.

8300 Economics (3) The study of the understanding of economic principles and techniques of single and multiple equation regression in analysis in economics. Prereq. Econ 8306 or 8520 or permission of instructor.

8310 Business Forecasting (3) This course includes a comprehensive survey of forecasting methods. Emphasis is placed on the depth study of selected techniques most commonly used in business environments. Emphasis will be placed on applications and therefore students will be required to develop forecasting models and test their performance as part of the course. Cross-listed with BA 8090. Prereq: BA 8080 or ECON 8300 or permission of instructor. 

8450 Seminar in Money and Banking (3) This course traces the development of classical and neoclassical monetary models and the working of the international monetary system. Prereq. Econ 3650 or 4660 or permission of instructor.

8850 Seminar in Urban Economics (3) An examination of the theoretical basis for the analysis of urban economic problems with emphasis upon the policy alternatives available to resolve their possibly conflicting solution. (Also listed under geography and sociology.) Prereq. At least 6 hours of upper division course work in economics or permission of the instructor.

8870 Seminar in Regional Economics (3) An examination of the current developments and issues involving regional economic development and planning. These courses provide the theoretical bases for understanding and analyzing economic problems of a regional nature. In addition, policy alternatives, decision making, and measurement techniques are examined. Prereq. (Also listed under geography.) Prereq. At least 6 hours of upper division course work in economics or permission of the instructor.

8860 Administration of The Instructional Materials Center (3) A course designed for students who wish to prepare for themselves for the administration of an educational media program within an elementary and/or secondary school. (Also LS 8860).

8800 Special Studies in Educational Administration and Supervision (3) Special studies courses especially designed for educational administrators and supervisors—scheduled as regular seminars or workshops, according to purpose.

8590 School-Community Relations (3) This program is designed to acquaint the student with all aspects of school-community relations. Students will be given an opportunity to research and study material, principles, techniques and practices in school-community relations.

8660 Administering School Discipline (3) Course will be an opportunity for students to develop increased awareness of the circumstances in the schools and professional skills relating to discipline and how discipline might be administered more successfully. Students will develop and implement discipline policies and procedures based on student needs. Prereq. Permission of graduate advisor.

8400 Practicum in Educational Administration and Supervision (3) Designed to provide guidance and instruction in elementary and/or secondary schools. Prereq: Completion of 24 hours of graduate study and approval of written application.

8410 Practicum in Educational Administration and Supervision (3) Continuation of Education 8400. Prereq. Continuation of 8400 and guidance of education, elementary or secondary school administration as the needs of the student. Prereq. 8400.

8460 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.

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8700 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.

8490 Theory and Practice of Supervision (3) An in-depth inquiry into the nature and function of supervision in the modern school. This course will incorporate the salient psychological, sociological, business administration and educational administration concepts of personnel and organizational development as they apply to educational systems. Prereq. EDAD 8350, EDAD 8900, or EDAD 9470.

8550 School Business Management (3) An analysis of the functions of business management: budgeting, fiscal accounting, auditing and reporting, management of personnel, purchasing and inventory, administration of personnel, and protection of property. Prereq. 8490.

8560 School Finance (3) A study of the relationship between the federal, state, and local responsibilities.

8400 Practicum in Educational Administration and Supervision (3) Designed to provide guidance of students in elementary and/or secondary school administration as the student needs. Prereq: Completion of 24 hours of graduate study and approval of written application.

8410 Practicum in Educational Administration and Supervision (3) Continuation of Education 8400. Prereq. Continuation of 8400 and guidance of education, elementary or secondary school administration as the needs of the student. Prereq. 8400.

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DEGREE REQUIREMENTS

8960 Seminar: Linguistics (3) A seminar in a selected sub-field or problem area of linguistics such as sociolinguistics, generative semantics, applied linguistics, descriptive linguistics, teaching English as a foreign language, etc. Prereq: English 4560/5589 and permission of the instructor.

8970 The American Novel (3) A critical and historical study of the work of twelve or more significant American writers of the nineteenth and twentieth centuries.

8986 The American Drama (3) A study of the American drama and its historical background, beginning with the earliest writing to the present day, with concentration on the drama of the twentieth century.

8988 Seminar: Introduction to Literacy Research (3) A survey of literacy research, history, and interpretation, with a primary emphasis on methods used in literacy research. Prereq: Graduate standing or permission of the chairman of the department of English.

8989 Seminar: Introduction to Literacy Research (3) A survey of literacy research, history, and interpretation, with a primary emphasis on methods used in literacy research. Prereq: Graduate standing or permission of the chairman of the department of English.

8990 Seminar: Literary Criticism (3) Literary criticism from the beginning to the present, with emphasis on the criticism of ancient Greece and Rome, the eighteenth and nineteenth centuries, and the American era. Prereq: Graduate standing or permission of the chairman of the department of English.

8990 Seminar: Literary Criticism (3) A study of selected writings in middle English. Prereq: Graduate standing or permission of the chairman of the department of English.

8990 Seminar: Middle English Literature (3) A study of selected writings in middle English. Prereq: Graduate standing or permission of the chairman of the department of English.

8990 Seminar: The Restoration and Eighteenth Century (3) A detailed study of selected English authors and works of the Restoration and the Eighteenth Century (1660-1800) Prereq: Graduate Standing or permission of the chairman of the department of English.

8990 Seminar: Victorian Literature (3) An intensive study of selected authors and works. Prereq: Graduate standing or permission by the chairman of the department of English.

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8990 Seminar: Topical Seminar in English (3) 8160/8166 Conservation of Natural Resources (3) Investigation of the morphological and architectural character of the American city as a cultural form. Emphasis is placed on the evolution of urban form and the urban context in which it is set. Prereq: Graduate Standing in Social Sciences.

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8510 Advanced Geomorphology (3 semester hours) The seminar is a literature course on the current concepts and literature in the field of land form studies. Discussion will emphasize classic ideas as well as the modern concepts of dynamic, quantitative geomorphology. Some study of quantified chronology will be necessary. Several optional Saturday field trips. Prereq: Geog 8250 or 8260. 3 hours 170 or 170T. Permission.

8580 Soils (3) An examination of the older geographical concepts of the distribution and morphology of soil and the new work concerned with soil forms on a regional, rather than zonal, basis. Prereq: Geog 8250 or 8260. 3 hours 170 or 170T. Permission.

8600 Independent Research (1-3) Advanced study in the form of a major research project. Studies are required to submit a written proposal and gain written approval of the supervising faculty member and Graduate Program Committee. In addition to a formal written report, the student is required to make an oral presentation of research results to General Seminar or a professional meeting. Prereq: 15 graduate hours in geography and permission.

8640 Remote Sensing: Advanced Concepts and Applications (3) Is designed for the graduate student who already owns or has access to remote sensing equipment. The emphasis of the course is on the correct selection and acquisition of data from remote sensing systems. The course is offered each year. 3 hours. Consent of the instructor required.

8650 Land Use (3) A field course designed to understand, by actual field investigation, land use patterns in urban areas through the comprehension of social, physical, and economic factors which tend to shape the land use patterns within the functional region receiving the major consideration. Prereq: Geog 4106 or 4108.

8670 Cartographic Methods (3) Teaches effective map layout and the latest cartographic techniques, leading to a high level of competence in the design and interpretation of maps.

8800 Internship in Environmental/Regional Planning (1-6) Independent internship with local planning agencies enabling students to gain knowledge and experience in comprehensive regional or environmental planning. Prereq: Permission and 12 hours graduate credit in geography.

8810 Seminar in Metropolitan Planning (3) A seminar course which emphasizes the planning process and current problems encountered by metropolitan agencies. Prereq. Permission. (Same as Econ 8810 and P.A. 8810.)

8830/8840 Interdisciplinary Seminar On The Urban Community (1-6) An interdisciplinary course on the metropolitan community in which various departmental and college offerings concerned with urban problems are put on broad integrated basis. Prereq: Undergraduate major in one of the social sciences plus 6 hours of gradu­ate work in one of the social sciences other than that used under economics, political science, and sociology.)

8990 Thesis (1-6) Independent research project written under the supervision of an approved advisor. Prereq. Permission. (Same as Econ 89910 and P.A. 89910.)

8950 Topics in Regional Geomorphology of North America (3) A seminar on the landscapes of North America from the perspective of a particular geomorphic process viewed on a regional basis rather than the general geomorphology of a specific region. Prereq: Permission.

4100/4106 Educational Gerontology (3) An introduction to the field of education and aging. The institutions and processes of education and aging, the legal and ethical concerns confronting those concerned with value to persons who are young and those who are aging. Prereq: 18 hours graduate standing in Gerontology.

4110/4114 Aging and Human Behavior (3) An overview of social gerontology with an emphasis on the interplay between social, psychological, and physical elements in later life. Restricted to graduate students only and requires completion of Gerontology Specialization. (Same as Sociology 9114.) Prereq: Gradu­ate Standing.

4350/4356 Issues in Aging (3) This course is intended for students interested in the aging process and the changes which may occur in older age. Application of normal and abnormal aging theory to issues concerning aging will be considered. Prereq: 3 hrs. graduate standing in Gerontology. (Same as Sociology 3356.)

4440/4446 Aging and Human Behavior (3) The course examines different kinds of behavior and the changes which may occur in older age. Application of normal and abnormal aging theories concerning aging will be considered. Prereq: 3 hrs. graduate standing in Gerontology. (Same as Sociology 3346.)

4480/4486 Comparative Gerontology (3) The study of aging around the world by a comparative method of cross-cultural and cross-national framework. An explanation of some practical experiences and developments in Europe, Asia, and Africa will be examined. Prereq: Three hours gerontology or permission.

4500/4506 Legal Aspects of Aging (3) Consideration of the legal concerns which are likely to arise as people age. Includes introduction to American legal systems, their relationship to current aging legislation, and legal concepts and issues of special importance to older persons. Prereq: Gerontology 4110/11. Applied Social Gerontology.

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

4580/4586 Age Issues in Childbearing (3) An investigation of the psychological, sociological, and physiological factors that influence the health of the aging, with particular emphasis given to biological changes that have implications for disease and health during pregnancy. Prereq: HEDS 4500.

4670/4676 Programs and Services for the Elderly (3) This course is provided to give the 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 GERO 4946-Practicum and which tend to shape the land use patterns within the functional region receiving the major consideration. Prereq: Geog 4106 or 4108.

4690/4696 Working With Minority Elderly (3) This is an interdisciplinary one. designed to provide the student with knowledge of the differing status, attitudes and experiences of the elderly within four major minority groups and to examine various service models and practice models in terms of their relevance and effectiveness in meeting needs of the minority elderly. (Same as Social Work 8696.) Prereq: Senior or graduate standing in Gerontology or Social Work for the instructor.

4750/4756 Mid-Life, Career Change, and Retirement (3) An examination of this phase of the life cycle as it applies to the concept of second careers, career choices, and the future of second careers, and the concept and practical implications of pre-retirement planning. (Same as Counseling 4756/7556.) Prereq: None.

4850/4856 Hospice and Other Services for the Dying Family/Family (3) This course is designed to aid students in the recognition of fear, concern, and needs of dying patients and their families through a collaborative search of the hospice and other services available in our community. Facilitates readings, professional presentations, films, and experiential exercises are offered to aid the student in understanding that hospice is an alternative to the traditional medical model so that when the "care" system is no longer functional, the "care" system, hospice, may be called on. (Same as Social Work 4856/856.) Prereq: 4756/756. Gerontology 4110/11.

4920/4926 Special Studies in Gerontology (1-3) Special studies designed around the interests and needs of the individual student in the area of aging. The study may be either a literature review project or a field project in which the student is given the opportunity to share field experiences, to obtain guidance concerning var­ious relationships with various clients.
Graduate standing, 3 hours Gerontology, permission.

9960 Directed Readings in Counseling and Gerontology (1-3) A study of recent and current literature on counseling with older people. Prereq: Gero 9956 (or Couns 9986). Counseling major, or permission.

8970 Personal Values and Aging (1) Course designed to increase student's self-awareness of personal values and feelings related to aging and the aged.

9480 Geropsychology (3) To become familiar with the psychology of aging from a research perspective. The focus will be on psychological research in the middle years and in later years. (Same as Psychology 9480) Prereq: 12 hours of psychology and/or gerontology, or permission.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

PROFESSORS: K. Berg, Flynn, Kild
ASSOCIATE PROFESSORS: Blanken, Buchanan, Corbin, Lundahl, Metals-Bobin, Stewart
ASSISTANT PROFESSORS: Bunches-Miller, latin

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

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

Master of Arts

Core Courses

6 hours

HPER 8930 Research in HPER
HPER 8920 Problems and Issues in HPER

Specialization Courses

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

HPER 8000 Special Studies
HPER 8100 Research Project
HPER 8300 Analysis of Research and Literature in HPER
HED 8220 Health Promotion at the Workplace
HED 8250 Human Sexuality
HED 8320 Alcohol Education
HED 8330 Health Aspects of Aging
HED 8350 Health Aspects of Stress Management
PE 8306 Laboratory Methods in Exercise Science
PE 8306 Behavior Aspects of Coaching Athletes
PE 8306 Measurement and Evaluation in Physical Education
PE 8306 Topics of Sports Medicine
PE 8320 Sport in American Culture
PE 8320 Curriculum in Physical Education
PE 8320 Improvement of Instruction in Physical Education
PE 8320 Motor Learning and Performance
PE 8320 Kinesiological Analysis of Motor Skills
PE 8320 Advanced Exercise Physiology
RLS 8294 Organization & Administration of Recreation
RLS 8360 Recreation Programming
RLS 8516 Recreation for the Older Adult
RLS 8520 Therapeutic Recreation: Activity Analysis

Thesis Requirement

6 hours

TPH 8990 Thesis

Elective Courses

6 hours

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

General HPER

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

8300 Research in Health, Physical Education and Recreation (3) The course deals with development and research, emphasizing experimental methods and research design. Considerable emphasis is placed on the development of research proposals and techniques of interpreting research in scientific publications. Prereq: Graduate Student in HPER.

8100 Research Project (1-3) Individual or group-organized research on specific problems in health, physical education, or recreation. Prereq: Permission of instructor.

8220 Problems and Issues in HPER (3) An examination of current problems and issues in HPER.

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

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

Health Education

8600 Topics in Health Education (3) This course will explore important current trends in Health Education. Students will explore economic, political, ethical, and technological developments that affect the practice of Health Education. There is no limit to the number of times a student may
4290/8296 Health Promotion at the Workplace (3) A study of the practice of health promotion in the workplace. Principles of sound program planning, implementation, and management will be explored. The student will study workforce health promotion in relation to cost analysis, health behavior, program content, the insurance industry and program evaluation.

4750 Health Aspects of Aging (3) The study of psychological, sociological and physiological factors that influence the health of the aging. Special emphasis will be given to the patterns of physical changes that take place as people grow older. The role of individual differences, role changes and environmental factors on health status will be explored. Prerequisite: Senior standing in major.

850 Alcohol Dependency Workshop for Educators (1) A concentrated look at problems which arise from teen age misuse of alcohol in today's society. Special emphasis will be given to the differences in the way students with alcohol problems perceive the consequences of their actions, 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 counselors, college and university guidance counselors, and social workers. Prerequisite: Admission to Graduate College.

8250 Human Sexuality (3) This graduate level course is aimed at providing an overview of the current scientific knowledge concerning human sexuality. The course is designed to develop the interdisciplinary nature, providing the biological, behavioral and cultural aspects of human sexuality. Prerequisite: Permission given to students with the help of the cooperating professors. Qualified students from other related disciplines will be given special permission of the instructor.

8330 Alcohol Education (3) A study of the problems associated with alcohol use, misuse, and abuse. The patterns of alcohol use and dependence, pharmacological aspects and health consequences will be studied. Students will be introduced to techniques for alcohol education and prevention of alcohol problems in various areas, i.e., schools, work places, and social organizations.

8850 Health Aspects of Stress Management (3) The health-related aspects of stress management and control will be the focus of this course. Selected techniques for self-regulated stress will be covered. The reasons for stress will be examined, and analyzed. Students will be introduced to current scientific research and literature. Prerequisite: Graduate status.

8950 Health Education Practicum (1-3) This course offers graduate students in health education an opportunity to gain practical, on-the-job training in health promotion/health education in local schools, businesses, hospitals, clinics, voluntary agencies, governmental/health agencies. Prerequisite: 21 credit hours in health education (graduate or undergraduate).

Physical Education

8240 Sport in American Culture (3) The course is a study of sport and the ways in which it influences people in America.

8260 Supervision of Physical Education (3) in the construction and supervision of programs for secondary school students. This course is designed to prepare students for middle school and high school physical education programs.

8280 Curriculum in Physical Education (3) A study of the foundations for curriculum development and related educational problems. Special consideration is given to curriculum change, curriculum patterns, and programs in physical education.

8700 Improvement of Instruction in Physical Education (3) An investigation of current programs, content, methods, and materials within physical education. Emphasis is the improvement of the individual teacher's teaching in the physical education setting.

8850 Health Aspects of Stress Management (3) This course covers selected topics regarding the science and management of stress. Topics will include stress management techniques, personal factors, aspects, and aging. Prerequisites: Core course in human anatomy, physiology, exercise physiology, psychology and growth and development or special permission of the instructor.

Recreation/Leisure Studies

4240/8246 Organization and Administration of Recreation (3) Designed to provide a background of information on preparation and establishment of a community recreation service delivery models for the ill and disabled in both institutional and community settings. It provides a foundation for the development of therapeutic recreation services for special populations and places particular emphasis on advanced leadership and therapeutic interpersonal skills and dynamics. Prerequisite: RED 3500 or permission of instructor.

8560 Clinical Internship in Therapeutic Recreation (3) This course is structured as a full-time (40 hours/week) fieldwork experience in Therapeutic Recreation. The student will have the opportunity to participate in the supervision of a certified Therapeutic Recreation Specialist in an agency/hospital/institution setting. This course is required of the student, the purpose of which is to gain authentic experience and practice in therapeutic recreation services. Prerequisite: At least three upper division undergraduate and/or three graduate courses in Therapeutic Recreation and permission of instructor.

9410 Outdoor Recreation Resource Planning (3) An in-depth view of outdoor recreation planning, formulation, implementation, and administration of recreational programs. Attention will be focused on statewide planning, recreation variables, social preferences, demand forecasting, development, marketing, and public policy. Prerequisite: Graduate level standing, at least 6 hours undergraduate and/or graduate course in recreation courses, or permission of the instructor.

HISTORY

PROFESSORS: Cargian, Dolstrom, Garver, Overfield, Petroveci, Polak, Pratt, St. John, Tose.

ASSOCIATE PROFESSORS: Gappert, Simmons, Thompson

Master of Arts

Admission to M.A. Program

1. To be admitted unconditionally a student must present 21 (twenty-one) hours of undergraduate coursework in history with at least a 3.00 average in those hours; further, to be admitted
DEGREE REQUIREMENTS

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. They shall be removed from the graduate program when they become eligible for and have achieved candidacy.

3. An incoming student, not having Historical Research (Hist 9304) or its equivalent, normally, must take Hist 9303 on a non-graduate credit basis. Interpretation of this requirement rests with the Graduate Program Committee.

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

M.A. Program with Thesis (Option I)

The program for the Master of Arts degree (Option I) with a major in History will usually be arranged in consultation with one of the following general patterns:

1. 24 semester hours of approved graduate courses in History, 9 of which must be in courses open only for graduate registration, i.e., seminars. The other 15 hours may be either lecture courses or courses numbered 8010 in an area of six hours credit each, and are to be taken by a student under this number. A balance of 15 and 9 must be maintained between major and minor areas of study.

2. 15 semester hours of approved graduate courses in History including 9 hours of seminar, plus 9 approved hours of graduate coursework in a related field, such 9 hours constituting a graduate minor. The minor department must consult with the student's advisor to determine the student's eligibility to do graduate work in that department.

In other program of study, a thesis, not to exceed 6 semester hours in independent study credit, is required under the direction of the major advisor.

M.A. Program without Thesis (Option II)

1. Under this plan the student may earn a Master of Arts degree by completing successfully thirty-six hours of coursework, at least half of which must be earned in courses open only to graduate students (9 credit hours). No more than six (6) hours of credit may be taken by a student under courses numbered 8010.

2. In addition to showing broad competency in history, the candidate must prove proficiency in English 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. It includes the study of one of the following: six graduate hours, and no more than nine graduate hours. Permission to take a six hour minor may be granted by the student's 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. When the student initially enrolls, he/she, in conference with the chairperson of the Graduate Program Committee, the Department of History, choose his/her advisor. The chairperson of the History Program Committee shall, after consultation with the student and advisor, recommend an advisory committee to the Dean for Graduate Studies and Research for official appointment. The advisory committee shall be composed of members of the Faculty appropriate to the student's program and academic interest. The chairperson of the advisory committee (and the representative of the minor field, if such field is selected) must be members of the Graduate Faculty.

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

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

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

   a. If the major area of study is European/English history, the examination will be comprehensive, divided into two three-hour segments, with the breaking point for the two segments normally following the breaking point of the American history sequence.

   b. If the major area of study is American History, the examination will be comprehensive, divided into two three-hour segments, with the breaking point for the two segments normally following the breaking point of the American history sequence.
as a significant world power. Prose. For 4240, junior standing or permission of the instructor.

4270/4272 Twentieth Century America to 1932 (3) A study of the history of the United States from the end of the nineteenth century to the election of Franklin D. Roosevelt. Prose. For 4270, junior standing or permission of the instructor.

4280/4282 Twentieth Century America Since 1932 (3) A study of the history of the United States since the election of Franklin D. Roosevelt. Prose. For 4280, junior standing or permission of the instructor.

4300/4302 Constitutional History of The United States Since 1860 (3) A history of constitutional theory and practice since 1860. Prose. For 4300, junior standing or permission of the instructor.

4304/4306 History of North American Indians (3) A survey of Native North American Indian cultures, their contact with transplanted European peoples, and the continuing problems faced today. Prose. For 4304, junior standing or permission of the instructor.

4310/4312 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 affecting the nation at large as well as cities in particular. Prose. For 4310, junior standing or permission of the instructor.

4330/4332 History of American Medicine and Public Health (3) Analysis of the relationship and interaction of medical thought and practice, public health problems and institutional development, and the changes in American society and culture from the 17th to the 20th century. Prose. For 4330, junior standing or permission of the instructor.

4340/4342 History of American Urban Health (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 affecting the nation at large as well as cities in particular. Prose. For 4340, junior standing or permission of the instructor.

4360/4362 European History: The French Revolution and Napoleon Era: 1789-1815 (3) A study of the French revolution and the Napoleonic era with particular attention to the development of democratic practice concurrently with the development of the Napoleonic Empire. Prose. For 4360, junior standing or permission of the instructor.

4380/4382 Europe Betrays Its Promise (1815-1890) (3) A study of the shaping and development which resulted in the Balkanization of Europe.

4390/4392 Teodor and Stuart England (3) A study of England under the Tudors when the English people solidified the monarchy and experienced a golden age, and the Stuarts continued modernization and formalized the new institutions foregrounding those of our world today. Prose. None.

4400/4402 English History: From Empire to Welfare State (3) A study of the change and development in Great Britain from the late 18th century to the present. Prose. For 4400, junior standing or permission of the instructor.

4430/4432 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 affecting the nation at large as well as cities in particular. Prose. For 4430, junior standing or permission of the instructor.

4500/4502 Intellectual History of Modern Europe from the Renaissance to the French Revolution (3) A study of enduring political, religious, economic, and philosophic ideas in their historical setting. Prose. None.

4510/4512 Intellectual History of Modern Europe from the Renaissance to the French Revolution (3) A study of enduring political, religious, economic, and philosophic ideas in their historical setting. Prose. None.

4530/4532 The Age of the Renaissance-Formation (3) A study of the politics and economics of the fifteenth and sixteenth centuries as well as the achievement of Renaissance culture in the emergence of the Protestant churches and the Renaissance Catholicism. Prose. For 4530, junior standing or permission of the instructor.

4550/4552 The Age of Enlightenment (3) A study of the politics and economics of the seventeenth century and of the eighteenth century as well as the emergence of modern secular thought and its impact upon traditional European society. Prose. For 4550, junior standing or permission of the instructor.

4560/4562 French Revolution and Napoleon Era: 1789-1815 (3) A study of the French revolution and the Napoleonic era with particular attention to the development of democratic practice concurrently with the development of the Napoleonic Empire. Prose. For 4560, junior standing or permission of the instructor.

4570/4572 Europe Betrays Its Promise (1815-1890) (3) A study of the shaping and development which resulted in the Balkanization of Europe.

4600/4602 English History: From Empire to Welfare State (3) A study of the change and development in Great Britain from the late 18th century to the present. Prose. For 4600, junior standing or permission of the instructor.

4640/4642 Public Health (3) Analysis of the relationship and interaction of medical thought and practice, public health problems and institutional development, and the changes in American society and culture from the 17th to the 20th century. Prose. For 4640, junior standing or permission of the instructor.

4700/4702 World History in Crisis: 1900-1932 (3) A study of the conditions and forces immediately preceding World War I, the war itself, the peacetime reconstruction, and the rise of totalitarianism in Germany and Italy. Prose. For 4700, junior standing or permission of the instructor.

4770/4772 Europe in Crisis: 1930-1932 (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 dictators. Prose. For 4770, junior standing or permission of the instructor.

4780/4782 Europe in the Global Age: 1932 to The Present (3) A study of the international relations between the Fascist and Communist dictatorships and the western democracies. World War II, the rise of internationalism, and the emergence of the balance of power. Prose. For 4780, junior standing or permission of the instructor.

4800/4802 European History: The French Revolution and Napoleon Era: 1789-1815 (3) A study of the French revolution and the Napoleonic era with particular attention to the development of democratic practice concurrently with the development of the Napoleonic Empire. Prose. For 4800, junior standing or permission of the instructor.

8010 Advanced Research Project in History (1-5) Special problems in advanced research in history, arranged individually with graduate student and faculty. Prose. 15 graduate credit hours (including 2 seminars). Permission of the instructor.

9100 Seminar in History (3) Problems in selected topics of history. Prose.

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 arranged. The student is expected to have completed a lot of coursework and a lot of coursework at a high level.

Master of Science

To obtain the Master of Science degree, the student must:

a. Earn a total of 36 acceptable credits, and at least 24 of these must be in Mathematics.

b. Choose Mathematics courses which carry a number of 8006 or above, with a last digit being a 0 or a 2. At least 18 credit hours must have a last digit of 0 or 2. An exception is that 9100 and 9000 may not be used for the Master of Science degree in Mathematics.

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, he or she may take up to 12 hours of graduate work in Physics or Computer Science. All non-mathematical 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 total.

c. Complete the requirements of b, c, and d above.

Master of Arts for Teachers of Mathematics (M.A.T.)

This is a specialized degree designed to provide secondary school mathematics teachers with more depth in mathematics combined with a core of relevant professional education courses. It also provides an overview of modern and modern theories of education, and in mathematics as a social and educational field.

Admission Requirements: Master of Arts degree (M.A.T.):

A student meeting the following conditions will be admitted to the M.A.T. program:

1. Has state certification for teaching secondary school mathematics.

2. Has maintained at least a B average in previous mathematics courses including two courses beyond elementary calculus.

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. A student who has completed a bachelor's degree certifying them to teach in grades 7-12 and who want to add mathematics to their credentials will be admitted provisionally to the M.A.T. Program upon completion of Math 500 (Math 500) and Math 501 (Math 501) with a GPA of 3.00 or better.

Plans of study available with the M.A.T. degree:

Three different plans of study are available leading to the M.A.T. degree. All of them require 36 semester hours of graduate credit, with at least 24 of these courses offered by the Department of Mathematics/Computer Science and at least 9 in courses offered by Secondary School Teacher Education. The three plans are: Statistics, Computer Science and Mathematics, Computer Science and Business, and Mathematics and Education.

1. Required Mathematics courses for all plans:

   Required Mathematics courses for all plans: CS 1610 or equivalent (graduate credit), M3105, M3235, M3630, M8020, M8090.

   Required Education courses for all plans: Three courses for graduate students only: 5 semester hours credit in Secondary/Post Secondary Teacher Education. One course must include the use of microcomputers in the classroom, with the remaining two courses to be chosen with written approval of the advisor.

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

3. Remaining 9 semester hours to be chosen according to one of the following:

   a. Statistics Option: Stat 5005, Stat 5015, M 5005 (Selected Topics Statistical Research for Teachers of Mathematics)

   b. Mathematics Option: Student selects 3 courses in Mathematics 4900 level or above.
Computer Science


4320/8325 System Design and Implementation (3) Principles and techniques of the design and implementation of information systems. Hardware and software selection and evaluation. Prent: CSCI 16.

4330/8335 Linear Programming (1-3) Theory of discrete optimization problems including transshipment problems, assignment problems, and integer programming. Same as Math 4310/8315.

4350/8356 Computer Architecture (3) Basic digital circuits, Boolean algebra, combinational and sequential digital logic, Digital storage and operating systems, computer organization and reliability. Description and analysis of computer equipment. Prent: Math/CS 2030 (formerly CS 2350).

4500/8506 Operating Systems (3) Operating system principles. The operating systems as a resource manager, I/O programming, interrupt processing, and machine architecture as it relates to resource management. Prent: Math/CS 2030.

5400/8405 Data Base Management Systems (3) Introduction to general database management systems (DBMS): the relational, hierarchical, network and object-oriented. Prent: Math/CS 2030 (formerly CS 2350) and CS 1620 or CS 1820.

5450/8455 Database Systems (3) Introduction to general database management systems (DBMS): the relational, hierarchical, network and object-oriented. Prent: Math/CS 2030 (formerly CS 2350) and CS 1620 or CS 1820.


DEGREE REQUIREMENTS

4270/8276 Complex Variables (3) Differentiation, integration and power series expansions of analytic functions, conformal mapping, residue calculus, and applications. Pre: Math 2230 or advanced calculus.


4310/8310 Discrete Optimization (3) The mathematical foundations and solution algorithms of combinatorial optimization problems including transportation problems, network problems, and integer programming. Same as CS 4310/8310. Pre: Math/Cs 4305/8305.


4410/8410 Introduction to The Foundations of Mathematics (3) Logic, the axiomatic method, properties of axioms, set theory, cardinal and ordinal numbers, metatheorems, construction of the real number system, historical development of the foundations of mathematics, recent developments. Pre: Pre: For 4410, senior standing.

4510/8510 Theory of Numbers (3) Divisibility and primes, congruences, quadratic reciprocity, Diophantine equations, and other related topics. Pre: At least one math course numbered 3300 or above.

4600/8606 Tensor Analysis (3) A review of vector analysis, study of bases and space tensors, applications to geometry and mechanics. Pre: Pre: Math 2230 or permission of the instructor.


4650/8656 Operational Mathematics (3) Laplace transformation, inverse integral, general integral transforms, Hankel transforms, and applications to partial differential equations, heat conduction and mechanical vibrations. Pre: Math/Cs 3828/4828 and Math 3110/8115.

4750/8750 Introduction to Probability and Statistics I (3) Theory and methods of statistical inference, including estimators, statistical hypothesis testing, confidence intervals, regression analysis, data analysis, and statistical software. Pre: Stats 2740/8740.

8766 Stochastic Modeling (3) Examination and construction of various probabilistic models including Markov chains, Poisson Processes, renewal theory and queueing systems. Same as CS 3760/8760. Pre: Math 3750.

8020 Topics in Geometry and Topology (3) Selections from the following topics: Riemannian manifolds — complex numbers and stereographic projection, non-Euclidean geometry; graph theory; topology of the plane; two-dimensional manifolds; hyperbolic geometry. Pre: Secondary teacher certification or admission to graduate school.

8040 Topics in Computer Science (3) An introduction to digital computers and programming languages. Brief history of computer science, a survey of the applications of computers, and the implications for education. Pre: Permission of instructor. Pre: Secondary teacher certification or admission to graduate school.


8400 Calculus of Variations (3) An introductory course devoted to the classical theory and applications of the calculus of variations, such as the brachistochrone problem and the problems in parametric form. Pre: Math 3220/4220.

8500 Applied Complex Variables (3) Applications of complex variables to potential theory, the Fourier and Laplace transforms, and to other fields such as ordinary differential equations, number theory, etc. Pre: Math/Cs 4208/8208.

8610 Introduction to Probability Models (3) An introduction to probability modeling including the Poisson process, Markov chains, and queueing processes. Pre: Math 3230 or equivalent. Pre: Applications will be an important part of the course. Pre: Math/Cs 3790/4790 and Stat 3810 or Stat 3820.


8900 Graduate Seminar I (3) A graduate seminar in mathematics, taught by specialists in their fields. Pre: Permission of instructor and graduate classification.

9891 Independent Study (3) Under this number a graduate student may pursue studies in an area that is not normally available to him in a formal course. The topics studied will be a graduate seminar in mathematics, taught by specialists in their fields. Pre: Permission of instructor and graduate classification.

Statistics

3000/8005 Statistical Methods I (3) Distribution, introduction to measures of central tendency and dispersion, population and sample, the normal distribution, inference, single population, inference. Two populations, introduction to one-way analysis of variance. Statistical packages on the computer will be utilized in the course. Pre: Math 1310 or equivalent.

3010/8015 Statistical Methods II (3) Regression and correlation, analysis of covariance, chi-square test, time series analysis, multiple regression. Statistical packages will be utilized.

MUSIC

PROFESSORS: Low, Peters, Prince, Rusetz, Shander
ASSOCIATE PROFESSORS: Bales, Foltz, Mullen, Saher, P. Todd
ASSISTANT PROFESSORS: McGlory

Entrance Requirements for Admission to the Graduate Program in Music Education

Applicants must have earned a baccalaureate degree in Music from a recognized institution of higher education. The student must have a cumulative average of 3.0 or better GPA (on a 4.0 scale) in all music courses or a 3.0 or better GPA in all upper division music courses. If the applicant does not meet any of the 3.0 GPA requirements, she will be admitted into the program. An applicant who meets only one of the 3.0 GPA requirements (overall or upper division) must take the Music Department Diagnostic Exam before she can be admitted. All courses that complete undergraduate coursework to satisfy any deficiencies that the diagnostic exam indicate.

Master of Music

The Department of Music offers graduate courses in the areas of music education, performance, music history and theory. The degree requires a total of 30 or more credit hours for completion, and may include a program to either performance or music education.

MUSIC PROGRAMME OF STUDY

Applied Music* 3
Music Bibliography 3
Music History or Theory 3
Music Literature 3
Performance Techniques 3
Rhetoric 3
Special Topics or Electives 9
Total Semester Hours: 30 hours

*Consulting Professor can be calculated for performance specializations.

MUSIC EDUCATION PROGRAM OF STUDY

Music Education 6
Music History 3
Music Literature 3
Electives in Music* 3
Option A: Thesis 3
Option B: Additional Hours** 3
Total Option A 30
Total Option B 30

* For selected from the following areas: conducting, performance, pedagogy, historiography.

** Additional hours must be earned in graduate level teaching or research.

Financing: A description of financial aid opportunities is available in the office of the Student Financial Aid Office.
MUSIC 91

90 DEGREE REQUIREMENTS

I:
4580 18586 Music in Classical Music Literature to undertake a comprehensive survey of music literature from the pre-romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

1400/1406 Advanced Composition (3) Designed to help students become more familiar with the various aspects and techniques employed in the composition of music. Emphasis will be placed on the role of rhythm, melody, harmony, and form in the creation of music. PreReq: Music 2560 or permission of the instructor.

160/1606 Twentieth Century Styles (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

1680/1686 Musical Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. Prereq: Music 2560 or permission of the instructor.

1700/1706 Voice Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

1760/1766 Piano Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

1820/1826 Systematic Study and Analysis (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

2010 The Arts and the Executive (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

2200/2206 Keyboard Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

2400/2406 Violin Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

2600/2606 Guitar Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

2800/2806 French Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

3000/3006 Voice Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

3500/3506 Music Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

3700/3706 Vocal Music Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

3800/3806 Music Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

4000/4006 Music Literature (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

4600/4606 Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

4700/4706 Musical Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

4900/4906 Voice Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

5000/5006 Piano Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

5100/5106 Voice Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

5200/5206 Piano Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

5300/5306 Voice Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

5400/5406 Voice Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.

5500/5506 Piano Pedagogy (3) This course is intended for music majors who wish to undertake a comprehensive survey of music literature from the late romantic to the present day. The objective will be to provide the student with a plan of study covering all the major composers and styles in the history of music during this period. PreReq: Music 2560 or permission of the instructor.
POLITICAL SCIENCE

PROFESSORS: Camp, Kirwan, Menard
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 present, as a 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, the department requires a writing sample to demonstrate 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 satisfy the general requirements of the Graduate School and complete thirty semester hours of coursework and six hours of thesis supervision. Students must maintain a B average in their coursework, and must complete six hours of comprehensive examination. The comprehensive examination will cover the reading lists for all core courses and a selected number of advanced courses.

Master of Science

Degree Requirements: This advanced non-thesis program is specifically designed to enable career goals in the public service, education, and business fields. Thirty-six hours of coursework are required, with a minimum of eighteen hours at the 8000 level, including 8000 (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 average in their coursework, receiving no more than one C. Degree candidates must pass written comprehensive examinations covering their areas of study. The exam is to be taken each student's program to fit his or her personal or career interests.

3080/3036 The Presidency (3) The rise of the institution from Washington to the present, to the policies and administrative and judicial roles the president uses today and how these are influenced by political and public opinion. Preparatory for 4096, Political Science 1100 and junior standing.

3080/3036 The Legislative Process (3) A comprehensive study of the legislative processes of the Congress and state legislatures. The major emphasis is on legislative institutions, processes and behavior. Preparatory for 4040, Political Science 1100 and junior standing.

3080/3056 The Judicial Process (3) This is a legal training in the judicial and administrative function. It examines the federal and state courts with respect to their powers, policies, selection, the bar, and the interaction of the three branches in the most basic of all macroeconomic decisions. Preparatory for 4056, Political Science 1100 and junior standing.

4120/8126 Public Opinion and Political Realities (3) Analytical examination of American public opinion and political decision-making, with emphasis on the role of interest groups and the political process. Preparatory for 4169, Public Relations and Public Policy.

4200/8256 International Politics of Asia (3) Analysis of contemporary relations among the Asian nations, their historical background, and their future. Preparatory for 4420, junior standing.


4230/8262 Inter-American Politics (3) Analysis of the foreign policy of the Western Hemisphere. Preparatory for 4420, junior standing.

4310/8316 Political Philosophy I (3) Historical analysis of the thought of Plato and the Athenian, Aristotle and the Aristotelian, and St. Thomas Aquinas. Preparatory for 4510, junior standing.

4320/8326 Political Philosophy II (3) Historical analysis of the thought of the Stoics, and the modern political philosophers. Preparatory for 4510, junior standing.

4330/8336 Political Philosophy III (3) Historical analysis of the thought of the British, German, and American philosophers. Preparatory for 4510, junior standing.

4340/8346 Dictatorship (3) A basic study of dictatorship, its roots, development, present application and problems. Preparatory for 4510, junior standing.

4360/8366 Dictatorship (3) A basic study of dictatorship, its roots, development, and problems. This course includes an examination of the historical development and the nature of dictatorship. Preparatory for 4510, junior standing.

4370/8376 Communism (3) The major issues, problems, and problems of the Soviet Union and its political power, its world-wide expansion, and the threat it poses for other nations. Preparatory for 4510, junior standing.

4500/8506 Government and Politics of France (3) A comparative study of the British and French political systems. Emphasis will be placed on the the political and legal institutions of each country and their implications for the political processes of each. Preparatory for 4510, junior standing.

4520/8526 Government and Politics of China (3) A comparative study of the British and Chinese political systems. Emphasis will be placed on the political and legal institutions of each country and their implications for the political processes of each. Preparatory for 4510, junior standing.

4540/8546 Topic in Political Science (3) A seminar on selected topics based on an analytical examination of national political problems. Preparatory for 4510, junior standing.

8900 Seminar in The Research Methods of Political Science and Public Administration (3) A critical analysis of the methods of data collection and research. Preparatory for 4560, senior standing. (Also offered under public administration program.)

9000 Seminar in American Government and Politics (3) A study of the structure and function of the American political system with emphasis on individual and public opinion. Preparatory for 4560, senior standing. (Also offered under public administration program.)

9100 Seminar in Public Law (3) Practical methods of research as applied to specifically selected problems in the areas of administrative law. Preparatory for 4560, senior standing. (Also offered under public administration program.)

9200 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. Preparatory for 4560, senior standing.

9300 Seminar in Political Theory (3) Analysis of the interaction of moral, political and ideological conceptions with their impact on political thought and policies. Preparatory for 4560, senior standing.

9400 Seminar in Comparative Politics (3) An examination of the purpose, theories and literature of the comparative research approach, with emphasis on the role of comparative research in international political science. Preparatory for 4560, senior standing.

9500 Seminar in Urban Politics (3) An examination of the role of the political processes in urban life, with emphasis on the function of the states, and their political systems in the urban area. Preparatory for 4560, senior standing.

9600 Seminar in the Study of Urbanization (3) An examination of the role of the political processes in urban life, with emphasis on the function of the states, and their political systems in the urban area. Preparatory for 4560, senior standing.

9700 Seminar in the Study of Urbanization (3) An examination of the role of the political processes in urban life, with emphasis on the function of the states, and their political systems in the urban area. Preparatory for 4560, senior standing.

9800 Seminar in the Study of Urbanization (3) An examination of the role of the political processes in urban life, with emphasis on the function of the states, and their political systems in the urban area. Preparatory for 4560, senior standing.
Program of Study
The first year of the MPA program focuses 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 complete a core of required courses in accounting and the supporting disciplines. In consultation with an advisor, electives may be selected to meet a student’s specific career goals. The program does not require a thesis or comprehensive examination, but a thesis may be elected.

Admission Requirements
All applicants must meet the requirements of the Graduate School as stated in the Graduate Catalog. Applicants must submit a completed application, official copies of all transcripts and results of the Graduate Management Admission Test (GMAT) prior to admission to the program. Although other factors are considered, the general admission formula is:

GPA (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 in the English language. The baccalaureate degree must have been received from an institution accredited by the proper accrediting agencies.

Foundation Courses* (39 total semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acc 401</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>Acc 3020</td>
<td>Tax Accounting</td>
</tr>
<tr>
<td>Acc 3410</td>
<td>Intermediate I</td>
</tr>
<tr>
<td>Acc 3500</td>
<td>Cost Accounting</td>
</tr>
<tr>
<td>Acc 4080</td>
<td>Accounting Information Systems</td>
</tr>
<tr>
<td>Acc 4000</td>
<td>Principles of Auditing</td>
</tr>
</tbody>
</table>

Note: Students must complete a minimum of 6 hours of Accounting 202 or equivalent or be approved by the Department Chair. This is a prerequisite to any upper-level accounting courses.

Advanced Accounting (12 hrs.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>BA 1810</td>
<td>Business Law Survey</td>
</tr>
<tr>
<td>BA 1850</td>
<td>Survey of Management</td>
</tr>
<tr>
<td>BA 1870</td>
<td>Quantitative Survey</td>
</tr>
<tr>
<td>BA 1810</td>
<td>Foundations of Economics</td>
</tr>
<tr>
<td>PB 2350</td>
<td>Corporate Finance</td>
</tr>
<tr>
<td>MRT 3310</td>
<td>Marketing</td>
</tr>
</tbody>
</table>

Other Electives (6 hrs.)
In consultation with the MPA director, up to 6 hours of additional graduate work may be selected.

Other Requirements
1. A minimum of 6 hours of “6” level courses may be included in the graduate program of study.
2. All Foundation courses should be completed with a minimum of “C” before registering for graduate courses. Exceptions should be approved by the MPA director.
3. Students are subject to all policies and procedures of the Graduate College as stated in the Graduate Catalog.
4. Students must earn a minimum grade of “B” in BA 8800 to successfully complete the course as a graduation requirement.

Note: Students must complete a minimum of 36 semester hours.
The Master's degree program in psychology is designed to provide students with a comprehensive understanding of psychological principles and theories. The program requires students to complete a minimum of 90 credit hours, including courses in psychology and related fields. Students are required to complete a thesis or a dissertation, and they must pass all courses with a grade of B or higher. The program is offered in both full-time and part-time options, and students have the opportunity to work with faculty members on research projects. Graduates of the program are prepared for careers in education, counseling, and research, as well as for further study at the doctoral level.
I. Speech Sounds. Pre req: Permission of instructor.

4520/4526 Psycholinguistics (3) A discussion of the relationship between language and thought. Study of such psycholinguistic variables as perception, learning, and memory. Emphasis on the development and relationship to the linguistic structure of speech, language, and thought. Prem: Permission of instructor. 4550/4556 Retardation (3) This course is concerned with retardation and includes studies of the mental retardation, intellectual disability, and special educational problems faced by psychologists who work in an educational setting. Prem: Written permission of your practicum coordinator.

8900 Practicum in Developmental Psychology (1-6) Faculty supervised experience in a setting designed to provide a practical training in the evaluation of theoretical concepts of human development. Includes direct observation and participation in specific situations. Prem: Written permission of your practicum coordinator. 8990 Thesis (1-6) Independent research project written under supervision of a faculty committee. May be repeated up to a total of nine credits. Prem: Written permission of your thesis committee.

9030 Seminar: Topics in Industrial/Organizational Psychology (3) A topic area within the Industrial/Organizational Psychology sequence. It is an independent study of the topic, which is to be approved by the instructor. 9040 Proseminar: Learning (3) A comprehensive and intensive coverage of the experimental literature on learning in humans and animals. Prem: Permission of instructor.

9090 Theory of Measurement and Design (3) A study of the theoretical and practical problems related to the development and use of psychological measures and research designs. Prem: Written permission of instructor. 9110 Proseminar: Regression and Correlation (3) A course is planned for graduate students in psychology as a part of a core requirement for four semesters. It is appropriate for persons who are interested in another area of psychological science. The course includes a comparison of the use of dependence and regression equations, as well as the use of correlation and regression equations, in other applied areas. Prem: Permission of instructor.

9120 Multivariate Statistical Analysis (3) An examination of statistical techniques for describing and analyzing multivariate data collected in behavioral research. Analytic techniques derived from the general linear model are emphasized, focusing on the interpretation and use of these techniques. The course is intended for doctoral students in psychology and for those interested in both advanced masters students in the behavioral sciences. Prem: Psychology 9090, 9190, and 9110 or permission of instructor.

9210 Proseminar: Perception (3) A course designed to provide an introduction to the experimental literature on perception in humans and animals. Prem: Permission of instructor.

9330 Proseminar: Physiological Psychology (3) A study of the biological substrates of behavior with emphasis upon neuroanatomy, neurophysiology, and psychology.
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 completed a baccalaureate degree or its equivalent from a regionally accredited institution or have completed the equivalent of a baccalaureate degree from a non-regionally accredited institution. Additionally, the student must have completed at least 15 semester hours of college-level coursework, preferably in core courses at a regionally accredited institution.

Students who wish to take courses for professional, personal interest but who do not intend to pursue an advanced degree may be granted classified admission. Approval for classified admission is obtained from the Graduate Program Committee. Students are also required to have completed the equivalent of a baccalaureate degree from a regionally accredited institution, preferably in core courses at a regionally accredited institution.

Non-native Students

Students who plan to attend the MPA Program from foreign countries must be able to demonstrate proficiency in English. They must take the TOEFL exam with a score of 550 or better. They must have completed the English Diagnostic Test administered by the English Department at UNO and demonstrated to the satisfaction of their instructor and the ILUNO staff that their English competency is adequate for graduate level work.

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 has been completed; and (2) the applicant has a grade point average of 3.00 on a 4.00 system or equivalent.

Transfer of Credit

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In accordance with Graduate College guidelines, students must apply for candidacy for the degree when: (1) a minimum of six hours of graduate credit has been completed; and (2) the applicant has a grade point average of 3.00 on a 4.00 system or equivalent.

Transfer of Credit

Students who plan to attend the MPA Program from foreign countries must be able to demonstrate proficiency in English. They must take the TOEFL exam with a score of 550 or better. They must have completed the English Diagnostic Test administered by the English Department at UNO and demonstrated to the satisfaction of their instructor and the ILUNO staff that their English competency is adequate for graduate level work.

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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 the urban setting; (2) for research or teaching in urban programs and are seeking additional professional training. Qualified candidates are being sought by a 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 the problems of contemporary urban society.

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 fall or spring term, for the undergraduate major of Public Science, or for the junior-year seniors and have completed all other admission requirements for Graduate Studies. 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 applicant has achieved a grade average of 2.70 or above or has not completed one of the four examinations (GRE, MAT, GMAT, LSAT). Exceptions to the 2.70 grade point average may be made by the Graduate Program Committee in conjunction with the Graduate Dean where the applicant has demonstrated record of work experience directly related to Urban Studies, has a graduation date at least four years previous to application, or has demonstrated through recent coursework an ability to complete graduate work.

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.

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 3.00 of no grade lower than a “C” has been earned; (3) the appropriate graduate examination scores (GRE, MAT, GMAT, or LSAT) have been placed on file with the Graduate Office; and (4) the student is currently carrying incomplete within their area of study. As a rule, no grade can be awarded in any semester after degree candidacy and the current year of graduation.

Application forms should be filled out by the student in consultation with a faculty advisor as soon as the student is eligible for admission to candidacy. A detailed resume must be included with the application.

Transfer of Credit

Students may transfer up to 1/3 of the coursework required for the Urban Studies degree requirements. Transfer credit requires approval of the Graduate Program Committee. Students should discuss this with a faculty advisor. The request to transfer credit requires a letter of explanation from the student.

Degree Requirements

Thirty-six 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 8010, 8020, 8030, 8040, and a graduate course in research methods. Courses applicable to the area of concentration may include but are not necessarily limited to: Community and Regional Planning (11.5), 8136, 8156, 9240, Public Administration (8950, 8960, 8970, Sociology 8100, 8116, 8760, Geography 8116, 8380, 8460, Counseling and Guidance 8000, 8296, 8760, Geography 8116, 8380, 8460. A maximum of nine hours of optional credit may be selected from Economics 8136, 8329, 8380, 8550, History 9430, 9460, 9470, Geography 8010, 8136, 8216, or any of the courses listed above subject to approval. Eighteen hours of the coursework must be at the 8000 level. (A Master’s thesis is not required.) The GRE must be taken during the first semester of enrollment.

A comprehensive final examination is required, but a thesis is not required.
the environment of public administration, introducing the student to public organization theory and the process and functions and problems of the public administration process. Prereq: Course in American government or permission.

8066 Introduction to Urban Planning (3) This course will serve as an introduction to the development of urban planning as it has shaped and reacted to major trends in U.S. history. It will provide students with major themes and traditions in the field of planning and will include planning practice, planning procedures and methods and concepts used in the field. Prereq: none other than graduate status.

8306 Seminar in Public Policy (3) A study of the economic and political determinants of public policy in terms of administration and implementation and of measuring and evaluating policy impact. The course includes both study of general policy processes and, to a lesser extent, particular policy topics. Prereq: Permission of advisor.

4430/8436 Municipal Administration (3) A variable content course, designed to meet the needs of administrators in the metropolitan areas with special emphasis on structure of planning departments, comprehensive plans, and environmental impact statements. Prereq: 4120 or recommendation from pol sci, soc. or env. department. (Also listed under grad).

920 Readings in Public Administration (1-3) Specially planned readings in public administration for the graduate student in the metropolitan area. Prereq: PA 2170 or PA 8050 or permission of advisor.

8440 Seminar in Organization Development in Public Agencies (1) A study of the theory and practice of organizational development in public agencies. Participation in seminars and development of skills with emphasis on organizational problems is stressed. Prereq: PA 2170 or PA 8850 or Permission of Advisor.

8450 Seminar in Advanced Management Analysis in Public Agencies (3) A study of theory and method related to analysis of problems of organization and workflow in public agencies. The course includes problem analysis, field study methods, design of improved methods, selecting alternatives and developing action packages. Prereq: PA 2170 or PA 8050 or approval of advisor.

8700 Seminar in Grants and Contracts (3) A seminar in the development, acquisition and administration of grants and contracts. The course will include legal considerations and problem/proposal analysis for proposals and the like. Prereq: Graduate standing with P.A. major, or permission of the Instructor.

8810 Seminar in Metropolitan Planning (3) An overview of the development and administration of metropolitan areas with special emphasis on structure of planning departments, comprehensive plans, and environmental impact statements. Prereq: 4120 or recommendation from pol sci, soc. or env. department. (Also listed under grad).

8920 Readings in Public Administration (1-3) Specially planned readings in public administration for the graduate student in the metropolitan area. Prereq: PA 2170 or PA 8050 or permission of advisor.

8940 Seminar in Administrative Ethics (3) This course is designed to make students public management aware of and sensitive to the ethical components of public sector administration. Ethical concerns permeate much of what public administrators do, and this course focuses on identifying common ethical concerns along with their implications and consequences. Prereq: PA 2170 or PA 8050 or permission of Public Administration or permission of the instructor.

8980 Seminar in Public Financial Administration (3) Financial organization, intergovernmental financial relations, and the role of government in the private sector. Prereq: PA 2170 or PA 8050 or permission of advisor.

8970 Seminar in Metropolitan Planning (1-3) This course is designed to make students public management aware of and sensitive to the ethical components of public sector administration. Ethical concerns permeate much of what public administrators do, and this course focuses on identifying common ethical concerns along with their implications and consequences. Prereq: PA 2170 or PA 8050 or permission of advisor.

9290 Research in Public Administration (1-3) The course is intended for advanced graduate students in public administration. It is especially suited for those in-charge students who have had their internships waived and who might profit more by in-depth research on a problem of public administration than additional classroom courses. Prereq: 15 hours graduate work in public administration and permission of faculty advisor. 8960-8980 Internship (3 per sem.) Maximum of 15 hours to be completed on successful report from internships. Internships in some government, political, area or local, or non-profit fields and in some instances public operated or owned institutions. Students will take the course as Credit/Non Credit. Prereq: All coursework for the M.P.A. completed.

Urban Studies

8826 Comparative Urban Studies (3) Comprises Emphasis will be upon contrasting the cities of the developed and developing nations with the urban systems of the world. World listed under economic, geography, political science, and sociology.

9010 The Metropolis As A Public Economy (3) The integration of public and private economics in the metropolitan system as they affect metropolitan problems such as poverty, transportation, welfare, education, and the environment will be analyzed.

9020 Race, Ethnicity, and American Urban Communities (3) The course explores social, economic, and cultural themes, race and ethnicity, which have driven the urbanization of American society and American culture.

9830-9840 Interdisciplinary Seminar On The Urban Community (3-6) An interdisciplinary course on the metropolitan community in which urban problems are put in a broad social, political, and related focus. (Also listed under economics, geography, political science, and sociology.

SOCIAL WORK

PROFESSORS: Andrews, H. Burch, Ozaki, J. Woody
ASSOCIATE PROFESSORS: Casey, Dendle, Grandbois, B. Hagen, McGraw, Zeltmeyer

COURTESY FACULTY: G. Watters

The Profession of Social Work

Social work is one of the "helping professions" concerned with the quality of human life. Specifically, the social worker is concerned with people's ability to function meaningfully and effectively in transactions with the environment (i.e., family, friends, organizations, and the community at large). Social workers bring to their professional roles both a holistic understanding of people and the social institutions in which they live and work, and a commitment to work for human rights and social justice. Social workers seek to help those in need and to work for social change through the use of evidence-based practice. In their work, social workers combine the use of social work theory, research, and practice skills to understand and intervene in social problems.

The School of Social Work is an active member of the Social Work Education Council (SWEC), which represents the interests of graduate social work programs in the United States. The School is accredited by the Southern Association of Colleges and Schools, and is approved by the Council on Social Work Education (CSWE), which is recognized by the U.S. Department of Education as the national agency for the social work profession.

The School of Social Work is accredited by the Council on Social Work Education (CSWE).

Requirements for the Degree of Master of Social Work

1. A minimum of one year in residence.
2. There are two years of graduate study required for the Master of Social Work Degree. The Advanced Program, leading to a Bachelor’s degree in social work from a CSWE accredited program, requires the completion of at least 60 credits. The Two Year Program for students with a Bachelor’s degree not seeking a degree in CSWE accredited programs requires at least 42 credits of course work in social work, or in a social work from a CSWE accredited program approved by the U.S. Department of Education as meeting the requirements of social work education.

The School of Social Work is accredited by the Southern Association of Colleges and Schools, and is approved by the Council on Social Work Education (CSWE).
DEGREE REQUIREMENTS

4. The GRE or MAT (Miller Analogies Test) should be completed during the first semester of graduate studies.

5. A final written comprehensive examination is required.

6. See the School of Social Work Student Handbook for other requirements.

7. The Director of the School of Social Work may approve loads to fifteen hours for Social Work Practicum.

The type and credit value of each of the courses is indicated in the course descriptions below. Courses offered by the School are subject to change.

NOTE: Social Work students may transfer up to 1/3 of the coursework required for the 42-credit MSW program. Courses must be approved by the Dean of Graduate Studies and Research as being appropriate substitutes for a requirement or elective.

Foundation Courses

8000 Human Behavior and the Social Environment (3) A foundation course providing basic knowledge of the contributions of the behavioral, social, and cultural sciences to understanding of human behavior in social contexts. Prereq: Graduate Social Work student or permission of School.

8050 Social Welfare Policy, Services, & Analysis (4) An examination of social policy development and the functioning of specific delivery systems together with beginning policy analysis techniques, including socio-economic, political, legal, and psychological contexts. Prereq: Graduate Social Work student or permission of School.

8100 Social Work Practice I (Generic) (2) This course is designed to serve as an introduction to the goals of practice: the role of conceptual frameworks, skills, and techniques that are essential in the practice of social work and which serve as a foundation for further professional growth. Prereq: SW 8000 prior to or concurrent with.

8120 Social Work Practice II (Macro) (2) An introductory course providing an overview of basic theories of social work practice with individuals, families, and small groups. The emphasis is on assessment of social situations leading to a decision and plan of action appropriate to working with individuals, small groups, or families. Prereq: SW 8000, SW 8100.

8140 Social Work Practice III (Macro) (2) This is an introductory course for graduate social work students who studies basic theories and principles of the practice of social work in organizations, institutions, and communities, and includes exploration of the advantages of micro and macro practice. Prereq: Concurrent with or subsequent to SW 8000, 8050, and 8100 or permission of School.

8160 General Social Work Practicum I (3) This course will provide supervised individualized learning experiences in selected social welfare agencies, introducing a variety of social work practice roles, emphasizing developing relationships with client systems, the problem solving process, and the utilization of interventional modalities to effect change. Prereq: Concurrent with or subsequent to SW 8100.

8200 Social Work Practicum II (Generic) (2) This course is designed to provide supervised individualized learning experiences in agencies. The course utilizes a seminar format to explore theoretical foundations of assessment and intervention, application of mental health practice skills to the clinical setting, and relationships of the knowledge and skills in selected areas of research and practice. Prereq: SW 8200 or permission of School.

8210 Independent Study in Marriage and Family Therapy (1-3) This course offers the opportunity for deepening the student's knowledge and skills in selected areas of marriage and family therapy. May be repeated for up to six hours. Prereq: Graduate Social Work student or permission of School.

8220 Social Work Practicum III (3) An advanced social work practice course, designed to provide supervised field experience to the student in a variety of settings, with particular emphasis on social work practice in mental health programs, with groups, and for planning for social change. Prereq: SW 8140, SW 8170 or BSW, or permission of School.

8580 Supervision in Social Work (3) To provide the student with knowledge of theories and practice in supervision in social work. Prereq: SW 8170 or BSW, or permission of School.

9400 Practice Related to Social Work, A Social Action, Change & Political Advocacy (3) An advanced policy course in social work, political advocacy, and political practice. Prereq: SW 8140, SW 8170, or BSW, or permission of School.

Social Work Practicum Courses

8400 Advanced Social Work Practicum I-UU (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with, or any of the following: SW 8500, SW 8520, SW 8540, SW 8580 prior to or concurrent with micro placement and permission of School.

8410 Advanced Social Work Practicum II (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with, or any of the following: SW 8500, SW 8520, SW 8540, SW 8580 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum III (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with, or any of the following: SW 8500, SW 8520, SW 8540, SW 8580 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum IV (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with, or any of the following: SW 8500, SW 8520, SW 8540, SW 8580 prior to or concurrent with micro placement and permission of School.

8240 Social Work Practicum V (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with, or any of the following: SW 8500, SW 8520, SW 8540, SW 8580 prior to or concurrent with micro placement and permission of School.

8250 Family Analysis and Treatment (3) The family is considered as a system of social work intervention. Several theories of family interaction are considered: theoretical family treatment are assessed. Prereq: SW 8200 or permission of School. Prereq: SW 8200 or permission of School.

8250 Family Analysis and Treatment (3) The family is considered as a system of social work intervention. Several theories of family interaction are considered: theoretical family treatment are assessed. Prereq: SW 8200 or permission of School.

8260 Gestalt-transactional Analysis (3) An intensive didactic and experiential course designed to give students in-depth knowledge and practice skills in the utilization of gestalt techniques in therapy (GT) and gestalt therapy. Prereq: SW 8200 or permission of School.

8270 Analysis and Treatment of Sexual Problems (3) The course provides an intensive analysis of sexual problems and techniques of treatment, with emphasis on techniques that can be utilized to understand and treat sexual problems in an open and non-judgmental atmosphere. Prereq: SW 8200 or permission of School.

8280 Social Work Practice in Marriage, Divorce and Remarriage Adjustment (3) This is an advanced practice course designed to prepare students to work with couples and families experiencing problems in marriage and family adjustment. Prereq: SW 8200 or permission of School.

8300 Social Work Practicum VI (3) This course is designed to provide supervised individualized learning experiences in selected social welfare agencies, introducing a variety of social work practice roles, emphasizing developing relationships with client systems, the problem solving process, and the utilization of interventional modalities to effect change. Prereq: Concurrent with or subsequent to SW 8100.

8320 Clinical Seminar in Mental Health (3) This course utilizes a seminar format to explore the implications of theoretical foundations of assessment and intervention, application of mental health practice skills to the clinical setting, and relationships of the knowledge and skills in selected areas of research and practice. Prereq: SW 8200 or permission of School.

8400 Advanced Social Work Practicum I (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8410 Advanced Social Work Practicum II (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum III (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum IV (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum V (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum VI (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum VII (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum VIII (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum IX (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum X (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum XI (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.

8420 Advanced Social Work Practicum XII (3) To provide an advanced social work practicum experience in a micro or macro social work practice setting. Prereq: SW 8170 or BSW, SW 8200 prior to or concurrent with micro placement and permission of School.
services covered are: (1) supportive services, (2) supplemental services, and (3) substitute services.

8670 The Human Ecology of Child Abuse and Neglect: An Analysis of Research and Intervention (3) This course will provide a review of existing literature on the meaning, origins and consequences of child abuse and neglect. It will emphasize research issues in child abuse and neglect, and the student will design a research project. This serves as a research course or requirement. PreReq: SW 8920.

8686 Social Work with Developmentally Delayed Children and Their Families (3) This course content will include theory, practice and social policy issues relevant to the social work practice with this client group. Special emphasis will be placed on gaining an overview and understanding of social work roles and responsibilities as they relate to the social work practice with children and families. This course will provide an overview of the general services available in our community.

8700 Alcohol Abuse: Comprehensive Treatment Programs (3) An examination of problems and treatment related to alcoholism which are common in a social work setting. Special emphasis is given to the development of social work theory and treatment alternatives and resources.

8719 Working With Minority Elderly (3) This course is an interdisciplinary one, designed to provide the student with knowledge of the culture, customs, attitudes and experiences of the older persons within four major minority groups and to enable the student to apply various service strategies and service models in their terms of relevance and effectiveness in meeting needs of the minority older client. Emphasis is placed on the elderly within four major minority groups and to enable the student to apply various service strategies and service models in their terms of relevance and effectiveness in meeting needs of the minority older client.

8726 Rural Social Work (4) Emphasis is placed on various service strategies and service models in the area of rural social work, including methods to examine various service systems and practice their implication for social service delivery systems, social policy and practice models. Pre Req: SW 8920 or permission of the instructor.

8730 Women's Issues and Sexism: A Social Work Perspective (3) This course will focus on the issues of femaleness, diversity in women's practice and their implication for social service delivery systems, social policy and practice models. Pre Req: SW 8920 or permission of the School.

8870 Social Work with Minorities (3) This course will provide the student with information on cultural, social, and economic factors that are applicable to specific minority groups. Special emphasis will be placed on gaining an overview and understanding of social work roles and responsibilities as they relate to the social work practice with minority groups. Special emphasis will be placed on gaining an overview and understanding of social work roles and responsibilities as they relate to the social work practice with minority groups.

8876 Social Work with Minorities (3) The course will provide the student with information on cultural, social, and economic factors that are applicable to specific minority groups. Special emphasis will be placed on gaining an overview and understanding of social work roles and responsibilities as they relate to the social work practice with minority groups. Special emphasis will be placed on gaining an overview and understanding of social work roles and responsibilities as they relate to the social work practice with minority groups. Special emphasis will be placed on gaining an overview and understanding of social work roles and responsibilities as they relate to the social work practice with minority groups.

8886 Women's Issues and Sexism: A Social Work Perspective (3) This course will focus on the issues of femaleness, diversity in women's practice and their implication for social service delivery systems, social policy and practice models. Pre Req: SW 8920 or permission of the School.

8900 Special Studies in Social Welfare (1-3) Special studies in a selected area of social welfare relevant for deepening the student's knowledge in that particular area. Pre Req: Permission.

8920 Seminar in Utilization and Research in Social Work (3) Emphasis is placed on the use of research in social work practice. Social and behavioral science research is discussed and interpreted. Research reports, research design, research methods, and research ethics will be reviewed. The student will complete a research project that is related to his area of concentration. Pre Req: SW 8920 or permission of School.

8960 Alcohol Abuse: Comprehensive Treatment Programs (3) An examination of problems and treatment related to alcoholism which are common in a social work setting. Special emphasis is given to the development of social work theory and treatment alternatives and resources.

19800 Alcohol Abuse: Comprehensive Treatment Programs (3) An examination of problems and treatment related to alcoholism which are common in a social work setting. Special emphasis is given to the development of social work theory and treatment alternatives and resources.

21000 Urban Anthropology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

21050/8156 Cultural Anthropology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

21200 Cultural Anthropology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

21400/8156 Cultural Anthropology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

21700 Anthropology of the United States: Introduction to Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

22000 North American Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23000 Urban Anthropology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23100/8156 Cultural Anthropology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23200 North American Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23300 North American Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23400 North American Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23500 North American Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23600 North American Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23700 North American Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.

23800 North American Archaeology (3) The course is intended to examine the city from an anthropological point of view. Included are: (1) Urban models by which cities are formed and grow as well as the internal structure and processes which will be applied to a particular city and its surroundings. Topics will include the city as a cultural phenomenon and its development and role in various parts of the city. Pre Req: SW 8920 or permission of Instructor.
4520/8526 Psycholinguistics (3) A discussion of the literature concerned with how the psychological and sociolinguistic variables play a role in determining the lexical items of language. Prereq: Psychology 3520 and Communication 1520. Preparatory Seminar in Psycholinguistics (3) A seminar for Psychology majors and graduates planning to take advanced courses in the field. Permission of the instructor is required. (Same as Psychology 4520 and Comm. 4520).

4910 Seminar in Anthropological Problems (3) This seminar will cover a specific topic which will be announced each time the course is offered. The seminar is open to all members of the senior class and graduate students in the United States and abroad. This seminar will be devoted to a study of contemporary social phenomena, including topics in the social sciences. Prereq: Permission of the instructor

4910/8910 Social Control of Behavior (3) The social processes by which the person's behavior is guided and controlled. The social environment, peer groups, and role-taking are studied. Prereq: Sociology 1010. For 8910, permission of the instructor.

4920/8920 Social Behavior and Social Control (3) The role of social factors in the development and maintenance of behavior. Prereq: Sociology 1010. For 8920, permission of the instructor.

4930/8930 Seminar in Anthropological Problems (3) The seminar will cover a specific topic which will be announced each time the course is offered. The seminar is open to all members of the senior class and graduate students in the United States and abroad. This seminar will be devoted to a study of contemporary social phenomena, including topics in the social sciences. Prereq: Permission of the instructor

4940/8940 Seminar in Semiotics (3) The study of the structural and functional aspects of signs. Prereq: Permission of the instructor.

4950/8950 Seminar in Sociological Theory (3) The seminar will cover a specific topic which will be announced each time the course is offered. The seminar is open to all members of the senior class and graduate students in the United States and abroad. This seminar will be devoted to a study of contemporary social phenomena, including topics in the social sciences. Prereq: Permission of the instructor

4960/8960 Seminar in Social Psychology (3) Topics in social psychology chosen by the instructor. Prereq: Permission of the instructor.

4970/8970 Seminar in Social Psychology (3) Topics in social psychology chosen by the instructor. Prereq: Permission of the instructor.

4980/8980 Seminar in Social Psychology (3) Topics in social psychology chosen by the instructor. Prereq: Permission of the instructor.
DEGREE REQUIREMENTS

concerned with urban problems are put on a broad interrelated focus. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under economics, geography, political science, and urban studies.)

8850 Seminar in Urban Economics (3-6) An examination of the theoretical basis for the analysis of urban economic problems with emphasis upon the policy alternatives applicable toward their possible solution. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under economics, political science and urban studies.)

116 DEGREE REQUIREMENTS

TEACHER EDUCATION

PROFESSIONS: Algerson, R. Berg, Bussem, Cohnenbery, Freund, Glidden, Grandgevert, Harmon, Howell, Jamin, Lefler, Sander, Selee, Ziebarth

ASSOCIATE PROFESSIONS: Albertson, Bresler, Dick, Holquist, Katz, P. Kulas, Langan, Norwood, Parrell, Van Every

ASSISTANT PROFESSORS: K. Smith, Taylor v Vigil

The Department of Teacher Education offers graduate degrees in Elementary Education, Reading, Secondary Education and Urban Education. In addition, graduate concentrations are available leading to certification or endorsement in Educational Media, Gifted Education, Vocational Education and Special Vocational Needs.

Admission Requirements

The requirements for unconditional 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 each):
   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, Quantitative and Advanced Test in Education
   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 unclassified graduate students. Normally, no more than six hours taken as an unclassified student may be transferred into a graduate degree program.

Elementary Education

Master of Arts

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 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.

Master of Science

Degree Program

1. Required Courses
   TED 8010 Introduction to Research
   21 hours

2. Electives
   36 hours

3. Total Hours (minimum)
   57 hours

4. Master's Theses

Reading

Master of Science

The Master of Science degree with a major in reading conforms to standards of the International Reading Association for the professional training of Reading Specialists. Upon successful completion of the program, the student is recommended for K-12 endorsement in reading in Nebraska.

1. 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
   18 hours

2. Related Professional Courses
   TED 9180 Seminar in Research in Reading
   SPED 8130 Diagnostic and Remedial Instruction in Reading
   SPED 8140 Measurement and Evaluation of Reading
   SPED 8150 Clinical Practice in Reading
   6 hours

3. Related Professional/Academic Courses
   Including Introduction to Research and selected work in such areas as instruction and general education, teacher education, special education, and psychology.
   12 hours

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.

Master of Arts

1. Required Courses
   TED 8010 Introduction to Research
   TED 8030 Seminar in Education: Secondary
   TED 8330 Analysis of Teacher Behavior
   TED 8410 Improvement of Instruction
   TED 8430 School Curriculum Planning
   6 hours

2. Master's Thesis
   9 hours

Master of Science

1. Required Courses
   TED 8010 Introduction to Research
   TED 8030 Seminar in Education: Secondary
   TED 8330 Analysis of Teacher Behavior
   TED 8410 Improvement of Instruction
   TED 8430 School Curriculum Planning
   6 hours

2. Master's Thesis
   9 hours
Teacher Education

4070/8076 Education for the Uncertain Tomorrows (3) It is the intent of this course to offer educators the opportunity to become aware of the many factors in the field of future studies, the tools available to futurists, the protections for education in an uncertain, future-oriented, changing world, and how they can do a course on future studies, the tools available to futurists, the protections for education in an uncertain, future-oriented, changing world, and how they can incorporate future into their personal and professional lives.

4060/8066 Mental Health for Teachers (3) A study of the principles and practices conducive to good mental health in the classroom. Major emphasis will be placed on the teacher's role in providing an environment which will foster learning by relating to others and learning about oneself. Secondary emphasis is placed upon communication phenomena and the interpersonal characteristics and structures associated with mental health.

4210/8215 Creating Wise Free Classrooms (3) This course is designed to develop practicing teachers' awareness of and skill in meeting student needs in the areas of human understanding, acceptance and value. Students will examine existing classroom approaches toward various minority groups such as racial, ethnic, age, sex, etc. School materials and activities will also be examined in the light of appropriate learning materials for children from three to eighteen years of age.

4240/8246 Growth and Learning Problems of Disadvantaged (3) An intensive study designed to help teachers develop a better understanding of child development and learning problems of disadvantaged children and youth. Prereq: Senior standing.

4240/8246 Parent Involvement in Early Childhood Education (3) This course is designed to help parents and teachers work together in the education of young children. The course will examine the purposes and methods of several approaches to parent-teacher relations and help parents and teachers develop skills which will enable them to work effectively with parents. The course will examine the purposes and methods of several approaches to parent-teacher relations and help parents and teachers develop skills which will enable them to work effectively with parents.

4270/8276 Current Trends in Early Childhood Education (3) This course is intended for persons with an interest in the area of early childhood education and its current status at the local, national and international levels. Prerequisite: Admission to teacher education. Core 1500, TED 2250, or Graduate Standing.

4280/8286 Patterns of Care in Early Childhood Education (3) Exploration of contemporary care programs for young children and their families. Prerequisite: Admission to teacher education. Core 1500, TED 2250, or Graduate Standing.

4290/8296 Learning Materials for Early Education (3) This course is designed to acquaint students with the types and sources of print and nonprint materials available for use by young children. Prerequisite: Admission to teacher education. Core 1500, TED 2250, or Graduate Standing.
1180 Conflict and Controversy in Urban Edu­
cation (3) A course designed for students who
wish to keep abreast of current educational is­
sights and the teaching profession in an urban
milieu. Topics issues.
1190 Anthropology and Urban Education (3)
This course is designed to examine educa­
tional transmission, contributes to and is in­fluenced by changes in the society and the
underlying cultural and scientific perspective of the process.
Prereq. Graduate standing.
8130 Field Research Techniques in Urban Edu­
cation (3) The basic purpose of this course is
to give students an opportunity to design and
conduct field research in order to understand and
analyze the urban educational environment. The
course will culminate in the completion of an
urban educational field study. Prereq. Graduate
standing. 8410 Introduction to Research
8010 Introduction to Research (3) To ac­
quire the beginning graduate student with the
research skills needed to pursue a career in
research, to enable the student to read, evaluate and apply research re­
results and techniques; to give some understanding of the meaning and spirit of research; to give some experience in studying and preparing research re­
ports.
8020 History and Philosophy of Education
8020 History and Philosophy of Education
8120 History of Philosophy of Education (3) This course is designed to provide a critical presenta­
tion of the central issues in both historical and philo­
sophical, for understanding education in the United States. The course examines critically the evolution of educa­
tional thought and practice from the Colonial era to the present U.S.
8130 Seminar in Supervision of Student Teaching (2) The seminar is designed for experi­
cenced teachers who are or may be serving as course supervisors, and who desire to study the
aims, procedures, trends and development of student teaching.
8200 Current Issues and Trends in Educa­
tion (3) Designed as an advanced study for the
purpose of exploring current issues and trends
8200 Economic Education (3) A study and
examination of educational economics, economic
principles, teaching methods and curriculum materials, and how they
can be related to the teacher's classroom pre­
paration. This course is designed to furnish the K­
12 teacher with sufficient background and under­
sanding to aid in the recognition of economic is­
sues and the teaching of economic concepts and
principles. Open to any graduate student with no
previous college work in economics who is teach­
ing at the elementary or secondary level.
8100 Research Project (1-3) Individual or group
study and analysis of specific problems in schools.
Topical problems will be concerned with curriculum and instruction in areas such as confi­
level. Prereq. Graduate standing and department­

8110 Introduction to Multicultural Edu­
cation (3) This course introduces the concept of
multicultural education to the student and
involves a study of the awareness of cultural and ethnic
minorities. The course addresses the teacher­

coordinator and the educational coordinator,
with special emphasis upon local administra­
tion, to gain a part-time cooperating program
analysis of the laws and regulations governing this program
8000 Special Studies (1-3) A series of intensive
courses especially for teachers in service scheduled as
regular seminars, or workshops, according to
preparation. Prereq. Graduate standing and depart­
ment approval.
8530 Automated Information Systems (3) To examine the historic, current, and future trends of automated information systems, to ascertain the flow of information through a retrieval system; to introduce vocabulary, methodology, theories and techniques utilized in operating automated systems, criteria for evaluation and selection of automated retrieval systems and services. Prereq: Graduate Standing.

8550 Using Microcomputers in the Educational Process (3) This course is designed to enable teachers, administrators, and other school personnel to understand what microcomputers are and how they can be applied to the educational process. Elements of computer terminology, programing, and applications will be considered along with philosophical aspects of man/machine relationships. The course is not intended for persons with a background in computing or programming. Prereq: TED 8540. Graduate Standing.

8550 Enhancing Instruction with Microcomputers (3) This course examines the ways in which microcomputers can be used to improve curriculum offerings and enhance instructional activities in elementary and secondary schools. Course enrollees will review their own 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 needs. Prereq: Graduate standing.

8560 Developing Microcomputer Instructional Courses (3) This course is designed for teachers and other educational personnel who wish to design instructional software for microcomputer. The concepts of task analysis, multimedia, computer graphics, student-computer interaction, evaluation and writing support materials are considered. Various software systems will also be examined. Prereq: TED 8540 or equivalent or familiarity with the BASIC language. Graduate Standing.

8580 LOGO and the K-12 Curriculum (3) This course is intended for elementary and secondary teachers. It provides an introduction to the LOGO language for microcomputers and its applications to the K-12 curriculum. The history, philosophy, and tectographics operations of LOGO are considered with particular emphasis placed on implementing LOGO into the various areas of the elementary and secondary school curriculum. Prereq: Graduate Standing. No previous computer knowledge or 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 will gain a better understanding of handicapped and disadvantaged students. Prereq: Admission to Graduate College.

8830 Curriculum Construction for Adult and/or Special Needs Students (3) Designed for teachers, supervisors, coordinators, and administrators who are working with adult learners and special needs learners. The course includes principles, needs, factors, and trends that should be considered in developing curricula to meet the needs of special populations. Prereq: TED 8890. Introduction to Vocational Special Needs Students.

8840 Career Exploration & Occupational Readiness for the Special Needs Student (3) The course involves the processes of diagnosing students' needs in order to place them in an appropriate learning environment. Students will learn about identifying characteristics of giftedness, analyzing associated problems, examining relevant research, and relating these to the overall education of gifted individuals. Prereq: Admission to Graduate College; one year teaching experience.

8900 Administration & Supervision of Adult/Vocational Education (3) Basic concepts for administration and supervision of vocational education, as related to the needs of the superintendent, principal, supervisor. (Same as TED 8920) Prereq: TED 8880. Introduction to Vocational Special Needs.

9110 Principles and Practices in Elementary Reading (3) This is a beginning graduate course for both elementary and secondary teachers. The course is open to any student who has graduate standing. Major emphasis will be given to the administration, evaluation, and methods and materials for teaching reading from Kindergarten through Grade 8. There are no prerequisites except graduate standing.

9120 Teaching Reading in the Secondary School (3) An advanced course in reading for elementary or secondary teachers. Major emphasis will be given to the administration, organization, evaluation, and methods and materials for the teaching of reading in each of the content subjects at the junior and senior high levels. Prereq: TED 8910 or equivalent, and permission.

9170 Seminar in Organization and Administration of Guidance 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, organization, and major research related to different area reading authorities will conduct this seminar. Prereq: One graduate reading course or permission.

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 taken. Each student will conduct self-initiated research and report the results of the activity to other class members for comment and evaluation. Prereq: One graduate reading course (or equivalent) TED 8920 (or equivalent), and permission.

9360 Seminar in Applications of Non-Verbal Communication Theory (3) The course is intended for graduate students in the field of non-verbal communication and research on the development, facilitation and barriers of human non-verbal interaction. Analysis of human-nonverbal interaction with specific applications to education, business, supervision, counseling, therapy and interpersonal speech communication. (Cross listed as Psychology 9360) Prereq: Graduate Standing 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.

Industrial Systems Technology
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 Language 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 (HOF, Nutr. Mgt. or TCD) for those pursuing programs in other discipline. The minor portion should be determined in consultation with the home economics advisor. Upon completion of these requirements, a student may be granted a minor in Home Economics. UNO courses may also be used to satisfy requirements.

Admission to the graduate programs may be determined in consultation with the graduate advisor in Home Economics. Home Economics course offerings at UNO are taught on a regular basis.
**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 Dean of the appropriate department in Lincoln. Staff in the Omaha Program 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 area offers 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 its equivalent. The undergraduate work must have included the equivalent of 24 hours in Home Economics, distributed in at least three subject-matter areas and at least 8 hours in Social Sciences. Additional hours must be included in at least one of the three departments. Undergraduate work must have been completed within the last 10 years and must be renewed at the time the degree is proposed. At least 6 hours of the remaining work must be completed in one or more of the subject-matter areas other than the major one. Additional supporting courses to complete the program may be required in one of the departments.

**Human Nutrition and Food Service Management — Candidates for the Master of Science degree in Human Nutrition and Food Service Management must hold a Bachelor of Science degree or a Bachelor of Arts degree from an accredited college and have completed undergraduate preparation equivalent to that required in the Basic General Education Core in Home Economics plus at least 10 hours of credit in courses in Biochemistry, Microbiology, and for the purpose of fulfilling this requirement, courses in the Social Sciences, including at least 9 hours in the Natural and 6 hours in the Social Sciences.**

**Human Development and the Family — Candidates for the Master of Science degree in Human Development and the Family must hold a Bachelor of Science or a Bachelor of Arts degree from an accredited college and have completed undergraduate preparation equivalent to that required in the Basic General Education Core in Home Economics plus a major of at least 18 hours exclusive of degree courses in Human Development and the Family or the equivalent from Psychology, Educational Psychology, or Sociology.**

**Textiles, Clothing, and Design — Students may qualify for study in this area by presenting a bachelor’s degree from an accredited institution and by completing a minimum of 24 hours of undergraduate coursework beyond the freshman level in Textiles, Clothing and Design or equivalents in one or more of the following areas: Textiles, Fashion Design, or Interior Design.**

**Education and Family Resources — Education and Family Resources is included in the Interdepartmental area.**

**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.

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**Art**

**Studio Art**

**Art 400/8006 Special Studies in Art Education**

This course is designed for intensive study in selected areas of student’s choice. Permission of instructor required.

**Art 8316 Advanced Sculpture**

This advanced course is designed for intensive study in selected areas of student’s choice. Permission of instructor required.

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**Chemistry**

All courses cited or prerequisites for enrollment in Chemistry must be completed with a grade of “C” or better.

**3350/3855 Physical Chemistry (3)**

A presentation of selected topics from the areas of classical and modern chemistry, including: thermodynamics, statistical mechanics, quantum mechanics, spectroscopy, kinetics, and statistical mechanics. Prereq: Chemistry 2210, 2224, 2227, 2400, 2404, 3520.

**3354/3859 Physical Chemistry Laboratory (1)**

Chemistry 2260, 2264, or 2274. Prereq: Chemistry 2250, 2260, 2264, 2404, Physics 2120, Math 2690.

**3360/3865 Physical Chemistry (3)**

A presentation of selected topics from the areas of quantum mechanics, spectroscopy, kinetics, and statistical mechanics. Prereq: Chemistry 3350, 3354.

**3364/3869 Physical Chemistry Laboratory (1)**

Physical Chemistry 2260, 2264, 2404. Prereq: Chemistry 3360, 3365.

**3400/8015 Instrumental Analysis (2)**

This course is designed for intensive study in selected areas of student’s choice. Permission of instructor required.

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**Radiochemistry Laboratory**

**3704/8709 Radiochemistry Laboratory (1)**

Work in radiochemistry laboratory, including papers on the chemistry and physics of radioactive substances. Prereq: Chemistry 3700, Chemistry 3360, or Graduate standing in Chemistry, Physical Chemistry, or Nuclear Physics. (Physical Chemistry may be taken concurrently.)

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**3720/8720 Organic Chemistry (2)**

For advanced work in organic chemistry. Permission of instructor required.

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**3930/8936 Special Topics in Chemistry (1-3)**

Courses may be taken concurrently. Prereq: Chemistry 2260, 2400. Some topics will require more advanced prerequisites and are intended for advanced coursework in Chemistry. (Physical Chemistry may be taken concurrently.)

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**9990/8990 Chemistry Problems (0)**

Independent study. Permission of instructor required. The student must present a term paper on the
not in some sector for maximum of six semester hours total. Prereq: Permission of instructor.

4960/8966 Pro-Seminar (1-3) A detailed study of narrower facets of literature, language, or culture. Prereq: Permission of the instructor.

Home Economics

Human Nutrition and Food Service Management

8400 Advanced Foods (3) Chemistry of food, an examination of the objective and subjective methods of evaluation of food quality and characteristics. Prereq: HNFM 2410, 12-14 hours natural science or permission of instructor.

8500 Advanced Nutrition (3) Biochemical and physiological aspects of normal nutrition (offered summer session only) alternate with HNFM 8520. Prereq: Biochemistry or permission of instructor.

8520 Clinical Nutrition (1-5) Normal nutrition considered in relation to the deviations which may occur in those diseases commonly treated by diet. (A) Lecture (3); (B) Research laboratory (1-2) 1 credit required in some HNFM options; may be taken concurrently with or independently of 4520A/8520A, (C) Diet Writing Laboratory (1) only offered concurrently with 4520A/8520A. Prereq: HNFM 4500 or permission of instructor.

4530/8530 Cultural Aspects of Diet (3) Cultural approach to development of the dietary patterns of various population groups. Factors involved in food habit alteration. Offerted alternate years only. Prereq: Food 2610, 9 hours social science or permission of instructor.

8550 Nutrition Throughout the Life Cycle (3) Influence of normal physiological stress throughout the life span including pregnancy, lactation, growth, and aging on nutritional requirements. Prereq: 3 hrs HNFM, 3 hrs HNVE, 2 hrs natural science or permission.

8700 Quantity Food and Equipment (3) Observation and practice in institution food departments. Experience in preparation and service of food, use of equipment, menu planning and food cost accounting. Prereq: HNFM 1500, 2420, or permission of instructor.

9530 Ecology of Malnutrition (3) Fundamental principles underlying the current world malnutrition problems. Investigation of projected future problems and schemes for their prevention or solution. Prereq: FN 8500 and 8530, or permission of instructor.

Philosophy

Philosophy

3050/8051 The Philosophy of Space Exploration (3) This course deals mainly with the utilization of space exploration in the face of conflicting needs. Topics to be studied include: objects to the space program and responses to them, spatial benefits, space industrialization, util-

815 Current Topics in Science (1-3) The subject matter of this course will generally not be presented in a standard physics course and may be of an interdisciplinary nature. The specific topics 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 magnetostatics as well as a.c. theory. Prereq: Calculus, Physics 2520, or permission.

3760/8765 Electricity and Magnetism II (3) A course in electrostatics. Topics include Maxwell’s equations and methods for their solution: boundary conditions, as well as energy, momentum, and transformations of the fields. Prereq: Physics 3750.

3850/8855 Thermodynamics and Statistical Mechanics (3) The topics of thermodynamics include various equations of state, first and second laws of thermodynamics, thermodynamic potentials and their use. In addition, an introduction to classical statistics, Bose-Einstein and Fermi-Dirac statistics as well as transport phenomena is given. Prereq: Calculus and Physics 2520 or 2525.

4350/8356 Astrophysics (3) Physics and theory of the physical characteristics, distribution, and space motion of stars and stellar systems: internal structure, evolution, and death of stars structure of similar astrophysical objects, interstellar matter and general relativity: structure and origin of the universe. Prereq: Physics 2510 or 2512 and Calculus I and II (Phys 1350 is helpful).

4950/4960/8956-8966 Problems in Physics (Each 1-3) Individual laboratory and/or library work in some field of energy, Prereq: General physics and permission of instructor. For 4960-8960 and permission of instructor.
## UNIVERSITY ADMINISTRATION

**Chancellor**
Del D. Weber

**ACADEMIC AFFAIRS**
Ole F. Buset, Vice Chancellor for Academic Affairs
John T. Faro, Assistant Vice Chancellor
Elaine Hess, Associate Vice Chancellor

Marilyn Leach, Coordinator, Center for Improvement of Instruction
Jim Maynard, Director, Institutional Research
Rosalie Saltman, Coordinator, Honors Program

**THE COLLEGES AND LIBRARY**
University of Nebraska at Omaha

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**Arts and Sciences**
John M. Nuxton, Dean
Robert Carlson, Chairperson, Communication
Kenneth Dierenfield, Chairperson, Psychology
John Maloney, Chairperson, Mathematics and Computer Science
Charles R. Gildersleeve, Chairperson, Geography-Geology
Thomas Gutierrez, Director, International Studies and Programs; Director, Center for Afghan Studies
Gordon D. Hansen, Associate Dean
Margie Wicoff, Assistant Dean
Barbara Hayhoe, Chairperson, Biology

**Business Administration**
Larry R. Truett, Dean
David M. Ambrose, Chairperson, Marketing
Robert E. Bernier, Director, Nebraska Business Development Center
Frank S. Forbes, Chairperson, Accounting
J. Brad Chapman, Associate Dean

**Continuing Studies**
Alan S. Hackel, Dean
Larry Winkler, Director, Division of Academic Programs

**Academic Affairs**
Larry B. Piipin, Dean
Larry M. Albertson, Chairperson, Teacher Education
Carl Ashbaugh, Associate Dean
Michael Brawner, Director, School of Health, Physical Education and Recreation

**Development Center**
David L. Shuler, Dean
Thomas Majek, Chairperson, Art
Roger Friz, Chairperson, Music

**Afghan Studies**
Brad Stone, Chairperson, Communication Programs; Director, Center for Programs

**Geography-Geology**
John M. Nuxton, Dean

**Academic Improvement**
Russell F. Bolles, Director, Center for Applied Urban Research
Burton I. Reed, Chairperson, Public Administration
Vincent Weh, Chairperson, Criminal Justice

**University Library**
Joseph A. Starns, Assistant to Director
Thaddeus Tonn, Chairperson, Library Reference Department

**University of Nebraska-Lincoln**

**Engineering and Technology**
Kenneth G. Marth, Chairperson, Industrial Systems Technology
Charles Sedlacek, Chairperson, Electronics Engineering Technology

**Home Economics**
Karen Craig, Dean

**BUSINESS AND FINANCE**
Gary L. Cartee, Vice Chancellor
Julie Trotter, Assistant Vice Chancellor for Business and Finance, and Director of Finance

**EDUCATIONAL & STUDENT SERVICES**
Richard E. Hoover, Vice Chancellor
Joe Davis, Assistant Vice Chancellor, Student Development Services
Donald Shoehan, Assistant Vice Chancellor and Director of Student Center

**Fine Arts**
Arthur Homer, Chairperson, Writers Workshop
Douglas Peterson, Chairperson, Dramatic Arts

**Public Affairs and Community Service**
Russell Smith, Director, Center for Applied Urban Research
Burton I. Reed, Chairperson, Public Administration
Vincent Weh, Chairperson, Criminal Justice

**University Library**

**Business and Finance**
Neal A. Mengenis, Assistant Vice Chancellor for Business and Finance, and Director of Facilities, Management and Planning
Rodney L. Obrie, Director, Personnel Services

**EDUCATIONAL & STUDENT SERVICES**
Phillip J. Strews, Director, Financial Aid
Ronald L. Pullen, Director, Audio Visual
William Gerbracht, Registrar
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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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