### ACADEMIC CALENDAR

#### First Semester 1983-84

- **July 8**: Last day for submitting credentials for admission to Graduate Studies for First Semester 1983-84.
- **July 11-Aug. 26**: Orientation.
- **Aug. 22, 25, 26**: Last day for submitting credentials for admission to an undergraduate college for the First Semester 1983-84.
- **Aug. 29, 30**: Registration (Fieldhouse).
- **Sept. 2**: First semester begins at 7:00 a.m. both day and evening classes.
- **Sept. 5**: Change of class schedules. 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. 6 - 8**: Vacation; no classes. University closed.
- **Sept. 9**: Due; Mid-term (8th week) report from faculty of grades under C for all undergraduates.
- **Sept. 10**: 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.
- **Sept. 11**: Thanksgiving vacation; no classes. University closed.
- **Sept. 12**: Classes resume at 7:00 a.m.
- **Sept. 13**: Status report for all prospective graduating students due in Registrar’s Office by
  12:00 noon.
- **Sept. 14**: Last day for filing applications for degrees to be conferred in December.
- **Sept. 15**: Last day of Classes.
- **Sept. 16**: Commencement. Last day for submitting credentials for admission to Graduate Studies for Second Semester 1983-84.
- **Sept. 17**: Last day of Classes.
- **Sept. 18**: Inter-session.
- **Sept. 19**: Special course offerings.

#### Second Semester 1983-84

- **Jan. 2**: Holiday. University closed.
- **Jan. 3**: Holiday. University closed.
- **Jan. 9-13**: Orientation.
- **Jan. 14**: Registration (Fieldhouse).
- **Jan. 16**: 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.
- **Jan. 17**: Due; Mid-term (8th week) report from faculty of grades under C for all undergraduates. Also last day for filing applications for degrees to be conferred in May.
- **Jan. 18**: Change of class schedule. 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.
- **Jan. 19**: Spring vacation; no classes.
- **Jan. 20**: Classes resume at 7:00 a.m.
- **Jan. 23**: Last day for submitting credentials for admission to Graduate Studies for the Evening Summer Session 1983-84.
- **Jan. 25-April 1**: Spring Break.
- **April 6**: 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 17**: Last day of Classes.
- **April 18**: Commencement. Last day for submitting credentials for admission to Graduate Studies for the Spring Semester 1984.
- **April 19**: Status report for all prospective graduating students due in Registrar’s Office by
  12:00 noon.
- **May 1**: Last day of Classes.
- **May 2**: Commencement.
- **May 4-11**: Last day for filing applications for degrees to be conferred in May.
- **May 12**: Memorial Day; University closed.
- **May 13**: Inter-session.
- **May 14**: Special course offerings.
- **May 15**: Last day of Classes.
- **May 16**: Honors Day.
- **May 17**: Last day of Classes.
- **May 18**: Inter-session.
### UNIVERSITY OF NEBRASKA AT OMAHA

May 14-July 6  
May 25  
June 6-7  
June 11-July 13  
June 7  
June 11,12,13  
July 4  
July 6  
July 11-July 13  
July 4  
July 6  
July 16-Aug. 17  
Aug. 3  
Aug. 18  
Aug. 22  
**Summer Session 1984**  
Last day for submitting credentials for admission to an undergraduate college.  
Registration.  
Change of class schedule.  
Last day for submitting credentials for admission to Graduate Studies for the Second Summer Session 1984.  
Last day for filing applications for degrees to be conferred August 18, 1984.  
First Summer Session.  
First Summer Session.  
Second Summer Session.  
Second Summer Session.  
Status report for all prospective graduating students due in Registrar’s Office by 12:00 noon.  
Summer Commencement.  
Final grades due in Registrar’s Office by 12:00 noon.

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### DEPARTMENTS OFFERING GRADUATE INSTRUCTION

Departments or areas which have been approved to offer courses for graduate credit and the degrees available in each department are as follows:

<table>
<thead>
<tr>
<th>DEPARTMENT OR AREA</th>
<th>Minor Only</th>
<th>Master of Arts</th>
<th>Master of Science</th>
<th>Other</th>
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*The above dates are subject to change. Modifications to the academic calendar could be necessitated by emergency conditions.

**Certificate** obtained in conjunction with the Psychology Program.

*Ph.D* in the specialties of industrial psychology and developmental psychology offered in conjunction with the Psychology Program.

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### Master of Arts

- ED.S.
- MPA
- MSW

### Other

- 6th Yr. Certificate and Ed.S.
GENERAL INFORMATION

GRADUATE STUDIES AT UNO

The first Master's degrees were awarded in 1919 by a special vote of the Board of Regents of the "old" University of Omaha. In 1932, after the University became the Municipal University of Omaha, a Graduate Committee was organized to supervise graduate education. In 1942, the Graduate Committee was replaced by the Committee on Graduate Studies. The degree Master of Science in Education was approved in 1948. In 1954, the Committee on Graduate Studies became the Graduate Council and the Chairman became the Director of the Graduate Division. In 1960, the Board of Regents authorized a year of graduate study in education beyond the Master's degree. The Master of Business Administration was authorized in 1965 and the Master of Public Administration was authorized in 1970.

Recognizing the growing importance of graduate education, the term "Graduate Division" was authorized in 1949. In October, 1962, the Board of Regents established the College of Graduate Studies as the sixth college of the University of Omaha. In 1966, the name was changed to The Graduate College.

In 1973 the Graduate Colleges on the separate campuses were merged into one Graduate College of the University of Nebraska with one Graduate Faculty. The College is administered by a Dean of the Graduate College. The former campus Deans of the campus Graduate Colleges became Deans for Graduate Studies and Research and report to the Dean of the Graduate College.

Graduate studies provide the opportunity for more advanced education than the undergraduate work upon which all graduate programs are founded.

Qualified students at UNO are provided with opportunities:

1. To work toward these degrees: Master of Arts, Master of Arts for Teachers of Mathematics, Master of Professional Accounting, Master of Science, Master of Business Administration, Master of Public Administration, Master of Social Work, and Specialist in Education.

2. To earn graduate credit for the issuance or renewal of certificates for teachers, administrators and educational psychologists.

3. To provide for scholarly and professional advancement.

To enable the student to attain these objectives, Graduate Studies at UNO provide graduate courses, workshops, institutes, seminars, practice, research and special problems courses, and the supervision of theses or special projects. Thus the Graduate Faculty at UNO promotes 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. The UNO Graduate Council consists of fifteen members from among the Graduate Faculty and student body. The Council serves in an advisory capacity to the Dean for Graduate Studies and Research and is responsible for planning and policy development, review of courses and programs, and faculty and student affairs.

ACCRREDITED 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, and the American Chemical Society. 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.

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION POLICY STATEMENT

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

The University of Nebraska at Omaha declares and reaffirms a policy of administering all of its educational programs and related supporting services and benefits in a manner which does not discriminate because of a student's or prospective student's race, color, creed or religion, sex, national origin, age, handicap, or other characteristic which cannot be lawfully the basis for provision of such services. These programs, services and benefits include, but are not limited to, admission, class assignments, scholarships and other financial and employment assistance, counselling, physical education
in the provision of educational and related services, and to establish organizational structures and procedures which will assure equal treatment and equal access to the facilities and educational benefits of the institution for all students.

Pursuant to this policy statement, UNO will undertake a continuing program of compliance with all federal, state, and local laws relating to equal educational opportunity and affirmative action, specifically those addressing the obligations of the institution under Title VI of the Civil Rights Act of 1964 as amended, Title IX of the Education Amendments of 1972, and Sections 503 and 504 of the Rehabilitation Act of 1973.

Title IX Coordinator
Title IX of the Educational Amendments of 1972 is a law forbidding discrimination based on sex. If you have any complaints concerning sexual discrimination, that is University related, you should contact Dr. Richard E. Hoover, Vice Chancellor for Educational and Student Services. Dr. Hoover is also the Title IX Coordinator. Dr. Hoover’s office is located in Room 211, Eppley Administration Building, 554-2779.

Handicapped Students and Title 504
The University of Nebraska at Omaha adheres to equal opportunity and affirmative action. The University does not discriminate against the handicapped. If a student feels he/she has been discriminated against because of a handicapping condition, he/she should contact the 504 Coordinator, Dr. Richard E. Hoover, Room 211, Eppley Administration Building, 554-2779, or Ms. Barbara Hewins-Maroney, Coordinator for Special Programs, Room 117, Eppley Administration Building.

Most University programs, services and activities are accessible to the handicapped. The University is willing where possible, to make inaccessible programs, services and activities available to handicapped persons by relocating them or by other means. In accordance with Section 504 of the Rehabilitation Act of 1973, the University is willing where possible, to make inaccessible programs, services and activities available to handicapped persons by relocating them or by other means.

DISCRIMINATION AND SEXUAL HARASSMENT POLICY STATEMENT
The University of Nebraska at Omaha reaffirms its desire to create an environment for all students and employees that is fair and reasonable — an environment which is based on one’s ability and performance. To that end, it is the policy of the University of Nebraska at Omaha that any form of discrimination, harassment, sexual harassment, or sexual assault on the basis of sex shall not be tolerated. Appropriate corrective action will be taken in those instances where it is determined that a student or employee has been sexually harassed and that the University’s Title IX policy has been violated. This policy is in keeping with federal employment and educational opportunity guidelines.

Priveacy Act
In compliance with the Family Education Rights and Privacy Act of 1974, the University of Nebraska at Omaha guarantees students access to official records directly related to students and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading, or otherwise inappropriate. The University also reserves the right to alter policies, practices, and requirements as it deems necessary, but also to be sensitive to the needs of students.

The University will make a good faith effort to ensure that all student records are maintained confidentially. This includes the procedures for the handling of student data and the computer systems that store and use student data.

Admissions
Applications for admission, together with transcripts, must be filed not only by those students desiring to work for a degree, but also by those desiring graduate credit for a renewal of a teacher’s certifying to work for a degree, but also by those desiring graduate credit for a renewal of a teacher’s certificate for professional development, and for graduate credit to be transferred to some other school certificate, for professional development, and for graduate credit to be transferred to some other school.

Students should be aware that they are expected to fulfill the requirements of all regulations and requirements as they apply to their major program.

The Graduate College reserves the right to alter policies, practices, and requirements as it deems necessary, but also to be sensitive to the needs of students.

UNIVERSITY REGULATIONS
The University and its various colleges, divisions, and departments reserve the right to change the regulations controlling admission to, instruction in, and graduation from the University or its various divisions. Such regulations are operative whenever the University authorities deem necessary and apply not only to prospective students but also to students of sex that have been enrolled.

The University reserves the right to withdraw courses, to reassign instructors, and to change tuition and fees at any time.

The Graduate College reserves the right to alter policies, practices, and requirements as it deems necessary, but also to be sensitive to the needs of students.

Student’s rights: Students have the right to receive a copy of the University’s regulations and requirements. These rights are in addition to the rights of the student to receive a copy of the University’s regulations and requirements.

The student is advised to be familiar with the academic regulations of the University and graduate studies and is expected to fulfill the requirements of the University, as well as the requirements of the University’s graduate program.

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

DEGREE PROGRAMS
All graduate degrees are awarded by the University of Nebraska system, with each campus having the responsibility of establishing and maintaining individual standards and requirements.

UNIVERSITY OF NEBRASKA AT OMAHA

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

Option I. A 30 semester-hour program (including at least six hours of thesis and a minimum of twenty-four semester 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
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 Degree
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 Public Administration Degree
This is a professional graduate degree designed to provide broad educational experience for students who wish to assume positions of responsibility in public service.

Master of Professional Accounting
The objective of the MPA program is to provide an educational experience as a basis for a career in professional accounting.

Master of Social Work
The Master’s degree in social work is a professional degree which provides knowledge, values and skills enabling the practitioner to intervene in behalf of individuals, families, groups, and societal systems.

Specialist in Education Degree
The Specialist in Education degree (Ed.S.) is an advanced degree, involving a minimum of one year of study beyond the Master’s degree. It is designed to offer additional study for professional educators.

UNIVERSITY OF NEBRASKA AT OMAHA

Admission and Transcripts
Applications for admission, together with transcripts, must be filed not only by those students desiring to work for a degree, but also by those desiring graduate credit for a renewal of a teacher’s certificate, for professional development, and for graduate credit to be transferred to some other school certificate, for professional development, and for graduate credit to be transferred to some other school.

Foreign students must provide letters of recommendation, statements of financial independence, and evidence of ability to speak and write the English language. The baccalaureate degree must have been received from an institution accredited by the proper accrediting agency of the country in order to evade
12 UNIVERSITY OF NEBRASKA AT OMAHA

(1) An application for graduate study at the University of Nebraska at Omaha is required. Students and all other materials to be submitted in support of an application become the permanent property of the University and will not be returned. (Graduates of the University of Nebraska at Omaha need not submit transcripts.)

(2) Scores on the GMAT which should accompany the application for admission to the Master of Business Administration program.

(3) Given the fact that the fall, spring, and summer terms vary in length, the Graduate Office reserves the right to change the Graduate study, and the granting of a degree.

ADMISSION FEE - GRADUATE

An "Admission Fee-Graduate" of $10.00 is required of all first-time graduate students admitted. This fee is collected when the student registers for graduate courses for the first time and is not refundable.

EXAMINATIONS FOR GRADUATE STUDENTS

Three examinations: the Graduate Record Examination, the Graduate Management Admission Test for business school, and the Miller Analogies Test, are used by various departments to provide valuable evidence of a student's abilities.

These tests are given as part of the requirements for admission to the Graduate Record Examination, Miller Analogies Test or Graduate Management Test. The above criteria are in addition to any requirements established by individual departmental graduate committees.

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CLASSIFICATION OF ADMISSION

In order to receive graduate credit for courses taken at the University of Nebraska, a student must have been admitted to graduate study. Applications for admission to programs are available from the Dean for Graduate Studies and Research. The completed applications, together with the necessary credentials, will be forwarded to the cognizant Graduate Program Committee for review and recommendation. All applications for admission are subject to the approval of the Dean for Graduate Studies and Research.

There are three regular classifications of admission:

I. Unconditional

Unconditional admission to graduate study may be granted to a student who has a Bachelor's degree from a regionally accredited institution, who has earned at least a B average in the graduate work in his proposed graduate major, who has a 3.0 average in the graduate work in his proposed graduate minor, and who has a 3.0 average in the graduate work in his proposed graduate research.

II. Provisional

Provisional admission may be granted to a student who has a Bachelor's degree from a regionally accredited institution and who has not completed all of the requirements for admission to graduate study. This provision is granted at the first time the student has met all of the requirements for admission to graduate study.

Provisional admission may occasionally be granted to a student who has less than a B average in the undergraduate work in his proposed graduate major and minor (but in no case less than a C average), upon recommendation of the Dean for Graduate Studies and Research. This admission may be granted for reasons of maturity, experience, or other circumstances under which the student may be deemed capable of high-quality graduate study. Provisional admission will not be extended beyond the first twelve hours of graduate study without the recommendation of the Dean for Graduate Studies and Research.

III. Unclassified

Unclassified admission is available in some departments for students who:

1. Are taking courses for professional growth or personal interest, but do not intend to pursue an advanced degree.
2. Are enrolled in an advanced degree program at another institution and wish to transfer credits earned at that institution.
3. Are working toward certification, additional endorsement, or renewal of certification in Education.

Information on the availability of this option may be obtained from the Department of Education or from the Office of the Dean for Graduate Studies and Research.
Entrance examinations are not required for the Unclassified Admission. The MBA program does not admit students in the Unclassified category. Students wishing to enroll under the Unclassified designation must obtain, each semester, the signature of a qualified adviser from each of the departments in which such courses are to be taken. The Quality of Work standards will apply to all coursework taken under the Unclassified status, just as if all such courses were included in a graduate plan of study.

Students who have enrolled under the Unclassified designation and who subsequently decide that they wish to pursue a graduate degree must complete and file a Request for Change form with the Graduate Office. PLEASE NOTE: Successful completion of graduate course(s) in the Unclassified status is not acceptance as a graduate student. The student is admitted as an Unclassified student, which implies that the student is not enrolled beyond that date. Students seeking admission to a degree program must realize that enrollment as an Unclassified student does not provide them with the privileges of a degree graduate, nor does it provide credit for any graduate degree. In order to be considered for the graduate degree, the student must secure the signature of the major adviser for the program and the signatures of the faculty members of the Graduate Program Committee evaluating the student's qualifications.

GRADUATE PROGRAM COMMITTEES

Each department (or area) offering a graduate degree has a Graduate Program Committee at least three members. This committee and its chairperson are recommended annually by the graduate faculty members of the department for appointment by the Dean of Graduate Studies and Research. In its department the Graduate Program Committee has the responsibility for the planning of the graduate students' studies. This committee reviews the qualifications of the students for graduate degrees, and the examining of these examinations is not given by a student's thesis or field project supervisory committee. The composition of the committee shall be recommended to the Dean for Graduate Studies and Research by the chairperson of the student's Graduate Program Committee after consultation with the student. The chairperson of the student's Graduate Program Committee may deny admission to the program. If this occurs, a determination will be made as soon as the student can qualify for admission.

Registration Procedure

university of nebraska at omaha
until a student has been admitted to candidacy for the degree, the graduate work is governed by the rules and regulations as stated in the most recent Graduate Catalog, if he has not been in continuous enrollment.

APPLICATION FOR THE DEGREE

The candidate for the degree must file an application for degree in the Registrar's Office in the semester or session in which the degree is to be granted. (See Calendar for date.)

FINAL COMPREHENSIVE EXAMINATION

A final comprehensive examination is required of all candidates for the Master's degree near the conclusion of their graduate study. For those candidates not writing a thesis, the examination is a written one. If those candidates writing a thesis, the examination may be either written or oral at the option of the department concerned. If written, it must be arranged at the convenience of the candidate and the professor. If the comprehensive examination is to be oral, it should be arranged at the time of the oral examination for the minor field. This does not preclude the privilege of the minor professor giving a comprehensive, if the professor so desires. The minor comprehensive examination is given at a date arranged at the convenience of both the candidate and the minor adviser but within the limits fixed by the Graduate catalog.

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

(Note: In most departments, students who plan degree completion in August should register for the comprehensive examination in the preceding June.)

Requirements for comprehensive examinations must be submitted to the Graduate Office by the departmental chair no later than twelve working days before conferral of the degree.

THESIS

Students electing to pursue the Option I degree program described on page 11 are required to prepare a thesis under the direction of the major adviser supervised by a supervisory committee. The thesis provides an opportunity for the student to obtain first-hand experience in research methods under competent direction. The Option I degree candidate's plan of study must contain at least six hours of thesis and a minimum of twenty-four semester hours of non-thesis course work. The thesis will be examined and graded at the completion of the student's studies and graduate studies and Research and in certain courses the student has been notified of any new courses; the student's registration will stay in effect until the thesis is completed. The student's thesis is to be written in the form in which it is to be presented for the oral defense. The thesis committee must consist of at least two graduate students from the major department and at least one from another department. If the thesis defense of the oral comprehensive examination is to be held with the oral comprehensive examination, the student must receive at least a grade of B or better in the thesis.

The thesis must be submitted in final form to the Graduate Office, if the department or the thesis committee has not been informed of the student's thesis by the time the thesis is due.

The student's responsibility to see that the pagination of the thesis is correct in all copies before the copies are deposited in the Graduate Office. The cost of binding three copies (see Fees) must be paid by the candidate at the time the thesis is submitted for binding. Additional copies of the thesis must be submitted to the Graduate Office, if the department or the thesis committee has not been informed of the student's thesis by the time the thesis is due.

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ORAL EXAMINATION ON THE THESIS

The composition of a committee to approve the thesis proposal and to conduct the oral examination over the thesis and the thesis field is recommended by the supervisory committee and submitted to the Graduate Office in final form with the signatures of the signatures on the approval sheet of all copies by the time the thesis is due. The signatures on the approval sheet of all copies by the time the thesis is due. The signatures on the approval sheet of all copies by the time the thesis is due. The signatures on the approval sheet of all copies by the time the thesis is due. The signatures on the approval sheet of all copies by the time the thesis is due.

The oral examination will be conducted by the supervisory committee as scheduled by the student and the Graduate Office. The Graduate Office will notify the student of the time and place of the examination. The examination is to be held in the Graduate Office.

The working days prior to graduation, it is the student's responsibility to deposit the original thesis and the other copies of the thesis in the Graduate Office.

QUALITY OF WORK

A "B" average must be maintained in all graduate work taken as part of a degree program, with no more than two graduate courses in the degree program carrying a grade of "C." Notwithstanding a student's average, a grade of "D" or "F" in any one or more hours of graduate credit work may be retained at any time at the discretion of the graduate faculty of the student's department. A grade of "D" or "F" in any one or more hours of graduate credit work may be retained at any time at the discretion of the graduate faculty of the student's department. A grade of "D" or "F" in any one or more hours of graduate credit work may be retained at any time at the discretion of the graduate faculty of the student's department. A grade of "D" or "F" in any one or more hours of graduate credit work may be retained at any time at the discretion of the graduate faculty of the student's department.

University of Nebraska at Omaha
The committee makes a recommendation to the respective dean, and the dean's decision is then conveyed to the student. If a student wishes to appeal further the decision of the academic dean, a written appeal may be submitted to the University Committee on Academic Standards, which serves an appellate function in hearing appeals of students who feel aggrieved on the basis of decisions rendered by the academic dean and Vice Chancellor for Academic Affairs.

The routing of appeals shall be in the department and collegial unit offering the course in which the student is enrolled.

GENERAL APPEAL PROCEDURES FOR ACADEMIC MATTERS CONCERNING GRADUATE STUDENTS

I. 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 or Interdepartmental Area Graduate Committee administratively responsible for the student's program.
   3. If denied, an appeal may be made to the graduate council for the college administratively responsible for the student's graduate program. Normally, this will be the final appeal 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 supervisory committee.
   2. If denied, the appeal may be submitted to the student's supervisory committee.
   3. If denied, the appeal may be submitted to the Departmental or Interdepartmental Area Graduate Committee administratively responsible for the student's program.
   4. If denied, an appeal may be made to the graduate council for the college administratively responsible for the student's graduate program. Normally, this will be the final appeal body (for exceptions, see Paragraph E).

C. When a graduate student's program consists of registrations essentially or entirely on one campus, the Graduate Council of the campus administratively responsible for the program will constitute the appeal board. When a student's graduate program involves substantial registrational credits on 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. The augmented Graduate Council will constitute the appeal board. The decision concerning augmentation of a campus Graduate Council for a specific appeal involving registrational credits on a campus other than the one administratively responsible for the student's program will be made by the Dean for Graduate Studies on the campuses involved.

D. If, in any 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 deadlines must be observed. It is the responsibility of the student to make reasonable efforts to ascertain the results of the examination within thirty days after the completion 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 Graduate College Office.

E. 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 first find that one or more of the following grounds for accepting the appeal are present:
   a. That the campus Graduate Council has violated some element of fair 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 important evidence relevant to one party's position;
   c. That the appeal of the student's decision is a matter of public interest that cannot be resolved through normal university procedures.

UNIVERSITY OF NEBRASKA AT OMAHA

The University Library, a three-level building constructed in 1975 and located at the west end of the campus, offers many varied services to the study and research. The collection consists of approximately 500,000 volumes, over 400,000 microform items, and 4000 pieces of audio visual material. The total number of serials subscribed to is over 5,000, including almost 200 newspapers from around the world. An on-line catalog is maintained, and patrons can use it to request books and reserve library materials. The Library offers a circulating collection of government documents, current periodicals, reserve materials, and audio-visual and microform materials. The library's collection is available near the Media Center on the eastern end of the building.
Dropping and Auditing Courses

A student may not drop a course after the date stated in the Academic Calendar and the Class Schedule. Exceptions beyond that date will require the professor’s certification that the student was earning a grade of “B” or higher as well as the approval of the Dean for Graduate Studies and Research. The Dean’s approval will require, in part, an uncontrollable circumstance interfering with the student’s studies.

A student must be admitted to the Graduate College in order to audit a graduate course. He/she must secure the permission of the adviser, must register for the course to audit, and must secure the approval of the instructor of the course whose prerogative it will be to determine privileges including examinations connected with the course. An audit student may not change to credit registration after the first week of a course. (A credit student may change to audit registration during the first eleven weeks of a semester, or during the first half of a class if it runs longer or shorter than a semester.)

Courses for Graduate Credit

Courses which are available for graduate credit are those which have been especially approved by the graduate faculty with syllabi on file in the Graduate Office.

Residence Requirements

A minimum of 30 semester credit hours in residence (at least in the Master of Science (Option II), Master of Fine Arts, Master of Public Administration, Master of Professional Accounting, and the Master of Business Administration degrees) is required for the Master of Science (Option II) and the Master of Professional Accounting. The Master of Business Administration degree is required for granting of the Master of Science (Option II) degree, except as provision is made for the transfer of credit. No credit will be allowed for correspondence work. NOTE: The Master of Social Work degree requires a minimum of forty-two semester credit hours.

Transfer of Credit

Students who have completed graduate courses at other approved graduate schools (including extension schools), and have petitioned the Dean for Graduate Studies and Research for approval, may be granted credit for courses numbered 800W, 800U, and 900 which are open to graduate students only. Some courses numbered 800M are open to both seniors and graduates; the same is true of a selected few 800 number courses. It is strongly recommended as a rule that graduate students enrolled in those courses numbered 800M and students whose courses have been completed at the senior level be transferred at a senior level to a graduate level. Students enrolled in 800M course must have the consent of the adviser.

The total number of hours of credit may not exceed the number stated except by petition submitted by the student to his major adviser who forwards the petition with his recommendation to the Dean for Graduate Studies and Research for approval.

Grades in courses for transfer of credit must be equivalent to “B” or higher. A written request must be made for transfer of credits from an ungraded course elsewhere; the student must obtain written permission to take such a course from his major adviser prior to registration. Only grades of “B” or better may be transferred from other schools in the University System to apply toward degree requirements here.

Withdrawal from the University

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, a graduate student is required to obtain the signatures of his adviser and the UNO Dean for Graduate Studies and Research and file in the Graduate Office.

Time Limit for Graduate Credit

The last thirty-six hours of work on the Plan of Study for any graduate degree must be completed within six consecutive calendar years. The first day of class of the earliest class of which the student is enrolled appears on the last thirty-six hours of work on the Plan of Study. The student’s Plan of Study is the beginning of the student’s graduate college. It is required that the student submit a graduate college for approval. It is required that the student submit a graduate college for approval.

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

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

With the exception of the Bookstore, the University does not accept bank cards for payment of any financial obligation. Registration is not complete until cleared by the Cashier. Fee to pay tuition or fees when due, or to meet payments on loans when due, may result in a withholding of grades and transcripts. Outstanding financial obligations from prior semesters must be paid in full prior to registration. Failure to do so may prohibit registration for the current and future semesters.

Application Fee (Undergraduate)

The application fee is payable at the time the application for admission form is filed. This fee is non-refundable and applies toward tuition or any other fee. The fee is also non-refundable for the purpose of determining the status of the applicant at the time the application for admission is filed.

Graduate Admission Fee (Graduate College)

Payable upon first-time enrollment in the Graduate College...

Tuition

Per Semester Credit Hour...Undergraduate $34.50 Graduate $41.00

Resident of Nebraska...

Non-Resident...

$93.50 $100.00...

Per Student Credit Hour through Off Campus Program...

$43.00 $47.50...

Audits

The Audit (not for credit) fee is set at one-half of the Resident tuition rate. Registration for audit requires the permission of the instructor and is subject to availability space after credit registration. Students who register to take a course for credit and who later choose to audit registration will be required to pay the full resident or non-resident tuition rate.

Laboratory Fees

Students enrolling for laboratory courses are advised that laboratory fees charged are for laboratory courses in:

$20.00

Art...

$10.00

Arts and Cred...
### UNIVERSITY OF NEBRASKA AT OMAHA

The table below provides a breakdown of fees for various courses and services at the University of Nebraska at Omaha.

<table>
<thead>
<tr>
<th>Course</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT Assessment (ACT)</td>
<td>$9.50</td>
</tr>
<tr>
<td>ACT Assessment (ACD)</td>
<td>$9.50</td>
</tr>
<tr>
<td>Credit by Examination, College-Level</td>
<td>$25.00</td>
</tr>
<tr>
<td>Credit by Examination, per course (Departmental)</td>
<td>$5.00</td>
</tr>
<tr>
<td>Correspondence Tests</td>
<td>$10.00</td>
</tr>
<tr>
<td>General Education Development (GED)</td>
<td>$50.00</td>
</tr>
<tr>
<td>Graduate Management Admission Test (GMAT)</td>
<td>$30.00</td>
</tr>
<tr>
<td>Graduate Record Examination (GRE)</td>
<td>$50.00</td>
</tr>
<tr>
<td>Law School Admission Test (LSAT)</td>
<td>$30.00</td>
</tr>
<tr>
<td>Miller Analogies Test (MAT)</td>
<td>$20.00</td>
</tr>
<tr>
<td>Test of English as a Foreign Language (TOEFL)</td>
<td>$50.00</td>
</tr>
<tr>
<td>English Diagnostic Test Fee (EDT)</td>
<td>$3.00</td>
</tr>
<tr>
<td>Mathematics Placement Exam (MPE)</td>
<td>$5.00</td>
</tr>
<tr>
<td>College of Education Screening Proficiency Testing</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

**Refund Schedule:**

Refunds are computed from the date the application is received by the Registrar, NOT from the date of withdrawal from classes. See policy entitled “Withdrawals from Classes.” You are entitled to a 100% refund if you withdraw before the account is paid in full and are not enrolled in any classes at the University. If you withdraw after the account is paid in full, you will receive a partial refund based on the percentage of classes completed.

Other fees and charges:

- **Special Instructional Fees**
  - Applied Music: Voice and all instruments: $15.00
  - Credit by Examination, per course (Departmental): $25.00
  - Credit by Examination, per course (College-Level): $25.00
  - Correspondence Tests: $10.00
  - General Education Development (GED): $50.00
  - Graduate Management Admission Test (GMAT): $30.00
  - Graduate Record Examination (GRE): $50.00
  - Law School Admission Test (LSAT): $30.00
  - Miller Analogies Test (MAT): $20.00
  - Test of English as a Foreign Language (TOEFL): $50.00
  - English Diagnostic Test Fee (EDT): $3.00
  - Mathematics Placement Exam (MPE): $5.00

- **Chemistry Laboratory Deposit:** $10.00

- **Test Fees:**
  - ACT Assessment (ACT): $9.50
  - ACT Assessment (ACD): $9.50
  - Correspondence Tests: $10.00
  - General Education Development (GED): $50.00
  - Graduate Management Admission Test (GMAT): $30.00
  - Graduate Record Examination (GRE): $50.00
  - Law School Admission Test (LSAT): $30.00
  - Miller Analogies Test (MAT): $20.00
  - Test of English as a Foreign Language (TOEFL): $50.00
  - English Diagnostic Test Fee (EDT): $3.00
  - Mathematics Placement Exam (MPE): $5.00

- **College of Education Screening Proficiency Testing:** $3.00

**Refund Schedule**

Refunds are computed from the date the application is received by the Registrar. NOT from the date of withdrawal from classes. See policy entitled “Withdrawals from Classes.”

- **Full-time students, undergraduate or graduate (12 credit hours or more) per semester:** $43.00
- **Part-time students, undergraduate or graduate (less than 12 hours) per semester:** $25.00

This fee is assessed to every student at the end of the semester. Refunds for withdrawals are figured from the date the application is received. The University will not be held responsible for any losses due to student non-payment of fees.
Regular Semester

Period of Drop/Withdrawal

Before first official day of semester
First week of classes
Second week of classes
Third week of classes
Fourth week of classes
Fifth week of classes

Summer Sessions (5 and 6 Week)
First official day of semester
First three days of classes
Remainder of first week
Second week of classes

Period of Drop/Withdrawal

First official day of semester
First three days of classes
Remainder of first week
Second week of classes
Third week of classes

Non-Credit and Special Courses (10 Weeks or More)
Withdrawal before classes start
Withdrawal before first week elapsed
Withdrawal before two weeks elapsed
Withdrawal after two weeks elapsed
Withdrawal before second class
Withdrawal after second class

Summer Evening and Special Contract (7 and 8 Week)
First official day of semester
First three days of classes
Remainder of first week
Second week of classes

Drop/Withdrawal
Before first official day of semester
First three days of classes
Remainder of first week
Second week of classes

RESIDENT STUDENTS

A student's right to classification as a resident for purposes of registration in a state educational institution must be determined under the provisions of Nebraska Revised Statutes of 1943, Sec. 85-502 (R.S. Supp., 1965). (See General Catalog.) Any student who has been classified as a nonresident may be classified as a resident if he can qualify as a resident and seek reclassification at the time of registration.

STUDENT DEVELOPMENT SERVICES

Career Development Center

The Career Development Center assists students, faculty, staff and alumni in exploring career alternatives and making career decisions. By exploring the many career alternatives in terms of one's interests, values, abilities, aptitudes, and aspirations, individuals will be able to develop career goals consistent with their particular lifestyle. To explore and clarify that one's interests and values, one may become involved in individual counseling, workshops, and testing. The Career Development Center offers a comprehensive Career Information Library available to assist individuals in exploring work with up-to-date information on employment trends, occupational opportunities, and working conditions. A career development Center is located in the East Wing of the Eppley Building, Room 115. Office Hours: 8:00 a.m. to 5:00 p.m. on Monday and Tuesday; 8:00 a.m. to 7:00 p.m. Wednesday through Friday.

Counseling Services

Counseling services are provided to assist UNO students in their educational, emotional, personal and social development. The goal of the Counseling Center is to use all available resources to assist students in making positive adjustments in their academic and personal lives. Students use the Counseling Center to talk about concerns, to enhance academic, vocational planning, family and personal problems, friends and financial difficulties. The Counseling Center is staffed with professionally trained and experienced counselors. Students may come to the center at their convenience during the day or evening hour. Students are assured that their privacy will be respected. Conversations with a counselor are held in confidence. Students do not know where to seek assistance or are confused about kinds of assistance available. The Counseling Center acts as a referral agency for students opening the availability of a large number of on-campus and community professional resources for the student. General counseling services are provided at no charge for students and other members of the university community. Appropriate fees are charged for services to people who are not students or within the university. The Counseling Center provides a professionally qualified staff in assisting students to make academic, personal, vocational decisions with the assistance of various assessment tools. While there is no single test or group of tests that will magically reveal information about a person or what they might do, students are able to assist students to a clearer understanding of themselves. Tests are provided by the UNO Testing Center with consultation and counseling. Interpretations and explanations of the results of these tests are provided by counselors from the center. Further examination of educational, personal, and career opportunities can be developed through the exploration of information gained from the test results and counseling sessions.

The Counseling Center is located in Room 115 of the Eppley Building (602 and 504) and is open during the day and early evening hours with the exception of weekends and whenever university holidays.

Testing Center

A variety of testing services are available through the Testing Center, which is located in Room 113 of the Eppley Building.

Career Placement Services

Career Placement Services assists graduating seniors and alumni from all Colleges of the University in their search for career employment. The Career Placement Service is part of the Employment Counseling, all in support of student career goals and related employment opportunities.
Credit will not be granted as substitutes for college courses which have been failed at university level. Neither will it be granted to raise a grade earned in any course.

Examinations for credit or placement may not be repeated. Credit by examination may not be earned in any course taken on an audit basis after September 1, 1972. A reasonable fee (see fee schedule in this catalog) will be charged to administrator and/or examiner for examination for credit or placement, and 50 percent of resident tuition will be charged for credit earned. The $25.00 testing fee for Departmental Exams will be applied to the tuition cost. Credit earned by examination will be recorded as "CR" on the transcripts, and this credit will not be used in calculating grade point average.

A department giving a student a departmental test for credit by examination shall be responsible for reporting the grade to the Testing Center. The time lapse shall not be greater than the semester following the time examination was given.

Within these parameters, the department or departments concerned retain responsibility in all matters, including:

- Determination of whether or not placement or examination credit should be offered in their areas.
- Selection or preparation of examinations to be given for placement or examination credit.

Determination of the time, sequence, and level of examinations and amount of credit in departmental courses.

Examinations for Admission to Graduate or Professional Schools. The Graduate Center also administers special examinations required to enter professional or graduate school. The following are among those examinations:

- Graduate Record Examination
- Miller Analogies Test
- Graduate Management Admission Test
- Law School Admissions Test

Information and applications are available at the Testing Center, room 117, Eppley Administration Building. 554-2409.

The Information Center

The Information Center located in the Eppley Building has available information about campus events and campus phone numbers and office locations for University employees. To give or receive information call 554-2885 from 7:30 a.m. to 7 p.m.

Parents Association

Parents of students at the University of Nebraska at Omaha have a unique opportunity to become involved in the growth and development of the institution by joining the UNO Parents Association. Any parent of a UNO student is eligible to become a member. Membership in the Parents Association gives parents an opportunity to become better informed about UNO and to share their children's college experience. Family membership dues are $5.00 annually. For information contact Student Development Services.

Student Employment Services

UNO students seeking off-campus, part-time employment should visit Student Employment Services in the Eppley Building, Room 111.

Employment counselors are available to assist students in obtaining employment, matching work with career interest where possible. Emphasis is placed on developing job-search interviewing techniques with the Student Employment Service acting as a liaison between employer and student.

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

Current listings of available jobs are posted on bulletin boards near Room 134 in the Milo Bail Student Center and on first floor of the Eppley Building, Room 111. Students are referred directly to employers for job interviewing. All services are free. Office Hours: 8:00-5:00 daily; 8:00-7:00 Monday and Tuesday, Phone: 554-2885.

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 Resource Center, Student Health Services, Handicapped Student Services, Minority Student Services, and Women's Services. The Office of Special Programs is located in room 117 of the Eppley Administration Building.

Handicapped Services

This service provides counseling to handicapped students as well as a forum to discuss and initiate needed services for the students. An advisory committee assists the University in providing a more conducive environment for handicapped students.

In compliance with the Rehabilitation Act of 1973 (Section 504) a handicapped student who is enrolled in a course located in a "non-accessible" room may request: 1. he/she be transferred to another section of the course which is accessible to 2. that the location of the course be changed. Students may initiate reasons for transfer of course sections or room assignment in the Registrar's Office.

FINANCIAL AID FOR GRADUATE STUDENTS

GRADUATE ASSISTANTSHIPS

Available for qualified students who are enrolled in a graduate degree program are graduate assistantships. Financial aid provided in the form of teaching, research, or laboratory supervision. The assistant's assignment is designed to provide unexcelled opportunities for supervised educational experiences at the graduate level in conjunction with the degree program.

POLICY GOVERNING GRADUATE ASSISTANTSHIPS

1. Academic Standards

The Graduate Assistantship is intended as an award to students who have demonstrated high academic performance and potential either at the graduate or undergraduate level. Graduate Assistant ship must be available to students in good standing in a degree program in the Graduate College. Dismissal from a graduate program for any reason shall result in subsequent dismissal from any Graduate Assistantship position. The student will not be eligible for an Assistantship thereafter until fully reinstated in a graduate degree program.

2. Recruitment and Selection of Graduate Assistants

Each Graduate Department or other departmental unit as appropriate which awards Graduate Assistantship shall establish an甄 election and selection in accordance with University policy on affirmative action/equal opportunity.
III. Workload
The workload for a Graduate Assistant should average 20 hours per week for the duration of the appointment and shall be construed to be the equivalent of .33 FTE. The department in which the Graduate Assistant is employed should make arrangements with its assistants regarding vacation periods. The Graduate Faculty considers a student who is pursuing graduate study and holding a graduate assistantship to be carrying the equivalent of a fulltime workload (see workload below) and, therefore, discourages the practice of holding additional jobs which may interfere with satisfactory performance of assigned duties.

IV. Course Load
Graduate Assistants are expected to carry a minimum of six graduate hours per semester. However, two five-week summer sessions shall be equivalent to one semester. Graduate Assistants may not register for more than 12 semester hours. The six hour minimum may be waived if the student is in the last semester of graduate work and needs fewer than six hours of graduate credit in order to complete requirements for graduation.

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

1. Teaching courses or discussion sections at the undergraduate level.
2. Instructing and supervising undergraduate level laboratories or tutorial sections.
3. Grading or otherwise evaluating academic performance of undergraduate students.
4. Collecting and/or processing research data for faculty members.
5. Laboratory or clerical duties.
6. In general, other duties which involve the direct knowledge and application of knowledge related to the student's field of study would be acceptable. Graduate Assistants should not be utilized solely for clerical duties.

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

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

VII. Justification of New Assistantships
In order to obtain permission to create new assistantships, whether funded by state appropriations or by outside grants, a department shall submit a brief statement of justification for the cognizant College Dean and the Dean for Graduate Studies and Research prior to being assigned a new assistantship by the Committee on Academic Affairs. This statement should contain: (1) qualifications necessary on the part of applicants; (2) expected duties; (3) relevance of the duties to the student's graduate training; and (4) qualifications for the assistantship (as opposed to other job titles).

VIII. Termination and Redistribution of Graduate Assistantships
Presently established graduate assistantships which are supported by state funds are allocated to the various departments within each college by the Dean of the college. These assistantships may, therefore, only be recommended for deletion by the cognizant Dean. Such proposed recommendations must be submitted to the Dean for Graduate Studies and Research for review and recommendation prior to being sent to the Vice Chancellor for Academic Affairs. Assistantships supported by outside funding will normally be terminated automatically when the funding ceases. No special approval is required in such cases. The Dean for Graduate Studies and Research should also be notified of any proposed redistribution of Graduate Assistant lines from one department to another.

A Graduate Assistantship entitles the holder to a waiver of tuition costs up to 12 hours of graduate credit per semester. Graduate assistants may apply for a Graduate Assistant Tuition Waiver for undergraduate-level coursework that is necessary for completion of the graduate assistant's program of study. This waiver applies only to undergraduate coursework required to meet a deficiency identified in the evaluation of the graduate assistant's application for admission and is for the purpose of provisional admission to the graduate program in the graduate assistant's respective department. This must be recommended in writing by the graduate assistant's advisor, department Graduate Program Committee Chairperson, and approved by the Dean for Graduate Studies.

Applications and their supporting credentials should be received or on before March 1. Address requests for information and application forms to the Chairperson of the Department in which the assistantship is desired.

TUITION WAIVERS FOR GRADUATE STUDENTS
Tuition waivers are often available for qualified students who have been admitted to graduate study. Eligibility is based on academic qualifications and financial need. Information and application forms are available in the Graduate Office. Allow at least two months for processing applications.

TRAVELING SCHOLAR PROGRAM
The University of Nebraska is a member of the Mid-America State Universities Association along with Iowa State University, Kansas State University, University of Kansas, University of Oklahoma, Oklahoma State University, and the University of Missouri. Under the traveling scholar program, a graduate student who wishes to use special research facilities or take courses not available at the University of Nebraska at Omaha may do so with a minimum of red tape. If the major professor and the host institution agree, the student may spend a semester at another MASU school simply by making appropriate arrangements at UNO. Nebraska residents pay resident tuition. The Graduate Office has further information.

INTERSTATE RECIPROCITY AGREEMENT FOR GRADUATE EDUCATION
Under an agreement between the Board of Regents of the University of Nebraska and the Board of Curators of the University of Missouri, graduate students meeting the regular in-state requirements of the University of Missouri shall be regarded as in-state students at The University of Nebraska, with respect to tuition requirements, tuition and fees, scholarships, fellowships, and assistantships and other benefits normally available to Nebraska residents.

SCHOLARSHIPS
Phi Delta Gamma
Phi Delta Gamma, a national fraternity for women, offers two annual scholarships of $200 each, to women graduate students who have completed approximately one half of their graduate work with an average GPA of 3.0 or higher. Application deadline is March 1.

Gerontology Program
The Gerontology Program offers scholarships between $100-$500 each to Gerontology Specialization graduate and undergraduate students based on financial need, scholarship and commitment to the field of aging. Further information and applications may be obtained from the office of the Gerontology Program.

LOANS
Graduate Students are eligible to apply for National Direct Student Loans (NDSL), Guaranteed Student Loans (GSL) and PLUS Loan Programs. The NDSL's are based entirely on need, with GSL's are based on certain financial situations. The PLUS Loans are not based on need, and may be used to supplement an aid package comprised of a GSL or other institutional aid. Qualifying women graduate students may be eligible for a Phi Delta Gamma loan on a limited basis. To apply for loans from other sources as well, contact the Director of Financial Aid, Room 103 Eppley Building.

WORK-STUDY
Graduate Students may apply for College Work-study positions. Eligibility for these positions is based upon financial need. For application for work-study, contact the Office of Financial Aid, Room 103, Eppley Building.

ORGANIZATIONS
Phi Delta Gamma is a national sorority for graduate women in all fields. Membership is by invitation. Beta Gamma Sigma is a national honorary society for students in Business Administration. Membership is by petition.
GRADUATE FACULTY

The Graduate Faculty comprises the qualifications of all professors who offer graduate work and approves all courses which may be taken for graduate credit. The Dean for Graduate Studies and Research serves as Chairperson of the Graduate Faculty at UNO and of the UNO Graduate Council. Information about graduate programs, including qualifications of graduate faculty members, is available in the Graduate Office.

CRITERIA

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 Committee of the nominee’s department or interdisciplinary area.
3. The nominee will as part of his or her regular duties be actively involved in graduate student research and/or graduate teaching.
4. The nominee must have demonstrated clear evidence of scholarly activity and potential beyond teaching. This evidence must be provided by the nominator.

GRADUATE FACULTY MEMBERS

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

GRADUATE FACULTY FELLOWS

GRADUATE COUNCIL

The objectives of this committee are: (1) to foster fruitful research as an adjunct to teaching excellence, (2) to recommend allocation of the available funds for research toward those ends, and (3) to encourage solicitation of monies for research. Requests for various research activities will be solicited, evaluated, and recommended for approval or disapproval in keeping with the objectives of the Committee’s area of responsibility and concern.

EXTRAMURAL GRANTS

POLICY ON PLAGIARISM

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

Plagiarism by Students

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

POLICY ON ETHICAL CONDUCT

It should be understood that academic performance is not the only criterion for graduation. Students are expected to maintain the highest standards of ethical conduct pertaining to academic coursework, professional practice, and research activity. Any form of academic misconduct shall be subject to disciplinary action, regardless of the student’s prior or current academic performance.
SUMMARY OF PROCEDURE FOR GRADUATE STUDENTS

1. File official transcripts of all undergraduate and graduate credit and an application for admission with the Director of Admissions, First Floor East, Eppley Building.
2. Contact an advisor within the department to which you are applying for admission to determine departmental admission requirements.
3. Arrange to take the appropriate entrance examinations for your department. These will normally include either the GRE, GMAT, or MAT. If you have already taken the appropriate examination, have your scores sent to the Graduate College.
4. The Graduate Office will notify you by mail of your acceptance or non-acceptance into the Graduate College after your transcripts have been evaluated.
5. Arrange your class schedule with your advisor and have him/her sign your registration card. You will be asked to pay a $10.00 Admission Fee-Graduate the first time you enroll for graduate study.
6. Apply for candidacy as early as possible. This can be done as soon as you have satisfactorily completed six hours of graduate work in The Graduate College of the University System (these six hours must be necessary for your program). Have your transcripts showing a Bachelor's degree and the GRE (or other specified test) scores on file in the Graduate Office. See your advisor for details.
7. If you are a transfer student, you must consult with your department's Graduate Program Committee to determine which courses you will be allowed to transfer. These courses must be included on your application for candidacy.
8. You will be informed by mail of your admission to candidacy.
9. At the time of your final enrollment, arrange with your supervisory committee a time for your comprehensive examinations, if these have not already been taken. Also, inform the Graduate Office of your intent to graduate so that your graduate record may be compiled and reviewed.
10. If your approved program includes a thesis, obtain a copy of "Instructions for the Preparation of Theses" from the Graduate Office and prepare your thesis in accordance with Graduate College guidelines and departmental style requirements. Make arrangements with your department for oral examinations. The completed, fully corrected, and approved thesis must be deposited in the Graduate Office together with the proper number of copies of it at least twelve working days prior to the conferral of the degree. The thesis binding fee must be paid in the Registrar's Office prior to the depositing of the thesis in the Graduate Office. It is the student's responsibility to be sure that the pagination is correct in all copies of the thesis before depositing them in the Graduate College.
11. Make application for the conferral of the degree in the Registrar's Office. The deadlines for filing are usually well before graduation, so be aware of these dates. The deadlines will be stated in the current issue of the Graduate Catalog as well as posted during registration and in the Registrar's Office. If you apply for graduation and do not complete all of the requirements for the degree in time to graduate, you must reapply for graduation the following semester. No additional fee is charged to reactivate your application.
12. Pay all fees and fines and satisfy all obligations to the University at least twelve working days before conferral of the degree.
13. Order a cap, gown, and hood from the Bookstore.
DEGREE REQUIREMENTS

BIOLOGY

To enter a degree program with a major in biology the student must present approximately 24 semester hours of credit in the biological sciences including general botany, general zoology, and genetics plus adequate preparation in the supporting sciences of inorganic and organic chemistry, general physics, and mathematics. Students with inadequate backgrounds may be admitted provisionally. 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. Forms for these will be sent from the biology department upon receipt of the application for admission and transcripts.

Master of Arts

Ordinarily every student will become a candidate for this degree. Only under appropriate circumstances will a student be allowed to become a candidate for the Master of Science degree.

To complete the Master of Arts degree with a major in biology the candidate must present 30 hours of graduate course work in biology to include 6 credit hours in thesis, a minimum of 2 hours in departmental seminar (801V), and at least 22 hours of appropriate courses to be determined by the student and the faculty advisory committee. Normally, at least 7 of these 22 hours will be taken in 800V level courses. Graduate students are expected to attend the departmental seminar 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 only upon the recommendation of the student's advisory committee.

To complete the degree the candidate must present 36 hours of graduate work in biology to include at least 2 semesters of Biology 801V, 1 semester of Biology 802V, and other appropriate courses to be determined by the student and his/her faculty advisory committee. Normally, 18 of the total 36 hours required for the degree will be taken at the 800V level. Graduate students are expected to attend the departmental seminar (801V) 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.

BUSINESS ADMINISTRATION

The Master of Business Administration Degree

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 admission will be granted simply because the indicated points have been achieved.

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

Degree Requirements

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

- Microeconomics
- Macroeconomics
- Microeconomics at the undergraduate level will be eliminated in the Graduate Program.
### Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 800V</td>
<td>Quantitative Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 801V</td>
<td>Business and Society</td>
<td>3</td>
</tr>
<tr>
<td>BA 810V</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 820V</td>
<td>Business Administration</td>
<td>3</td>
</tr>
<tr>
<td>BA 831V</td>
<td>Human Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>BA 880V</td>
<td>Policy, Planning, and Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

### Option Courses

**Option 1 — Business Administration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 830V</td>
<td>Environment of Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 840V</td>
<td>Marketing Policies</td>
<td>3</td>
</tr>
<tr>
<td>BA 852V</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 853V</td>
<td>Business Conditions Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 2 — Marketing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 840V</td>
<td>Marketing Policies</td>
<td>3</td>
</tr>
<tr>
<td>BA 841V</td>
<td>Promotional Policies</td>
<td>3</td>
</tr>
<tr>
<td>BA 843V</td>
<td>Seminar in Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 3 — Decision Sciences**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 802V</td>
<td>Research Methods in Economics and Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 803V</td>
<td>Business Conditions Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 4 — Real Estate**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 806V</td>
<td>Real Estate and Land Use Economies</td>
<td>3</td>
</tr>
<tr>
<td>BA 861V</td>
<td>Current Problems in Real Estate and Land Use Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 5 — Industrial Psychology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 832V</td>
<td>Industrial Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 921V</td>
<td>Industrial Training &amp; Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Course Requirements**

- A thesis is required in one option (Real Estate) and may be elected in others. No comprehensive examinations are required. Instead, the integrative course BA 880V must be successfully completed with a grade of A or B in the student's last nine hours of the degree program.

### Degree Requirements

**Plan 10 hours from the following (no more than 6 hours of M-level courses may be included in the MBA program):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 832M</td>
<td>Natural Resource Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 801V</td>
<td>Theory of Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 810V</td>
<td>Seminar in Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 820V</td>
<td>Seminar in Micro Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 832V</td>
<td>Seminar in Macro Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 840V</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>ECON 850V</td>
<td>Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 845V</td>
<td>Seminar in Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECON 853V</td>
<td>Seminar in International Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 855V</td>
<td>Seminar in Urban Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 6 — Management:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 830V</td>
<td>The Environment of Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 835V</td>
<td>Seminar in Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 837V</td>
<td>Personnel Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plan 12 hours from the following: (at least one option must be elected in the Civil Engineering degree) **

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 830V</td>
<td>Business Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BA 835V</td>
<td>Business Conditions Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 840V</td>
<td>Seminar in Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>BA 837V</td>
<td>Banking and Financial Markets</td>
<td>3</td>
</tr>
<tr>
<td>BA 880V</td>
<td>Financial Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plan 9 hours from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 831V</td>
<td>Security Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 832V</td>
<td>Seminar in Investment Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 835V</td>
<td>Seminar in Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 845V</td>
<td>Seminar in Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>BA 837V</td>
<td>Personnel Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 7 — Independent Research (in Finance):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 890V</td>
<td>Independent Research (in Finance)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 8 — Industrial Psychology:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 832V</td>
<td>Personnel Administration</td>
<td>3</td>
</tr>
<tr>
<td>PSY 946V</td>
<td>Industrial Training &amp; Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 9 — Industrial Psychology:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 951V</td>
<td>Industrial Motivation &amp; Morale</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plan of the following four courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 909V</td>
<td>Theory of Measurement &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>PSY 914V</td>
<td>Nonparametric Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 919V</td>
<td>Psychometric Analysis of Variance</td>
<td>3</td>
</tr>
<tr>
<td>PSY 911V</td>
<td>Correlation and Regression</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 10 — Individually Designed Program:**

A student under the guidance of the Director of Graduate Studies in Business and Economics and with the approval of the Graduate Faculty of the College of Business Administration may develop an option of 12 hours of study. A minimum of 21 semester hours must be completed in courses designated as business administration (BA). Also, at least 30 hours must be at the "M" level of graduate work.

### Student Responsibilities

It is the responsibility of each student admitted to graduate studies to be familiar with the procedures and regulations of the Graduate Catalog. Each student should also consult with the Director of the MBA program at least once each semester to assure continued progress toward the degree objective. Students must maintain a 3.0 (B average) to fulfill the program and graduation requirements. A maximum of 2 C's in graduate courses is permitted. In selecting electives the student must be guided by the restriction that a maximum of 6 hours of "M" level courses may be included in the graduate program of study.

### CIVIL ENGINEERING

**Master of Science**

This is a professional graduate degree designed to provide a broad educational background for students who wish to gain greater proficiency and assume positions of greater responsibility in the field of Civil Engineering. Courses in the program give students a better understanding of the basic principles and methodology used in the design of civil engineering projects. Emphasis is placed on System Analysis, Decision Making, and Problem Solving.

The degree program is offered by the faculty of the merged departments of Civil Engineering at Omaha and Lincoln, and will be administered by the Graduate College, UN-L. Requirements for the Master's Degree will be as stated in the Graduate Studies Bulletin, University of Nebraska-Lincoln. Upon admission by the Graduate College, UN-L, student records will be maintained on the campus at which the major portion of the graduate courses will be taken. Normally the faculty advisor will also be on that
Graduate Committee. The Civil Engineering Department has a Graduate Committee of six faculty, selected from the Omaha and Lincoln campuses, appointed by the Department Chairperson and approved by the Graduate Dean, UN-L. The Graduate Committee has general supervision over the work of the candidates for the Master's degree. The committee may prescribe such tests as it deems necessary in order to determine whether an applicant is adequately prepared for graduate study. After all application materials are received by the Graduate College, UN-L, the chairperson of the committee will be asked to make a recommendation, after consultation with the committee, on admission to the Graduate College.

Admission to Candidacy

Options for the Masters Degree

Graduate Studies Bulletin, University of Nebraska-Lincoln

Graduate Work. Graduate work in Civil Engineering is governed by the general requirements of the Graduate College. Selection of the option and program are 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/she wishes to study. Major work for the Master of Science degree may be selected from the areas of structural, geotechnical, transportation, hydraulic, sanitary and water resources engineering. A minor area may be designated from any one of the related Civil Engineering areas, or from other related departments. Other supporting courses will be selected from advanced or graduate courses having some relation to the major group.

COMMUNICATION

Master of Arts

In order to be admitted without deficiencies to graduate study in Communication, the applicant must present at least 12 undergraduate semester hours of appropriate courses in communication arts and sciences, including advanced (upper division) work in the area of graduate concentration, plus an approved undergraduate course in statistics. Applicants who have more than 9 semester hours of deficiencies will be advised to remove them before reapplying for any type of admission.

In order to be admitted 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 100V, 447V, 837V, and an elective theory or research seminar above the 300 level.

The student's plan of study must be approved by the student's committee and must provide provisions for a minor or area studies. Every plan of study must be designed to meet the requirements of either the thesis option or the non-thesis option.

Thesis option: Successful completion of 24 semester hours of course work, plus a thesis (6 credit hours) based on a proposal approved by the student's committee. The completed 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 course work, of which 18 hours must be in courses open only to graduate students. At least half of the 36 hours must be in the student's area of concentration. In lieu of a thesis, an independent research or creative project, based on a proposal approved by the student's committee, may be formulated in writing, video, or a written comprehensive examination covering the student's major emphasis and minor or area studies.

COUNSELING AND SPECIAL EDUCATION

Programs in Counseling and Special Education are offered by the Counseling and Special Education Department. Admissions examinations for programs in this department are identified on page 12.

Counseling and Guidance Programs

Students may begin a program of studies in Counseling and Guidance at any one of three starting times during the course of the year. Once a program is begun, students are expected to complete the program on a continuous enrollment basis. Full time study is encouraged, however, provision is made for those unable to devote more than part-time to their program. All students are required to follow a sequence of core work, whether full or part-time, and must consult their advisor to determine this sequence. Failure to do so could possibly result in a delayed completion date.

Students obtain a Master's degree in Counseling and Guidance with an area of specialization. Current specialty areas 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 (followed by Student Behavioral Seminar and Specialization in Elementary Counseling and Inclusive Education).
COUN 890M, Principles of Guidance and Counseling
COUN 820V, Introduction to Counseling Theories
COUN 813V, Appraisal Techniques in Counseling and Guidance
COUN 827V, Group Techniques
COUN 832V, Counseling Elementary School Children Practicum or Internship (4 to 6 hours)
Selected additional courses in the department (Specialization in College Student Personnel Services)

I. Foundation Courses
FED 801V, Introduction to Research

II. Required Courses
COUN 813V, The Student Personnel Work in Higher Education
COUN 820V, Introduction to Counseling Theories
COUN 822V, Appraisal Techniques in Counseling and Guidance
COUN 824V, Counseling Practicum
COUN 827V, Group Techniques in Guidance
COUN 832V, College Student Personnel Internship

III. Selected Cognate Courses
These courses are selected in accordance with the student's particular area of interest; i.e., Admissions and Registration; Career Counseling; Placement and Financial Aid; Student Services (Counseling, Testing, etc.); and Health Services. Counseling with specialization in Gerontology

I. Foundation Courses
FED 801V, Introduction to Research

II. Counseling and Guidance Courses
COUN 800M, Principles of Guidance
COUN 820V, Introduction to Counseling Theories
COUN 823V, Appraisal Techniques in Guidance
COUN 824V, Counseling Practicum
COUN 827V, Group Techniques

Elective Courses:
COUN 832V, Practicum or Internship

III. Gerontology Courses
These courses are selected with the major's advisor's assistance and in collaboration with the Gerontology Program. Certification of Specialization in Gerontology is issued by students completing the specialization upon the recommendation of the Gerontology Program.

Students specializing in Agency Counseling, School Counseling — Secondary level, or College Student Personnel Services may develop areas of concentration in Vocational Guidance or Group Counseling.

Special Education Programs

Graduate Requirements — STUDENT TEACHING

Students needing SPED 872V, 873V, 850V, 851V, 852V, 884V, and/or 884V, must submit a completed application form for student teaching/ internship signed by their adviser before March 15 for a fall and/or summer placement and by October 15 for a spring placement. Under no circumstances can a student take both SPED 872V and SPED 873V, or SPED 850V, 851V, and 852V, or SPED 884V and 884V during the same semester.

Master of Arts: Speech Pathology

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

1. Admission to the University of Nebraska at Omaha Graduate College. The Miller Analogies Test (MAT) must be taken and scores submitted to the Special Education Department 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. An examination to determine adequate personal voice and speech proficiency and adequate hearing acuity for speech (Administered at the Speech and Hearing Clinic of the University). A raw score of 15 on the MAT is required for initial entrance into the program.

4. Have successfully completed a minimum of thirty-nine semester hours of work in psychology or a closely related field in preparation for admittance to the major. These hours are to include the following courses or their equivalents:
   - SPED 140, Introduction to Communication Disorders
   - SPED 422, Hearing Disorders
   - SPED 437, Speech Science 1: Speech Mechanisms

5. To be admitted as a candidate for the M.A. degree in Mental Retardation the student must have successfully completed a minimum of thirty-nine semester hours of work in psychology or a closely related field in preparation for admittance to the major.

6. Each candidate will submit a thesis proposal to his committee for approval. A thesis will represent six semester hours in independent study under the direction of a major thesis adviser.

7. Subject to review of the applicants transcripts and related experiences with retarded children,
A Nebraska pre-standard certification and a CED provisional certification will be recommended upon satisfactory completion of the program.

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 unless the student is hearing impaired or a non-native English speaker/user.

2. Two (2) 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 by 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 445, Speech Science II: Experimental and Applied Phonetics
   - SPED 444, Speech Pathology II: Rhythm and Symbolization
   - SPED 442, Language Development in Children
   - SPED 439, Hearing Science
   - SPED 438, Speech Science I: Speech Mechanisms
   - SPED 437, Hearing Disorders

5. For students who wish to improve and expand competency areas necessary for greater individual proficiency in teaching mentally retarded children. State certification in EMH and TMH teaching are also available through this program. The following program requirements must be fulfilled:

   1. Admission to the University of Nebraska at Omaha Graduate College. 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. Applicants must hold a valid teaching certificate. Those not holding teaching certificates will be required to take preliminary courses in teacher education (the number of these courses will be subject to a review of the applicant’s transcripts and his/her related experiences in the schools). The candidate, having successfully completed thirty-three hours of course work and practicum, and enrolled for their last six hours, will be required to pass a final written and/or oral examination.
   3. Minimum of 18 hours of course work required for teacher education credits in the student teaching experience is initiated. Comprehensive examination or thesis option is required.

Master of Science: Teaching the Mentally Retarded

The Master of Science degree with a major in mental retardation provides broad study investigations for students who wish to improve and expand competency areas necessary for greater individual proficiency in teaching mentally retarded children. State certification in EMH and TMH teaching are also available through this program. The following program requirements must be fulfilled:

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. Applicants must hold a valid teaching certificate. Those not holding teaching certificates will be required to take preliminary courses in teacher education (the number of these courses will be subject to a review of the applicant’s transcripts and his/her related experiences in the schools). The candidate, having successfully completed thirty-three hours of course work and practicum, and enrolled for their last six hours, will be required to pass a final written and/or oral examination.

3. Minimum of 18 hours of course work required for teacher education credits in the student teaching experience is initiated. Comprehensive examination or thesis option is required.

Master of Science: Teaching the Hearing Impaired

The Master of Science degree with a major in teaching the hearing impaired is based on the standards for the certification of teachers of the hearing impaired as developed by the Committee on Professional Preparation and Certification adopted by the Council on the Education of the Deaf. Students who plan to
Master of Science: Resource Teaching in Learning Disabilities

Resource Teaching in Learning Disabilities is a specialized training program designed to prepare the graduate student for identification, analysis, and intervention techniques related to children who have specific learning deficits. Since the program assumes a knowledge of "normal" learning development, the student should enter the program with a strong background in learning theory, child growth and development, curriculum development, and methods and techniques of teaching. The training program is divided into three sequential steps which provide experiences necessary to develop competencies in theory, specific diagnostic and intervention skills, and practical application. The student will be comprehensively evaluated after each of the first two steps and during Step III.

Thirty-seven (37) hours must be completed for the M.S. in Special Education with endorsement in Resource Teaching in Learning Disabilities, K-12. Students entering the Master of Science: Resource Teaching in Learning Disabilities thesis option will take six (6) hours of SPED 899 in Step II. This includes 33 hours of work in the program, three (3) hours of SPED 890U, and three (3) hours of SPED 899.

Entrance Requirements:

1. Admission to the University of Nebraska at Omaha Graduate College. The Master Analyses Test (MAT) must be taken and scores submitted to the Special Education Department for consideration prior to admission. A raw score of 35 on the MAT is required for initial entrance into the program.

2. Teaching Certification:
   A. The applicant must hold a teaching certificate from a state education agency and be eligible to teach in elementary or secondary grades or special education.
   B. Students accepted into the program without certification must complete 33 hours of coursework designed to meet certification requirements as stipulated by the state of Nebraska.

3. Teaching Experience:
   Students must have completed a minimum of two years of successful teaching in pre-school, kindergarten, elementary, secondary, or special education, or other professional experiences before final endorsement is recommended. It is possible for students to enter and complete the program without prior teaching experience; however, endorsement will not be recommended until two years of teaching has been completed.

4. Pre-requisite courses
   a. Reading major area of study coming into the program, his/her transcript must show courses, grade point average or degree, which relate to:
      A. Child Development - 3 hours
      B. Learning Theory - 3 hours
      C. Curriculum Development - 3 hours
      D. Student Teaching or Student Teaching equivalent - 3 hours
      E. Methods Courses - 3 hours
   b. Comprehensive Evaluation
      Upon admission to the Graduate College and prior to entering Step I, the student must make arrangements with his/her program advisor to undergo a pre-comprehensive evaluation. This evaluation will include the following:
      A. Written - this will test the ability of the student to write in a position taken by him/her relative to previous work or teaching experience.
      B. Interview (informal) - an interview conducted by the faculty will be used to seek information from the student relative to his past experiences, general and specific attitudes, and experiences teaching children with learning disabilities and nonspecial-teacher relationships.

Option 1 - Master of Science (with endorsement)

Course Requirements:

Step I (12 hours)
- SPED 840V - Learning Disabilities (3)
- SPED 880M - Emotional Development of Children and Youth (3)
- FED 801V - Introduction to Research (3)
- Elective (3)

Step II (15 hours)
- SPED 891V - Theory of Assessment and Diagnosis of Learning Deficits (3)
- SPED 881M - Classroom Techniques for Behavior Control (3)
- SPED 881M - Advanced Observation and Student Teaching (MCRI) (3)
- Elective (3)

Step III (10 hours)
- SPED 891V - School Practicum in Resource Teaching/Learning Disabilities (3)
- SPED 898M - Seminar in Special Education (3)
- Elective (3)

Minimum required: Master of Science - 6 hours; Master of Science - Thesis Option - 3 hours.

Option 2 - Master of Science - Thesis Option (with endorsement)

Course Requirements:

Step I (12 hours)
- SPED 840V - Learning Disabilities (3)
- SPED 880M - Emotional Development of Children and Youth (3)
- FED 801V - Introduction to Research (3)
- SPED 899 - Thesis (3)

Step II (15 hours)
- SPED 891V - Theory of Assessment and Diagnosis of Learning Deficits (3)
- SPED 881M - Classroom Techniques for Behavior Control (3)
- SPED 887V - Advanced Observation and Student Teaching (MCRI3 (3)
- Elective (3)

Step III (10 hours)
- SPED 893V - School Practicum in Resource Teaching/Learning Disabilities (3)
- SPED 890V - Advanced Diagnosis of Learning Deficits (4)
- Elective (3)

Election Requirements:

Minimum required: Master of Science - 6 hours; Master of Science - Thesis Option - 3 hours.

Option 1 - Master of Science - Thesis Option (with endorsement)

Course Requirements:

Step I (12 hours)
- SPED 840V - Learning Disabilities (3)
- SPED 880M - Emotional Development of Children and Youth (3)
- FED 801V - Introduction to Research (3)
- Elective (3)

Step II (15 hours)
- SPED 891V - Theory of Assessment and Diagnosis of Learning Deficits (3)
- SPED 881M - Classroom Techniques for Behavior Control (3)
- SPED 887V - Clinical Teaching in Learning Disabilities (3)
- SPED 887M - Advanced Observation and Student Teaching (MCRI) (3)
- Elective (3)

Step III (10 hours)
- SPED 891V - School Practicum in Resource Teaching/Learning Disabilities (3)
- SPED 898M - Seminar in Special Education (3)
- Elective (3)

Minimum required: Master of Science - 6 hours; Master of Science - Thesis Option - 3 hours.

Entrance Requirements:

1. The student must have completed the following courses:
3 hours

3. The Miller Analogy Test must be taken during Step I of the program. The student must score 35 or better to continue in the program.

4. The student will demonstrate his/her ability to articulate by writing a position paper in terms of previous work or teaching experience.

5. An informal interview with the advisor.

6. Student must hold a Bachelor’s degree with a teacher’s certification in one or more teaching areas.

7. Student must have completed two years of successful teaching before endorsement will be granted.

8. Students must fulfill all other entrance requirements as required by the Graduate College of the University of Nebraska at Omaha.

DEGREE REQUIREMENTS

CRIMINAL JUSTICE

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, 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 research methods course, and a minimum of 15 hours in the Social Science area at the undergraduate level. Those students lacking these requirements will be required to make up these deficiencies during the first year of graduate work.

Master of Arts

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

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

1. Required Core Courses

   - Required Core Courses
     - 802V, Seminar in the Administration of Justice
     - 812V, Criminal Justice Research Theory and Methodology

   - Elective Courses
     - (student selects three (3) courses with advisor's approval)
     - 801V, Criminal Justice Planning and Innovation
     - 804V, Theoretical Criminology
     - 806V, Seminar in the Processes of the Criminal Justice System
     - 809V, Seminar in Delinquency Prevention, Control, and Correction
     - 811V, Special Problems in Criminal Justice
     - 814V, Independent Study
     - 813M, Correctional Law
     - 835M, Community Based Correction

   - Elective Cognate Courses
     - In consultation with an advisor the student selects two (2) courses in a related field. Suggested fields include, but are not limited to: Business Administration, Psychology, Political Science, Social Work, and Sociology.
     - 899X, Thesis

2. Master of Science

   - The Master of Science degree is a 36 credit-hour non-thesis program designed to emphasize research, planning, and administration, while simultaneously providing fundamental course work. 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. The Public Administration option is especially recommended for administrators or future administrators within the Criminal Justice System.

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

   - Required Core Courses
     - 802V, Seminar in Administration of Justice
     - 812V, Criminal Justice Research Theory and Methodology

   - Elective Courses
     - (student selects four (4) courses with advisor's approval)
     - 801V, Criminal Justice Planning and Innovation
     - 804V, Theoretical Criminology

   - Elective Cognate Courses
     - In consultation with an advisor the student selects two (2) courses in a related field. Suggested fields include, but are not limited to: Business Administration, Psychology, Political Science, Social Work, and Sociology.
     - 899X, Thesis

Program Requirements

1. Thirty-six (36) hours must be completed for the M.S. in Special Education with a major in Emotionally Disturbed and endorsement as a teacher of the Emotionally Disturbed, K-12. Students electing the Master of Science in Teaching the Emotionally Disturbed thesis option will take six (6) hours of SPED 899V, Thesis; three hours to be taken in Step I and three hours in Step II of the program.

2. The student will be required to pass a 2-hour comprehensive competency examination at the end of each step. This exam will be scheduled once a term.

3. Courses

   - Step I - 12 hours
     - Required
       - FED 801V, Introduction to Research — 3 hours
       - SPED 882V, Educ. Strategies for Ed Child and Adult — 3 hours
       - SPED 840M, Learning Disabilities — 3 hours
     - Electives
       - SPED 806V, Interdisciplinary Approaches to Developmental Disabilities — 3 hours
       - PSY 844M, Abnormal Psychology — 3 hours
       - PSY 845M, Personality Theories — 3 hours
       - PSY 859M, Psychology of Exceptional Children — 3 hours
       - PSY 851V, Advanced Educational Psychology — 3 hours
     - Comprehensive Examination

   - Step II - 12 hours
     - Required
       - SPED 899V, Seminar in Special Education — 3 hours
       - SPED 812V, Practicum in Teaching Emotionally Disturbed — 3 hours
       - SPED 875M, Childhood Language Disorders — 3 hours
     - Electives
       - SPED 896V, Advanced Diagnosis of Learning Disabilities — 3 hours
       - SPED 813V, Diagnosis and Remedial Instruction in Reading — 3 hours
       - PSY 831V, Psychological and Educational Testing — 3 hours
       - PSY 863M, Techniques of Programmed Instruction — 3 hours
       - PSY 856M, Learning in Children — 3 hours
       - PSY 857V, Behavior Modification — 3 hours
       - PSY 897V, Group Techniques — 3 hours

   - Comprehensive Examination

   - Step III - 12 hours
     - Required
       - SPED 870V, Seminar in Special Education — 3 hours
       - SPED 871M, Interactions Between Professionals and Parents of the Handicapped — 3 hours
       - SPED 884V, Advanced Practicum in Teaching Emotionally Disturbed — 3 hours
       - Coun 827V, Group Techniques — 3 hours

     - Comprehensive Examination

Electives

Based on the student’s major in Special Education, the program offers the student a choice of either a Master of Science in Special Education with a major in Emotionally Disturbed or a Master of Arts in Special Education with a major in either Behavioral or Learning Disabilities. The program is designed to provide the student with a solid foundation in the theory and practice of special education, with a focus on the assessment, instruction, and intervention of students with disabilities.
The student is eligible for admission to candidacy for the Master of Arts program when a Plan of Study has been developed to satisfy all deficiencies, a three-hour research methods course and six hours of graduate courses completed, and either the MAT or GRE scores on file. Upon eligibility for candidacy, the student will submit the Plan of Study to the Graduate Committee for review.

All candidates are required to take a course in research methods in their first twelve hours of program study to complete one of the following plans of study:

Option I: Successful completion of at least 24 semester hours of course work including at least 12 hours in V-level courses; plus a thesis (6 credit hours) based on a proposal approved by the student’s committee and defended orally before the committee when complete.

Option II: Successful completion of at least 33 semester hours of course work including at least 12 hours in V-level courses; plus a final project (3 credit hours) consisting of major responsibility in a production approved by the Dramatic Arts faculty; a final prompt book, portfolio, or script will be assembled upon completion of the project and the presentation to the student’s committee. The student will make a major defense of the project before the committee.

The emphasis in People’s Theatre is the student’s response to what appears to be an important development in American life. With many small theatre organizations around the country, educational and entertainment needs of new audiences, such as women, blacks, Hispanics, and urban people, third world countries, and young people, the theatre and the faculty feel it is appropriate to offer specialized study in the history, theory, and contemporary practice of these companies. In addition, special opportunities exist for practical theatre development in the Omaha region. In this way, the emphasis seeks not only to study the broader forms but to apply theatre-making skills for the benefit of new audiences in the immediate area.

Those students pursuing UNO’s special emphasis in People’s Theatre take either Option I or Option II and a core of four Dramatic Arts courses in People’s Theatre:

- 805V - People’s Theatre Practicum
- 874V - People’s Theatre History to 1960
- 875M - Contemporary People’s Theatre
- 892V - Contemporary Theatre Aesthetics

Since People’s Theatre emphasis is fundamentally interdisciplinary, all People’s Theatre students will take 9-12 of their hours in a cooperative field outside Dramatic Arts.

Students are directed to obtain a copy of the MA Program Guidelines from the department office for more detailed information on the program process and requirements.

ECONOMICS

Applicants to the graduate program in Economics must have completed the equivalent of 15 undergraduate semester hours in Economics.

Master of Science

The M.S. program consists of core requirements (15 hours), an elected specialization (9 or 12 hours), and electives (9 or 12 hours, depending on the specialization elected). No thesis is required for the M.S. degree. All courses are 3 credits. Total hours required: 36.

Each student must complete the core requirements.

Core (15 hours)

<table>
<thead>
<tr>
<th>Course requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 820V - Microeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 822V - Macroeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 830M - Quantitative Applications in Economics and Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON 829V - Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>ECON 830V - Econometrics</td>
<td>3</td>
</tr>
</tbody>
</table>

*Electives required for students demonstrating satisfactory mathematical skills. In that case, add 3 hours to electives.

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

Suggested Specializations:

<table>
<thead>
<tr>
<th>Specialization</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economic Theory</td>
<td>12 hours</td>
</tr>
<tr>
<td>ECON 826V - Quantitative Economic Methodology</td>
<td>3</td>
</tr>
<tr>
<td>ECON 827V - Macroeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 828V - Monetary Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 835V - Seminar in International Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 865V - Seminar in Labor Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Energy and Regulatory Economics (6-9 hours)

<table>
<thead>
<tr>
<th>Course requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 821M - Competition and Monopoly in American Industry</td>
<td>3</td>
</tr>
<tr>
<td>ECON 831M - Public Utility Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 835M - Environmental Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

III. Natural Resource Economics

<table>
<thead>
<tr>
<th>Course requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 836V - Natural Resource Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

DEGREE REQUIREMENTS

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### DEGREE REQUIREMENTS

As an applicant for admission to the Specialist in Education degree (without endorsement) in the Department of Educational Administration, Supervision, and Foundations, and Master’s degree, one must hold a Master’s degree from an accredited institution.

These programs of study are designed to best harmonize the student’s needs and ambitions, articulated with the Master’s Degree, the total program must accumulate to not less than 66 graduate semester hours. The program is carried out under the direction of a graduate faculty supervisory committee. Prior to admission to candidacy, the student must successfully pass the designated qualifying examination.

#### Program in Educational Foundations

**Master of Science**

Urban Education

The Master of Science program in Urban Education is designed for graduate students who are interested in exploring the contemporary issues confronting urban educational institutions. The range and depth of the inter-disciplinary course offerings in this program provide a varied, challenging, and relevant experiences for both classroom teachers and community workers in allied professional fields. Students in this sixty-six hour program will increase their competence and expertise in functioning not only in the educational setting of the urban classroom, but also within the wider community milieu.

It is expected that students will be able to critically analyze the logic and structure of the educational institution, and the interaction of education and other primary socializing agencies.

Many of the courses offered in the program are designed specifically to facilitate an analysis of the ethnic, racial, and social characteristics of the contemporary urban scene.

It is also expected that students will develop an awareness of and the ability to handle the learning problems of urban youth. The program emphasizes a cultural awareness and appreciations the varied lifestyles within the urban setting, and specific skills to function effectively as an educator.

In addition, attention will be focused on a critique of existing programs and the development of new strategies for change and the improvement of education.

In order to enter this program, a person must hold a Bachelor’s degree from an accredited institution and submit a completed application form for graduate studies and a transcript of all previous college work.

**Program Requirements**

**Core (12 hours)**

- ECON 820V, Microeconomic Theory
- ECON 822V, Macroeconomic Theory
- ECON 830M, Quantitative Applications in Economics and Business*
- ECON 830V, Econometrics

*Note required for students demonstrating satisfactory mathematical skills. In that case, add 3 hours to electives.

**Suggested Specializations**

1. Real Estate and Land Use Economics
   - BA 860V, Real Estate and Land Use Economic Theory
   - BA 861V, Current Problems in Real Estate
   - BA 899V, Thesis**

2. Urban/Regional Economics
   - Electives, include ECON 899V

**Master of Arts**

The M.A. program consists of: core requirements (12 hours), an elected specialization (9 or 12 hours), electives (including 6 hours of thesis). Total hours required: 30.

**Program in Educational Administration, Supervision, and Foundations**

**Educational Administration, Supervision, and Foundations**

**Master of Science**

- Program in Educational Administration and Supervision
- Program in Educational Foundations

**Master of Arts**

- Program in Educational Administration and Supervision
- Program in Educational Foundations

### ENGLISH

- Master of Arts
  - To be admitted to graduate study in English, a student should have completed at least eighteen credit hours in undergraduate English courses above the freshman level with an average grade of "B" or above.

All candidates for Master of Arts degrees with majors in English are required to take English 801 V (Introduction to Literary Research) within the first nine hours of graduate study, and to complete one of the following plans of study:

**Plan A**

- Successful completion of 24 credit hours in coursework, including at least 12 hours in 800V level courses; plus a thesis (6 credit hours) on an approved topic accepted after oral defense before a faculty committee; plus a written examination prepared and judged by a faculty committee.

**Plan B**

- Successful completion of 36 credit hours in coursework, including at least 18 hours in 800V-level courses; plus a written examination prepared and judged by a faculty committee.

The following English seminars in major periods vary in emphasis and may be repeated for credit.
Study. For Plan A (thesis) a minor is six hours; for Plan B (non-thesis) a minor is nine hours. The maximum amount of course work which may be applied from another discipline or disciplines is the same as that for a minor for Plan A (six hours) or Plan B (nine hours).

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

1. Satisfactory completion of the following four courses:
   a. Eng. 853M, Introduction to Linguistics
   b. Eng. 878M, Structure of English
   d. Eng. 896M, Studies in Linguistics (Teaching English as a Second Language)

2. For all students except those with a major or teaching field concentration in a foreign language, demonstrated oral and written competence in a second language as certified by the Department of Foreign Languages.

3. For students whose language of nurture is not English, demonstrated oral and written mastery of English as certified by the Department of English.

The Certificate in Course, granted by the Board of Regents, is not a certificate to teach in the public schools of Nebraska or any other state. It is an academic credential only. Students who want certification to teach in the public schools must follow the procedures and courses of study prescribed by the College of Education. The requirements for certification to teach English as a second language in American public schools vary widely from state to state.

GEOGRAPHY

Master of Arts

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

One course is required. History and Philosophy (300V). In addition, all students are expected to attend General Seminar. The remainder of the program consists of courses scheduled by the student with the advice of the Graduate Program Committee. At least one-half of all course work must be in V-level courses. All students must pass a written and oral comprehensive examination prior to undertaking thesis work.

Admission Requirements

In addition to the requirements of the Graduate College, an applicant for admission to the Master of Arts degree program in geography must present a prerequisite minimum of 15 undergraduate semester hours of geography including physical and human geography and cartography, plus at least three hours in spatial analysis, quantitative methods, or mathematical statistics. Applicants are furthermore advised to include computer science in their program of study. The applicant must have a GPA in geography of at least 3.0 on a 4.0 scale.

GERONTOLOGY

Certificate in Gerontology

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

Requirements

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

2. Coursework requirements consist of a minimum of 15 semester hours in Gerontology. The only required course is GERG 811M—Applied Social Gerontology (3 semester hours); the other 12 hours (usually four graduate level courses) in Gerontology are selected by the student in consultation with the Academic Coordinator of the Gerontology Program. In this manner, individualized programs of study are developed for each student to best meet his or her career goals and interests.

3. A one semester full-time practicum or its equivalent is also required. The goal of this is to give each student practical one-on-one experience with the aged in a service program or agency delivering services to the elderly. Practicum students must register for GERG 894M—Practicum and participate in periodic seminars with the Practicum Supervisor of the Gerontology Program.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

The School of Health, Physical Education, and Recreation offers graduate courses in the areas of health education, physical education and recreation/leisure studies. The Master of Arts and the Master of Science degrees are offered with a major in Health, Physical Education and Recreation.

MASTER OF ARTS (36 hours)

M A S T E R OF S C I E N C E (30 hours)

1. HPER Core (6 hrs.)
   - HPER 803V Research in HPER
   - HPER 822V Problems and Issues in HPER

2. HPER Specialization* (12-24 hrs.)
   - HPER 810V Research Project
   - HPER 830V Analysis of Research and Literature in HPER
   - HED 855M Health Aspects of Aging
   - HED 825V Human Sexuality
   - HED 833V Alcohol Education for School Personnel
   - PE 893M Measurement and Evaluation in Physical Education
   - PE 894M Physiology of Exercise
   - PE 896M Topics of Sports Medicine
   - PE 824V Sport in American Culture
   - PE 832V Curriculum in Physical Education
   - PE 837V Improvement of Instruction in Physical Education
   - PE 840V Motor Learning and Performance
   - PE 845V Kinesiological Analysis of Movement Skills
   - RED 824M Organization & Administration of Recreation
   - RED 830M Recreation Programming
   - RED 851M Recreation for the MI & MR
   - RED 852M Recreation for the Aged
   - RED 853M Therapeutic Recreation: Activity Analysis
   - RED 854M Therapeutic Recreation: Delivery Models
   - RED 841V Outdoor Recreation Resource Planning
   - HPER 899V Thesis

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

HISTORY

Master of Arts

Admission to M.A. Program

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

2. Students may be admitted provisionally who have less than 21 (twenty-one) hours of undergraduate preparation, or who have not achieved a 2.75 overall grade average. They shall be removed from provisional status when they become eligible for and have achieved candidacy.

3. As an incoming student, not having Historical Research (Hist 493) or its equivalent, must take Hist 493 on a non-graduate credit basis.

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

M.A. Program with Thesis (Option I)

The program for the Master of Arts degree (Option I) with a major in History will consist of two three-hour segments, and the minor area examination will be over the specific courses taken for the minor. The major area examination will be of six hours duration (two three-hour segments), and the minor area examination will be over the specific courses taken for the minor.

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

M.A. Program without Thesis (Option II)

1. Under this plan the student may earn a Master of Arts degree by completing successfully thirty-six hours of course work, at least half of which must be earned in courses open only to graduate students (V Series). No more than nine (9) hours of credit may be taken by a student under courses numbered 200-399.

2. In addition to showing broad competency in history, the candidate must give proof of research ability and proficiency in writing. This normally will be done in research seminars and independent research projects.

3. While there is no requirement for a minor in some field other than history, the student may elect to minor in some other field, such minor to consist of no less than six graduate credit hours and no more than nine graduate hours. Permission to take a six-hour minor may be granted by the adviser's permission, and the approval of the Graduate Program Committee.

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

5. When the student initially enrolls, he shall, in conference with the chairperson of the Graduate Program Committee of the Department of History, choose his adviser. The chairperson of the Graduate Program Committee of the History Graduate Program Committee shall, after consultation with the student and his 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 interests. 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 sponsor to take the comprehensive written examination. The examination will be given three times during the year: during the eleventh week of the fall semester, during the eleventh week of the spring semester, and during the second week of the first summer session.

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

a. If the major area of study is European/English history, the examination will be comprehensive, taking into consideration the student's program of study. The non-European/English portion of the examination will be over the specific courses taken for the minor. The major area examination will be of six hours duration (two three-hour segments), and the minor area examination will be over the specific courses taken for the minor.

b. If the major area of study is American history, the examination will be comprehensive, taking into consideration the student's program of study. The American/English portion of the examination will be over the specific courses taken for the minor. The major area examination will be of six hours duration (two three-hour segments), and the minor area examination will be over the specific courses taken for the minor.

DEGREE REQUIREMENTS

Home Economics graduate offerings at UNO may be used as a minor (HDF, Nutr. Mgt. or TCD) for those pursuing programs in another discipline. The minor portion should be determined in consultation with a designated member of the Graduate Faculty from Home Economics.

UNO courses may also be used to satisfy requirements for the Master of Arts degree in other fields.

Admission to the graduate program in the College of Home Economics requires presentation of the successful completion of an undergraduate major in Home Economics from an accredited institution. Departments within the college may specify different course deficiencies.

Application for a graduate degree program in Home Economics is to be made to Graduate Studies. The student working toward this degree will, at an appropriate time, initiate a graduate program to consult with the chairperson of the Home Economics Program or the Department of Home Economics. The undergraduate work must have included the equivalent of 24 hours of Home Economics, distributed in at least three subject matter areas and 20 hours in Natural and Social Sciences including a minimum of 9 hours in the Natural and Social Sciences.

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Separate programs leading to the Master of Arts degree in Home Economics may be completed under Option I, II, or III.

Work leading to the master's degree in Home Economics may be completed under Option I, II, or III. The student must complete a minimum of 30 hours of graduate study in the major field and must maintain a grade point average of 2.5 or better. The student must also complete a minimum of 6 hours of coursework in a related field. The student must complete a minimum of 12 hours in courses taken during the last two years of the program. The student must pass a comprehensive examination in the major field. The examination must be taken during the last two years of the program. The examination must be taken during the last two years of the program.

The comprehensive examination must be taken within 12 months following the initial failure.

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

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

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In planning for a comprehensive examination (or reexamination), students should be cognizant of the six-year limit for completion of degrees as set forth by the College for Graduate Studies and Research.
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 for the Basic General Education Core in Home Economics plus a major of at least 18 hours of exclusive of freshmen 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 possessing a bachelor's degree of an accredited institution and by completing a minimum of 12 hour of undergraduate course work beyond the freshman level in Textiles, Clothing and Design or equivalent from a related area such as Art or Architecture. The graduate advisory committee will consider the qualifications for admission of applicants for study in Textiles, Clothing and Design and leading to a Master of Science or Master of Arts degree and will make recommendations to the Graduate College. Deficiencies as assessed by an individual basis may be removed concurrently with graduate study.

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

MATHEMATICS

Admission Requirements: Admission to a degree program is based on evidence of mathematical ability. An applicant is usually expected to have completed fifteen acceptable credits in undergraduate mathematics beyond calculus, and to have an average of B or better in the last two undergraduate years. In some cases where the above criterion is not met, a provisional admission may be granted provided the applicant is willing to take some preliminary course work that will not apply toward the degree.

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

a. Earn a total of 36 acceptable credits, at least 24 of which must be in mathematics.
b. Choose mathematics courses which carry a number of 800M or above and at least 18 credit hours which carry a number of 800V or above.
c. Include mathematics courses 822M-824M, 827M and one of the following sequences: 811M-812M, 830M-831M, 853M-854M.
d. Maintain a "B" average in all of his work with no grade lower than a "C," and no more than two grades of "C."e. Pass a written comprehensive examination.

Admission Requirements for Master of Arts for Teachers of Mathematics (M.A.T.)
A student meeting the following two 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 course work and at least 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.

Master of Arts for Teachers of Mathematics
To obtain the M.A.T. degree, the student must:

a. Earn a total of 36 credits, of which 24 must be in mathematics.
b. Include in his program mathematics courses 801T, 802T, 803T, 804T, 823J-870J, and at least one math course at the 800M level or above (Courses 823J-870J may be waived if the equivalent undergraduate courses have been taken).
c. Include in his program secondary education courses 850V, 851V, and at least one additional secondary education course selected from 825V, 830V, 831V, 890M, 944V, or 936V.

DEGREE REQUIREMENTS

POLITICAL SCIENCE

Admission Requirements: An applicant for admission to the Master of Arts or Master of Science program must meet one of the following prerequisites: a minimum of fifteen semester hours of undergraduate course work in Political Science or their equivalent as determined by the departmental Graduate Admissions Committee. For unconditional admission, the applicant must have at least a 3.0 grade point average in undergraduate political science course work and must satisfy the Graduate College GRE requirements. In addition, the department requires two letters of recommendation from persons who are in a position to evaluate the applicant’s potential for graduate study. Before an applicant can be considered for unconditional admission.

Master of Arts
Degree Requirements: The program is intended for those who expect to pursue a doctoral degree. The student must satisfactorily complete thirty-six semester hours, twenty-four of course work and six of thesis supervision. Students must maintain a B (3.0) average in their course work, receiving no more than one grade of "C." The thesis is expected to be a mature piece of scholarship. From the four subfields of Political Theory, American Politics, Comparative Politics and International Politics, the student will select an emphasis in two. Twelve hours of course work will be taken in one area of emphasis and six hours in the other. The remaining course work is elective and may include cognate courses in related disciplines. The forty-eight-hour courses must be at the V level, including 800V (Research Methods). There will be written comprehensive examinations in the two emphasized fields and an oral defense of the thesis.

Master of Science
Degree Requirements: This advanced non-thesis program is specifically designed to enhance career goals in the public service, education and business fields. Thirty-six hours of course work are required. The student will select courses from the Political Science curriculum but may include up to nine hours of cognate courses in related disciplines. Students must maintain a B (3.0) average in their course work, receiving no more than one grade of "C." Students must pass written comprehensive examinations covering their areas of study. The aim is to tailor each student's program to fit his or her personal or career interests.

PROFESSIONAL ACCOUNTING

Objectives of the MPA Program
The primary objective of the Master of Professional Accounting degree program is to provide a graduate level educational experience as a basis for a career in professional accounting. Students with or without undergraduate degrees in accounting may be admitted to this program. The program provides a broad-based preparation for individuals seeking careers in public, private, or not-for-profit organizations.

By choosing specific elective courses, however, individuals desiring a particular career path may pursue some specialization.

The MPA program is designed for dedicated students with career aspirations demanding a high level of expertise. As such, the program involves both intensive and extensive professional preparation. It requires an intensive analysis of the accounting discipline while providing an extensive base in the related disciplines, finance, and quantitative methods. The program provides the foundation for an accounting career with a lifelong educational process. Upon completion of the program, the student will have the educational background required for the following professional examinations: Certified Public Accountant (CPA), Certified in Management Accounting (CMA), or Certified Internal Auditor (CIA).

Program of Study
The first year of the MPA program focuses on the Common Body of Knowledge as defined by the AACSB and the required sufficient undergraduate accounting preparation to pursue graduate education. These courses may be waived upon satisfactory evidence of prior preparation. In the second year, student complete a core of required courses in accounting and the supporting disciplines. It is 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.

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

\[
\text{GMAT Score} + \text{Undergraduate GPA} = 1070
\]
Foreign students must provide letters of recommendation, statements of financial independence, and evidence of ability to speak and write the English language. The baccalaureate degree must have been received from an institution accredited by the proper accrediting agencies.

### Foundation Courses* (36 total semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acc 811H Survey of Accounting</td>
<td>BA 814H Business Law Survey</td>
</tr>
<tr>
<td>Acc 302 Tax Accounting</td>
<td>BA 815H Survey of Mgmt. Thought</td>
</tr>
<tr>
<td>Acc 302 Intermediate I</td>
<td>BA 817H Quantitative Survey</td>
</tr>
<tr>
<td>Acc 304 Intermediate II</td>
<td>BA 818H Foundations of Economics</td>
</tr>
<tr>
<td>Acc 305 Cost Accounting</td>
<td>BF 325 Corporation Finance</td>
</tr>
<tr>
<td>Acc 408 Principles of Auditing</td>
<td>MKT 331 Marketing</td>
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</tbody>
</table>

*Note: Some or all of these courses may be waived based upon evidence of satisfactory undergraduate preparation or equivalent experience.

### Master of Professional Accounting* (36 total semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acc 821V Accounting Theory</td>
<td>**Acc 825V Seminar in Accounting</td>
</tr>
<tr>
<td>Acc 823V Controllership</td>
<td>**Acc 825V Seminar in Accounting</td>
</tr>
<tr>
<td>**Acc 825V Seminar in Accounting</td>
<td></td>
</tr>
<tr>
<td>Accounting Electives (9 hrs.)</td>
<td></td>
</tr>
<tr>
<td>Acc 801M Advanced Accounting</td>
<td>Acc 824V Professional Problems</td>
</tr>
<tr>
<td>Acc 804M Advanced Tax Accounting</td>
<td>Acc 825V Seminar in Accounting</td>
</tr>
<tr>
<td>Acc 807M Not-For-Profit Accounting</td>
<td>Acc 826V Tax Research &amp; Planning</td>
</tr>
<tr>
<td>Acc 809M Financial Auditing</td>
<td>Acc 890V Independent Research</td>
</tr>
<tr>
<td>Acc 822V Advanced Tax Accounting</td>
<td>BA 803V Business Information Systems</td>
</tr>
<tr>
<td>Required Tool Courses (12 hrs.)</td>
<td></td>
</tr>
<tr>
<td>BA 800V Quantitative Analysis</td>
<td>BA 850V Financial Management</td>
</tr>
<tr>
<td>BA 810V Managerial Economics</td>
<td>BA 880V Policy, Planning &amp; Strategy</td>
</tr>
</tbody>
</table>

### Other Electives (6 hrs.)

In consultation with a faculty advisor, six (6) hours of additional graduate work may be selected.

### PSYCHOLOGY

**Admission Requirements:** A minimum of 15 undergraduate semester hours of psychology courses including basic statistics and an upper level laboratory course emphasizing the experimental method, data collection, statistical analysis, and report writing; Graduate Record Examination scores on the Verbal, Quantitative, and Analytical sections. The Advanced GRE in psychology is not required for admission to the Master's program, but is required of students who are applying for a graduate assistantship and/or the Master of Arts. Although the advanced GRE is not required for admission to the Master's program, a score of 240 or above on the Master's program is required for passing the comprehensive examination and may be achieved at any time (either before or after admission).

- A course in research design and methodology is required for admission to the Master's program.
- A course in research design and methodology is required for admission to the Master of Arts program. The Advanced GRE in psychology is not required for admission to the Master's program, but is required of students who are applying for a graduate assistantship and/or the Master of Arts. Although the advanced GRE is not required for admission to the Master's program, a score of 240 or above on the Master's program is required for passing the comprehensive examination and may be achieved at any time (either before or after admission).

- The evaluation of admission for all students applying to the Master's program is based primarily on the student's overall undergraduate GPA and any graduate coursework completed since graduation with the average of the three subtests composing the Aptitude portion of the GRE divided by 100. A student is admitted if he or her composite score is 8.0 or greater. A student whose composite score falls below 8.0 is not likely to be admitted and should be discouraged from applying.

- Letters of recommendation are not required. However, applicants who believe that such letters would provide information that is important and not clearly communicated in other documents are encouraged to submit them.

### DEGREE REQUIREMENTS

#### Master of Arts

To complete the M.A. degree with a major in psychology, the student must present 36 hours of graduate work in psychology, or 21 hours in psychology plus 9 hours in a related minor field. Up to 6 hours of thesis credit are to be included in this total.

The student must choose one course from each of the following four groups. These courses must be completed within the first 16 hours of graduate work.

I. **Psychology 904 (Proseminar in Learning)**
II. **Psychology 911 (Proseminar in Personality)**
III. **Psychology 912 (Proseminar in Clinical Psychology)**
IV. **Psychology 943 (Proseminar in Industrial/Organizational Psychology)**

The student must earn a grade of at least B in the four required proseminars. If either a C is earned, or an unsatisfactory grade (D) is recorded in a proseminar course, the student's research paper must be retaken and completed with a grade of B or better. Students must earn a grade of at least B in each of the above courses.

- Students must elect a thesis, written thesis, or a project as their final requirement. The thesis or project may be taken for the Master of Arts degree only. The thesis or project is to be based on supervised research and must be approved by the student's advisor. The thesis or project is to be completed within the first 24 hours of graduate work.

- The culmination of the student's course work is elective, but must be planned in conference with the academic advisor, in order to meet the individual needs and interests. Psychology 800V is a non-credit course intended to familiarize the beginning graduate student with the profession of psychology and is required of all graduate students in psychology. The student may elect any of the following areas: quantitative, physiological, developmental, educational, educational psychology, and industrial/organizational psychology. Final determination of a student's plan of study always resides with the advisor and the department. To meet the graduate college requirements, a student must take at least half of the work in courses which are open only to graduate students.

#### Master of Science

To complete the M.S. degree with a major in psychology, the student must present 36 hours of graduate work in psychology, or 21 hours in psychology plus 9 hours in a related minor field. Up to 6 hours of thesis credit are to be included in this total.

The M.S. degree has the same proseminar requirement as the M.A., and all rules concerning proseminar courses are the same in both degree programs, as well as the requirement of Psychology 800V.

Additional required course work may be designated by the department. This may include 6 hours in psychology, or 21 hours in psychology plus 9 hours in a related minor field. The remainder of the student's course work is elective, but must be planned in conference with the academic advisor. In order to meet the individual needs and interests, Psychology 800V is a non-credit course intended to familiarize the beginning graduate student with the profession of psychology and is required of all graduate students in psychology. The student may elect any of the following areas: quantitative, physiological, developmental, educational, educational psychology, and industrial/organizational psychology. Final determination of a student's plan of study always resides with the advisor and the department. To meet the graduate college requirements, a student must take at least half of the work in courses which are open only to graduate students.

#### Specialist in Education

The Ed.S. degree requires completion of 66 graduate hours including those taken for the Master's degree. The requirements for this degree are the same as for those leading to certification as a School Psychologist with one addition. The degree candidate must write and defend a thesis which deals with research or supervised experience in the area of school psychology.
Experimental Child Psychology

Doctoral students in this program are required to complete the entire pre-seminar series of eight courses as outlined above or their equivalent if the student has completed graduate coursework elsewhere. In addition, the following courses are required: Memory and Learning, Social and Personality Development, Cognitive Development, Language Development, Practicum in Developmental Psychology, and Dissertation. The remaining hours of coursework are determined by the student and the supervisory committee.

Developmental Psychobiology

Doctoral students in this program are required to complete the entire pre-seminar series of eight courses as outlined above or their equivalent if the student has completed graduate coursework elsewhere. In addition, the following courses are required: Animal Behavior, Neuroanatomy, Seminar in Developmental Psychobiology, 9 hours of biological science, and Dissertation. The remaining hours of coursework are determined by the student and the supervisory committee.

Summary of Procedure for the Doctor of Philosophy Degree

This summary of procedure should be studied carefully in connection with the Graduate College calendar.

1. Admission to the UNL Graduate College by the evaluation of official transcripts presented in person or by mail prior to registration.
2. Registration after consultation with advisers in major and minor departments.
3. Appointment by the UNL Graduate Office of a supervisory committee on the recommendation of the departmental or area Graduate Committee.
4. Submission to the UNL Graduate Office of a program approved by the supervisory committee setting forth the complete plan of study for the degree prior to completion of more than half of the minimum requirements.
5. Satisfactory completion of foreign language or research tool requirements set forth in the approved program and passing of comprehensive examinations in major and minor or related fields when the student's program of courses is substantially completed.
6. Submission to the UNL Graduate Office of a report from the supervisory committee on the specific research for the dissertation and progress to date.
7. Admission to candidacy for the Ph.D. degree by filing a report in the Graduate Office of the passing of the comprehensive examinations and the completion of language and research tool requirements (at least seven months before the final oral examination). The term of candidacy is limited to three years.
8. Approval of an agreement for microfilming the dissertation and publication of the abstract, with the UNL Director of the University Libraries. Delivery of the certificate of deposit, signed by members of the supervisory committee, the UNL Director of University Libraries, and UNL Comptroller, to the Graduate Office. In addition, one bound copy of the dissertation is to be deposited with the student's major department.

Professional Programs in the Area of School Psychology

Application

Applications for admissions to the programs in school psychology must be filed with the School Psychology Committee of the Psychology Department. The application should include official transcripts of all previous college work, scores for the Graduate Record Examination Aptitude Test, a vita, and three letters of recommendation. Students who have not been admitted to Graduate College should apply to the Director of Admissions, also. Applications must be completed by April 1 for the following Fall semester. A second application period is possible, openings exist. These applications must be completed by November 1 for the following Spring. Before a final decision is made concerning admission the applicant must be interviewed by at least two members of the School Psychology Committee.

Certification

Students may take work leading to a recommendation for certification as a school psychologist. A minimum of thirty semester hours of work beyond the Masters degree is required for the recommendation. Practicum, an acceptable plan of study, and a final report. The Graduate Office will be required on admission to the program. Students will arrange their programs according to the subject matter prerequisites. In addition to the courses required for the 30 hours beyond the Masters degree the student must complete the Practicum for the Master of Science in Educational Psychology or its equivalent. Since individual students may have had previous work experience which is applicable to the degree requirements, the student should consult the School Psychology Committee before admission.
PUBLIC ADMINISTRATION

Master of Public Administration

The Master of Public Administration (MPA) is a professional graduate degree designed: (1) to prepare students for careers in the public service — national, state, local or nonprofit agencies and (2) to provide research methods and opportunities for those already in the public service. Professionals with general administrative skills are needed in all areas of government. The MPA Program stresses the development of management and administrative abilities, important to both staff specialists and administrators.

Students in the MPA Program will likely come from widely differing backgrounds. Some may come from current public employment and professions such as law, hospital administration and business administration while others may enter with degrees in the social sciences, engineering, business, human services, or the humanities. The MPA courses are regularly offered at night to meet the needs of full-time employees.

The Department of Public Administration is a member of the National Association of Schools of Public Affairs and Administration (NASPAA). In 1980, The MPA Program was placed on the National Register of Programs found to be in substantial conformity with NASPAA Standards for Professional Masters Degree Programs in Public Affairs and Administration.

Degree Requirements

Thirty-nine graduate credit hours are required for the MPA degree, including 36 hours of course work and a three-hour internship. The course work will include 18 hours of core courses, required of all MPA students. The elective courses, chosen by the student with the assistance of a departmental advisor, may include one of the 12-hour options listed below or, on occasion, include a separate 12-hour plan of study designed to meet a particular set of career development needs.

The internship requires the equivalent of 15 weeks work at 30 hours per week in a staff position with a public or quasi-public agency. The internship requirement may be waived for prior professional or administrative service in a public or nonprofit agency. Where the internship is waived, an additional three-hour elective will be substituted.

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

Admission

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

To be admitted unconditionally, the student must have achieved a grade average of 3.00 on a 4.00 system for either the full undergraduate program, for the undergraduate major of Public Administration, or for the junior-senior years and must follow 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 completed some of the four examinations (GRE, MAT, GMAT, LSAT). Exceptions to the 2.70 grade average may be made by the Graduate Program Committee in conjunction with the Graduate Dean where the applicant:

- has demonstrated ability to progress in public sector administration; or
- has a graduation date at least four years previously to application; or
- has demonstrated through recent course work an ability to successfully complete graduate work.

Application for Certification

In accordance with University of Nebraska at Omaha guidelines, students must apply for candidacy for the degree when: (1) a minimum of six hours of graduate credit necessary to the degree program have been completed; (2) a grade average of 'B' with no grade lower than 'C' has been earned; and (3) the appropriate graduate examination scores (GRE, MAT, GMAT, or LSAT) have been placed on file with the Graduate Office.

The following courses may be required, depending upon a student's academic and professional background:

1. PA 300V Seminar in Research Methods

The Department of Public Administration has six core courses, required for all MPA students.

1. PA 840M Public Budgeting
2. PA 841M Public Personnel Management (or PA 846V, Seminar in Public Personnel Management if credit has been earned in undergraduate PA 441 courses)
3. PA 842V Seminar in Introduction to Public Organizations
4. PA 844V Seminar in Organization Development in Public Agencies
5. PA 845V Seminar in Advanced Management Analysis
6. PA 848V Seminar in Public Financial Administration

The following courses may be required, depending upon a student's academic and professional background:

1. PA 300V Seminar in Research Methods

Core and Required Courses

The Department of Public Administration has six core courses, required for all MPA students.

1. PA 840M Public Budgeting
2. PA 841M Public Personnel Management (or PA 846V, Seminar in Public Personnel Management if credit has been earned in undergraduate PA 441 courses)
3. PA 842V Seminar in Introduction to Public Organizations
4. PA 844V Seminar in Organization Development in Public Agencies
5. PA 845V Seminar in Advanced Management Analysis
6. PA 848V Seminar in Public Financial Administration

The following courses may be required, depending upon a student's academic and professional background:

1. PA 300V Seminar in Research Methods

Other Options

1. PA 305V Survey of Public Administration

The Department of Public Administration has six core courses, required for all MPA students.

1. PA 840M Public Budgeting
2. PA 841M Public Personnel Management (or PA 846V, Seminar in Public Personnel Management if credit has been earned in undergraduate PA 441 courses)
3. PA 842V Seminar in Introduction to Public Organizations
4. PA 844V Seminar in Organization Development in Public Agencies
5. PA 845V Seminar in Advanced Management Analysis
6. PA 848V Seminar in Public Financial Administration

The following courses may be required, depending upon a student's academic and professional background:

1. PA 300V Seminar in Research Methods

Optional Areas

General Public Administration (12 hours from the following selected list in consultation with advisor. It is possible under exceptional circumstances to substitute other courses with approval of advisor.)

• PS 804M The Legislative Process
• PS 805M The Judicial Process
• PS 843M Municipal Administration
• PS 810V Seminar in Public Local and State Government
• Econ 856M State and Local Finance
• Econ 857V Seminar in Regional Economics
• Econ 858M State and Local Finance
• Econ 860V Seminar in Public Policy
• Econ 861V Seminar in Public Policy
• Econ 862V Seminar in Government
• Econ 863V Seminar in Government
• Econ 864V Seminar in Government
• Econ 865V Seminar in Government
• Econ 866V Seminar in Government
• Econ 867V Seminar in Government
• Econ 868V Seminar in Government
• Econ 869V Seminar in Government
• Econ 870V Seminar in Government
• Econ 871V Seminar in Government
• Econ 872V Seminar in Government
• Econ 873V Seminar in Government
• Econ 874V Seminar in Government
• Econ 875V Seminar in Government
• Econ 876V Seminar in Government
• Econ 877V Seminar in Government
• Econ 878V Seminar in Government
• Econ 879V Seminar in Government
• Econ 880V Seminar in Government
• Econ 881V Seminar in Government
• Econ 882V Seminar in Government
• Econ 883V Seminar in Government
• Econ 884V Seminar in Government
• Econ 885V Seminar in Government
• Econ 886V Seminar in Government
• Econ 887V Seminar in Government
• Econ 888V Seminar in Government
• Econ 889V Seminar in Government
• Econ 890V Seminar in Government
• Econ 891V Seminar in Government
• Econ 892V Seminar in Government
• Econ 893V Seminar in Government
• Econ 894V Seminar in Government
• Econ 895V Seminar in Government
• Econ 896V Seminar in Government
• Econ 897V Seminar in Government
• Econ 898V Seminar in Government
• Econ 899V Seminar in Government

Gerontology Option (12 hours to include courses from the following selected list in consultation with advisor to fit the student's particular needs.)

• Gen 811M Applied Social Gerontology
• Gen 835M Health Aspects of Aging
• Gen 836M Gerontology Psychology
• Gen 892M Special Studies in Gerontology
• SW 814V Social Work Practice I (Macro)
• SW 828V Social Work Practice II (Macro)
• SW 862W Social Welfare and Institutional Racism

Local Government Option (12 hours from the following selected list in consultation with advisor. It is possible under exceptional circumstances to substitute other courses with approval of advisor.)

• Gen 812M Urban Geography
• PA 842M Municipal Administration
• Econ 856M State and Local Finance
• PA 810V Seminar in Public Administration
• PA 830V Seminar in Public Policy
• PA 865V Seminar in Public Administration
• PA 881V Seminar in Metropolitan Planning and Development
• Econ 885V Social Work Practice I (Micro)
• PA 882V Readings in Public Administration
• PA 894V Research in Public Administration

In accordance with the ethical guidelines of the American Psychological Association and the National Association of School Psychologists.

Application forms should be filled out by the student — in consultation with a faculty adviser — as soon as possible. Comprehensive examination and subject matter examination may be required.
Public Works-Civil Engineering Option (12 hours from the following selected list in consultation with adviser.)

Traffic Engineering
Transportation Geometrics
Urban Transportation Planning
Transportation Planning and Economics
Environmental Quality and Control
Environmental Pollution Control
Water Resources
Water Resources Planning
Case Studies in Water Resources
Construction Management

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

Human Behavior and the Social Environment
Social Work Policy and Services
Task Groups in Macro Practice
Social Work Administration
Social Work Planning
Supervision in Social Work
Advanced Policy Analysis and Implementation
Social Work Practice in Mental Health
Social Work Practice in Child Welfare
Alcohol Abuse Comprehensive Treatment Program
Special Studies in Social Welfare

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

Traffic Engineering
Transportation Geometrics
Urban Transportation Planning
Transportation Planning and Economics
Environmental Quality and Control
Environmental Pollution Control
Water Resources
Water Resources Planning
Case Studies in Water Resources
Construction Management

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

Human Behavior and the Social Environment
Social Work Policy and Services
Task Groups in Macro Practice
Social Work Administration
Social Work Planning
Supervision in Social Work
Advanced Policy Analysis and Implementation
Social Work Practice in Mental Health
Social Work Practice in Child Welfare
Alcohol Abuse Comprehensive Treatment Program
Special Studies in Social Welfare

The option stresses the planning process and related skills and techniques. Students selecting this option should plan on taking one or more courses on the Lincoln campus in order to complete the program expeditiously.

Required courses:

CRP 811 Urbanism and Planning in the U.S.
CRP 813 Planning Process and Theory
CRP 411/815 Housing Renewal and Development
CRP 822 Research Methods for Planning
CRP 828 Planning Administration and Implementation
CRP 897 Selected Topics in Planning
CRP 898 Special Problems in Planning
CRP 913 Planning and the Natural Environment
CRP 917 Planning with Minority and Low Income Groups
CRP 924 Human Resource Planning

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

Biological 819 Communities and Ecosystems
Biology 893 Environmental Physiology
Biology 8120 Plant Ecology

The Law Enforcement Option (12 hours to include CJ 801V, Seminar in Criminal Justice Planning and Innovation, CJ 802V, Seminar in the Administration of Justice, CJ 812V, Criminal Justice Research and Practicum, Ethics in the Criminal Justice System, and one of the following: CJ 804V, Seminar in Community Services and Treatment, CJ 807V, Theoretical Criminology, CJ 809V, Seminar in the Processes of the Criminal Justice System, CJ 811V, Special Problems in Criminal Justice, or CJ 812V, Criminal Justice Research.)

SOCIAL WORK

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 interaction with the environment (i.e., family, friends, associates, and the community at large). Social workers themselves bring to the environment the resources of expertise and training that make this possible. They bear on their dealings with people individually, in families, in other groups and to their clients in various roles. The professional requires training in the collective associations, with communities, societies, and organizations that are necessary to human existence.

Bachelors candidates, social workers are employed in public and private counseling agencies and services, medical settings, schools, residential and community agencies providing care for the mentally ill and retarded and for other social agencies, community planning, and development agencies and programs, and research and planning agencies.

Their endeavors and interventions are designed to promote more effective functioning of society as it is. Their goals are to enhance the quality of the human being and to adapt it to the environment and the provision for the general welfare and the social, emotional, and mental health of the individual and the community. The solution of problems which cause stress in social interaction is the main purpose of social work. Social workers, as with other helping professionals, are skilled in the art of giving or receiving and processing emotional information. They are trained to give and receive emotional support, to inspire confidence, to encourage, to advise, to counsel, to comfort, and to help people talk through their problems. The role of the social worker is one of emotional support and guidance, of a kind that could be provided by an experienced and skilled friend or confidant.

Requirements for the Degree of Master of Social Work

1. A minimum of one year in residence.
2. There are two programs leading to the Master of Social Work degree. The Advanced Standing Program, for students with an approved Bachelor's degree in social work, requires 42 credit hours of graduate study in social work, which may be completed in a minimum of two semesters and a full summer. The Two-Year Program for students with a Bachelor's degree not in social work, requires the same 42 credit hours plus up to 20 graduate credit hours of social work foundation courses. Specific foundation course requirements are determined on the basis of each student's previous course work and/or tested knowledge.
3. Details about research, practicum, and other course requirements may be obtained from the School of Social Work.
4. The School of Social Work Student Handbook for other requirements.

SW 800V
Human Behavior and the Social Environment

SW 805V
Social Work Policy and Services

SW 850V
Task Groups in Macro Practice

SW 852V
Social Work Administration

SW 854V
Social Work Planning

SW 856V
Supervision in Social Work

SW 858V
Advanced Policy Analysis and Implementation

SW 860V
Social Work Practice in Mental Health

SW 866V
Social Work Practice in Child Welfare

SW 870V
Alcohol Abuse Comprehensive Treatment Program

SW 890V
Special Studies in Social Welfare

Comparative Law Enforcement Systems
Seminar in Community Services and Treatment
Seminar in Criminal Services and Treatment
Theoretical Criminology
Seminar in the Processes of the Criminal Justice System
Seminar in Delinquency Prevention, Control and Correction
Special Problems in Criminal Justice
Criminal Justice Research

SOCIOLGY

Applicants for admission to the graduate program in sociology should present a minimum of 15 undergraduate semester hours in sociology including a grade of B or better in social statistics and major related courses. Students may present courses only in one of the major areas of graduate study, which may be completed in a minimum of two semesters and a full summer. Students must also present scores from the general part on the Graduate Record Examination.

Examinations: Both the M.A. and M.S. (see below) degree programs in sociology require the student to complete an examination covering basic concepts and theories of the field. The examination is used in counseling the student in his degree program. In addition, the examination may be used in successful completion of comprehensive examinations.

The M.A. degree should be sought by students preparing for college-level teaching and graduate work only; the M.S. degree should be preparation for field or action application of sociology.

Master of Arts

The student is expected to complete Sociology 801V and a minimum of 21 additional graduate semester hours, including at least 9 semester hours of Sociology 800V-level work. A thesis is required. The student must pass four comprehensive examinations.

Two of these comprehensives — Social Theory, and Methodology and Statistics — are required of all graduate students; the remaining examinations are selected by the student in consultation with the graduate advisor. Note: Master's students may transfer between sociology and graduate studies in other programs to obtain the appropriate number of graduate credits.

Degree Requirements

65
### Admission Requirements

1. A valid teaching certificate
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 classes):
   - Graduate Record Examination — minimum score of 840 on the Verbal and Quantitative sections
   - Graduate Record Examination — minimum score of 1260 on the Verbal, Quantitative and Advanced Test in Education
   - Miller Analogies Test — minimum raw score of 33

### Comprehensive Examination

Students who seek the Master of Science Degree must take a written Comprehensive Examination. The examination is administered in two parts. Part I must be taken after the student has completed 18 hours of graduate work and before more than 24 hours are completed. This portion of the examination will deal with concepts common to the programs of all students who enroll in the Department.

Part II of the examination is administered during or after the semester or summer session in which the last course of the program of studies will be completed. This portion of the examination deals with concepts that are unique to each student’s program but may also be re-examined due to weakness revealed by Part I. Registration for this part of the examination must be made with the Department not later than the end of the seventh week of the semester in which the examination will be taken. If the examination is to be taken during the summer, registration must be completed by the end of the second week of the first summer session.

### 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 have prerequisites. Their graduate adviser will confer with them in planning for such courses. Students not pursuing a graduate degree will be admitted as unclassified graduate students. Normaly, no more than six hours taken as an unclassified student may be transferred into a graduate degree program.

### Elementary Education

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

### Reading

#### Master of Science

The Master of Science degree in Reading is designed to prepare students to become professional reading specialists. The program is intended to conform to the 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.

#### HOURS

<table>
<thead>
<tr>
<th>Course Description</th>
<th>HOURS</th>
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<tbody>
<tr>
<td>Research and Practice</td>
<td>12-18</td>
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<tr>
<td>Assessment and Evaluation</td>
<td>6</td>
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<tr>
<td>Reading Instruction</td>
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<td>Special Populations</td>
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### Secondary Education

#### Master of Science (with Minor)

<table>
<thead>
<tr>
<th>AREA</th>
<th>HOURS</th>
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<tbody>
<tr>
<td>English</td>
<td>9</td>
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<td>History</td>
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<td>Mathematics</td>
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| Core Courses | 18 |
| Research and Practice | 3 |
| Assessment and Evaluation | 3 |
| Reading Instruction | 3 |
| Special Populations | 3 |
| Education | 3 |
| Psychology | 3 |
| Social Studies | 3 |

#### Degree Requirements

| EED 819V, Diagnostic and Corrective Instruction | 6 |
| EED 840V, Innovations and Trends in Elementary Education | 6 |
| EED 843V, Introduction to Curriculum Planning — Elementary | 6 |
| EED 844V, Seminar in Elementary Education | 9-12 |
| EDAD 846V, Administration and Supervision in Elementary Schools | 6 |

### Relevant Courses

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<tr>
<th>Course Title</th>
<th>Core Courses</th>
<th>Research and Practice</th>
<th>Assessment and Evaluation</th>
<th>Reading Instruction</th>
<th>Special Populations</th>
<th>Education</th>
<th>Psychology</th>
<th>Social Studies</th>
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<td>EED 819V, Diagnostic and Corrective Instruction</td>
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<td>EED 843V, Introduction to Curriculum Planning — Elementary</td>
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<td>EED 844V, Seminar in Elementary Education</td>
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II. Professional Supporting Work

TED 837V, Analysis of Teacher Behavior
TED 646V, Simulation/Gaming Laboratory
TED 936V, Seminar in Application of Non-Verbal Communication Theory
TED 827V, International Curriculum Practices
TED 8, Improvement of Instruction for Appropriate Subject Area

III. Related Professional Courses

Courses that support ultimate goal of the student are approved by adviser in advance of any course enrolment. Substitutions not approved by adviser in advance of enrollment may not be included in the program. Acceptable alternatives should be included in the graduate program at the time it is filed. Seminars, research projects, practice, etc., outside the Department of Teacher Education may be taken only with special permission of the adviser before enrollment.

IV. Related Academic Courses

Students seeking the Master of Arts Degree with a major in Secondary Education are required to select work from the six areas indicated below. Minimum and Maximum hours that must be included from each area are indicated when such limits are applicable. Course names of types included in each are indicated where appropriate.

AREA

HOURS

I. SED Core Requirements

SED 825V, Seminar in Secondary Education
SED 830V, Emerging School Curriculum
A course selected from the following:

FED 801V, Introduction to Research
B. A research course in an academic discipline
c. Tests and Measurements
d. Statistics

TED 8, Improvement of Instruction for Appropriate Subject Area

II. Professional Supporting Work

TED 837V, Analysis of Teacher Behavior
TED 646V, Simulation/Gaming Laboratory
TED 936V, Seminar in Application of Non-Verbal Communication Theory
TED 827V, International Curriculum Practices

III. Thesis (SED 899)

IV. Related Professional Specialization Courses and/or Academic Courses

0-18
Total: 36 hours

URBAN STUDIES

Master of Science With a Major in Urban Studies

This is a professional graduate degree which is designed: (1) to prepare students for human service careers in an urban setting; (2) for research or teaching in this field; (3) for those already involved in urban work. Urbanists are being sought by a wide range of employers. Private corporations as well as public agencies are seeking employees who have a broad range of technical skills and an understanding of 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. For a student to be admitted unconditionally to the M.S. program he/she must have an undergraduate grade point average of at least 3.00 on a 4.00 system. In addition, if the student's undergraduate preparation in the social sciences is insufficient, additional preliminary work may be prescribed which will be graduate credit, but other courses do not carry credit.

Degree Requirements

Thirty-six semester hours of course work are required. A core of six required courses shall be completed, and nine credit hours must be taken from one of three areas of concentration. The required courses include Urban Studies 801V, 802V, 882M, 883V, 884V; and a graduate course in research methods. Courses applicable to the area of concentration may include but are not necessarily restricted to: Community and Regional Planning 811M, 813M, 815M, 924; Public Administration 800V, 814M, 815V; Sociology 810M, 814M, 875M; Gerontology 810M, 835M, 848M; Counseling and Guidance 800V, 829M, 879M; Geography 812M, 880V, 881V; A maximum of nine hours of optional credit may be selected from Economics 811M, 832M, 833M, 835V. History 843M, 844M, 847M; Geography 801M, 813M, 821V; or any of the courses listed above, subject to approval. Eighteen hours of the course work must be at the 800V level. The GRE must be taken during the first semester of enrollment.

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

NON DEGREE AREAS

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.

Curriculum and Instruction

This area includes those offerings which have or could have a broad (K-12) multi-grade level application. Offerings in this area and having the Curriculum and Instruction prefix (CI) are meant to serve students within the education profession by broadening their skill levels, making available merged talents of collegiate faculty and functioning within different or multi-level educational settings.

Foreign Languages

Graduate Foreign Languages courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Gerontology

The Gerontology Program does not offer a degree. Graduate courses are offered to fulfill requirements for a minor field or as selected courses on a plan of study. Therefore, the courses offered are not concentrated in one particular area, but are offered in a variety of areas to afford the student the opportunity of specializing in Gerontology within his major field of study or as a non-degree student.

Persons admitted to the Gerontology Program may earn the Certificate in Gerontology upon completion of at least fifteen semester hours of coursework in gerontology plus an approved practicum. The Certificate in Gerontology program can serve as a cognate area for graduate candidates in many of the human service and behavioral science degree programs.

Music

Graduate Music courses are offered to fulfill requirements for professional development or as cognate or selected courses on a plan of study.

Physics

Graduate Physics courses are offered to fulfill requirements for professional development or as cognate or selected courses on a plan of study.

School of Engineering Technology

Graduate courses in the School of Engineering Technology are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.
**COURSE DESCRIPTIONS**

**Art**

**Studio Art**

400/800M Special Studies in Art Education (1-3) A series of intensive courses in the history and theory of art education designed specifically for elementary and secondary school art teachers. These courses are scheduled as special seminars or workshops according to need. Prereq: Graduate standing and departmental permission.

810/811M Technical Problems—Drawing (3) Advanced, individualized instruction in various graphic media, as determined by the student and instructor. Prereq: Permission.

831M Advanced Sculpture (2) Advanced work in area of student's choice with facilities for oxyhydrogen welding, arc welding, and wood working. Prereq: Art 331 and permission of instructor.

841M Advanced Painting (3) Instruction in oil painting and related media permits each student the time and environment to work and develop individually. Strong emphasis on knowledge of contemporary art. Prereq: Art 341 and permission of the instructor.

853M Advanced Techniques in Printmaking (3) Intaglio, lithography, collagraph, and the embossed print, stressing color and technical proficiency in various media. Prereq: 351 and permission of instructor.

861M Advanced Ceramics (3) Advanced work on the potter's wheel, glaze composition, loading and firing of a high-fire kiln. Prereq: Art 361 and permission of the instructor.

831V Graduate Sculpture (3) Advanced problems in sculptural media. Prereq: Art 431 and permission.

841V Graduate Painting (3) More complex problems in the oil medium and related material. Prereq: Permission and 12 credit hours of painting.

851V Graduate Printmaking (3) Advanced problems in printmaking in either intaglio or lithography techniques. Prereq: Art 451 and permission.

**Biology**

323/823J Microtechnique (3) A course in the techniques of fixation, dehydration, staining, cleaning and mounting biological material in the manufacture of microscope slides. Prereq: Two years of biological sciences.

334/834J Ecology (4) Study of interrelationships between organisms and their biotic and abiotic environment; includes population biology, community dynamics, biotic interactions, and evolution. Prereq: Biology 145 and 175.

353/853J Flora of The Great Plains (3) The classification, identification, and recognition of common vascular plants, including weeds, ornamentals, and escapees. Prereq: Biology 214 and 334 or permission of the instructor. Graduate standing.

363/863J Plant Anatomy (3) A study of cells, tissues, and organs of vascular plants with particular emphasis on internal structure of seed plants. Prereq: Biology 145.

371/871J 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 175.

374/874J Histology (4) Analysis of the microscopic anatomy of tissues and organs, their adaptations and functional significance. Prereq: Biology 175, and a course in vertebrate anatomy, or permission of the instructor.

410/810M Plant Geography (3) A study of the worldwide distribution of major vegetation types and the ecological and physiological factors that determine their location. Special attention to North America is included. Prereq: Biology 102 and Biology 145, botany, or permission.

412/812M Problems in Ecosystem Management (2) Directed study in the application and evaluation of methods used for managing native and reestablished ecosystems. Prereq: Graduate standing in Biology and permission of the instructor. Biology 334/834J recommended.

413/813M Experimental Genetics (3) Laboratory studies in genetics emphasizing experimental techniques and laboratory experience with a variety of organisms. Prereq: Biology 214, or permission of the instructor.

414/814M Cellular Biology (4) This course is a comprehensive study of the structure and function of plant and animal cells. Prereq: Biology 145 and 175, organic chemistry, or permission of the instructor.

418/818M Limnology (4) A study of the physical, chemical, and biotic relationships that serve to establish and maintain plant and animal communities in a freshwater environment. Prereq: Biology 145, 175, and organic chemistry.

821M Fire Ecology (3) Study of fire in ecosystems including characteristics of fire, effects on flora, fauna, and the abiotic environment, and use in maintaining native ecosystems. Includes two, one-day weekend field exercises. Prereq: Biology 334. Graduate standing in Biology or permission of instructor.

822M Population Biology (3) An examination of topics in population ecology and population genetics including selection on individuals and groups, mating systems, life history characteristics, growth and regulation of populations and population interactions. Outside research project required. Prereq: Biology 214 and 334 or permission of the instructor. Graduate standing.

423/823J Organic Evolution (3) A study of organic evolution in terms of evidences which support the theory and the mechanisms involved in the process. Prereq: Biology 314 and permission of the instructor. Graduate standing.
475/875M Animal Behavior (3) Behavior of diverse invertebrates for the understanding of the mechanisms involving nervous integration and the behavior manifested by the organism, as well as the evolution and adaptive significance of behavior as a functional unit. Prereq: Biology 173 and Psychology 101 or permission of the instructor. Lecture only. (Same as Psychology 472/875M.)

478/878M Animal Behavior Laboratory (1) Lab and field studies of animal behavior with an ethological emphasis. Classical laboratory experimental and independent studies will be conducted. Prereq: Biol./Psych 472/875M or concurrent course.

433/833M Bryology (3) A course in the identification, classification, ecology, and distribution of bryophytes. Prereq: Biology 140 or permission of the instructor.

433/835M Limnology (3) A study of the biology of fishes, including their evolution, anatomy, physiology, ecology, distribution and identification with emphasis on North American fresh-water fishes. Prereq: Biology 175.

435/835M Limnology (3) Taxonomy, morphology and ecology of freshwater fish. Prereq: Biology 140 or permission of the instructor. Prereq: Grad. student in biology, an advanced botany course or permission.

484/884M Herpetology (4) The biology of amphibians and reptiles, including their evolution, classification, identification and distribution with emphasis on North American groups. Prereq: Biology 478 or 495 or permission from instructor.

485/885M Developmental Biology (4) A study of the principles of development of multicellular organisms. Current concepts of interactions at the biochemical, cellular, and tissue levels will be included. Prereq: Biology 145 and 175 or permission of instructor.

488/888M Invertebrate Zoology (4) A comprehensive study of the invertebrate animals. Prereq: Biology 172.

491/891M Protozoology (4) The biology of protozoa, including their morphology, physiology, reproduction, genetics and ecology with emphasis on free-living species. Prereq: Biology 145, 175, or permission of instructor. Grad. student in biology.

492/892M Parazoology (4) Taxonomy, morphology, physiology, life history dissemination, and control of the parasitic protozoans, helminths, and arthropods. Prereq: Biol. 145.

494/894M Entomology (4) The study of insects, including their morphology, taxonomy, behavior, ecology, life histories, and evolution. Prereq: Biology 175.

495/895M Vertebrate Embryology and Anatomy (4) Development and phylogeny of vertebrate organ systems. Directed study of anatomy and development, including an anatomy type, and study of developmental stages from fertilized egg to adult condition. Prereq: Biology 175.

496/896M Advanced Genetics (3) A survey of the current research in genetics involving fundamental and applied aspects of the discipline. Prereq: Biology 145, organic chemistry, or permission of the instructor.

472/872M Experimental Endocrinology (2) Laboratory studies of the functions of the endocrine system through scientific techniques and laboratory experience. Prereq: A course in endocrinology or concurrent registration by Biology 873/M, or permission of the instructor.

473/873M Endocrinology (3) A survey of endocrinology stressing the regulatory and integrative roles of hormones, the control of hormone secretion, anatomy, physiology and pathology of the endocrine system, and the general functions of hormone metabolism. Prereq: Biology 173.

480/880M Microbiology (4) A comprehensive study of animal function emphasizing mechanisms of regulation and control. Prereq: Biology 175, vertebrate anatomy, organic chemistry and physics, or permission of the instructor.

478/878M Vertebrate Zoology (4) A study of the general biology of the vertebrates including the morphological, embryological, and ecological data of vertebrates representative. Prereq: Biology 175.

479/879M Mammalogy (4) The biology of mammals, including their evolution, functional morphology, physiology, behavior, classification and identification with emphasis on North American species. Prereq: Biology 478 or 495 or permission from instructor.

484/884M Herpetology (4) The biology of amphibians and reptiles, including their evolution, classification, identification and distribution with emphasis on North American groups. Prereq: Biology 175.

485/885M Developmental Biology (4) A study of the principles of development of multicellular organisms. Current concepts of interactions at the biochemical, cellular, and tissue levels will be included. Prereq: Biology 145 and 175 or permission of instructor.

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473/873M Endocrinology (3) A survey of endocrinology stressing the regulatory and integrative roles of hormones, the control of hormone secretion, anatomy, physiology and pathology of the endocrine system, and the general functions of hormone metabolism. Prereq: Biology 173.
31V Business and Society (3) Exploration of the diversity of societal forces and pressures which provoke and continue transformation in the system of American capitalism. Prereq: L&S 323, 466.
32V Research Methods in Economics and Business (3) A study of current research techniques in business and economics. The student will become familiar with these techniques through text material, journal studies, and actual research projects. Prereq: BA 202 or BA 88H.
34V Business Information Systems (3) A study of how computer-based information systems are constructed, the opportunities and problems associated with these systems. Prereq: BA 800V.
38V Applied Quantitative Analysis (3) A collection of primarily quantitative-oriented models and techniques applied to a variety of business problems in a case study format. Prereq: BA 800V.
39V Business Conditions Analysis (3) This course is concerned with the statistical measurement and evaluation of general business conditions, and the adaptation of business policies to changing business conditions. Emphasis is placed upon the practical application of the statistical techniques of analyses to the business situation, within the framework of the aggregate economy. Prereq: Econ 202 or BA 88H.
803V Business Forecasting (3) This course includes a comprehensive survey of forecasting methods and an in-depth study of selected techniques currently used in business environments. Emphasis is given to analysis and techniques that may be used to develop forecasts and test their performance as part of their course work. Prereq: BA 800V or ECON 830M or permission of instructor.
810V Managerial Economics (3) Economic analysis of decision-making processes within the business firm and its environment, with emphasis on market structure, pricing, production, and cost factors. AddITIONAL CONSIDERATION is given to the theory of the firm under conditions of uncertainty. Prereq: Econ 201 or 202 or BA 88H.
830V The Environment of Management (3) A study of the trends in administrative philosophy and processes and their historical foundations. The course examines both the intra-organizational processes and the managerial planning, decision making, organizing and controlling as well as the external environment's impact on these processes. A systems framework is used to examine the environment, which includes an examination of interests and impacts. Prereq: Econ 203 or Management 301.
831V Human Behavior in Organization (3) An interdisciplinary study presenting the major trends represented by a variety of theories of organizational behavior as well as some major concepts and ideas of organizational psychology. Prereq: MGMT 305 or written permission of the CBA Graduate Coordinator.
832V Personnel Administration (3) Extensive treatment of those matters relevant to the practice of human resource management and the coverage of certain new methods, techniques, and models. Prereq: Econ 202 and BA 88H.
840V Marketing Policies (3) A marketing management approach to the determination of policies and goals for the marketing of goods and services. Prereq: MKT 331.
841V Promotional Policies (3) Analysis of the methods, research, and policies needed to develop and administer an effective promotional program.
845V Seminar in Marketing (3) Exploration, study, and critical analysis of problems and techniques of marketing, trends, methods and approaches for seminar discussion and written report. Prereq: MKT 331.
850V Financial Management (3) Examine the problems of managing the financial operations of an enterprise with emphasis on analysis and solution of long and short-term problems pertaining to policy decisions. Prereq: BUS 370.
851V Security Analysis (3) A study in the techniques of analysis of marketable securities. Statistical and financial ratio analysis methods of analysis are examined as well as broader bases for appraisal of values of securities. Prereq: BUS 370.
852V Seminar in Investment Management (3) The theory of investment management and its application to investment for different types of investors. Prereq: BUS 370.
855V Seminar in Finance (3) Selected topics from areas of business finance. Prereq: BUS 370.
860V Real Estate and Land Use Economics Theory (3) This course brings together the best of the theoretical developments and recent empirical studies in the field of real estate and land use economics. Prereq: BUS 370.
861V Current Problems in Real Estate and Land Use Economics (3) A study of current problems in real estate markets affecting decision policies in the private and public sectors. Analysis of economic and institutional determinants of housing and urban development and use and re-use of real property to provide an understanding of the functioning of the market in these contexts. Prereq: BUS 370, BUS 440, and ECON 441 or equivalent experience.
399V Independent Research (1-6) A research project for students who have completed the first year of a special research program. Prereq: Taken in last 9 hours of program.
499V Independent Research (3) An advanced research project for students who have completed the first year of a special research program. Prereq: Taken in last 9 hours of program.
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499V Advanced Organic Chemistry (3) An advanced research project for students who have completed the first year of a special research program. Prereq: Taken in last 9 hours of program.
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Civil Engineering

340/340M Transportation Engineering II (3) Introduction to planning and analysis of existing and model transportation systems. Governmental, operational and control characteristics of existing and future transportation modes. Prereq: For 340, junior standing or permission of the instructor. For 340M, standing graduate or permission of the instructor. Not available as graduate credit for engineering students.

400/400M Environmental Quality and Costs

Land, Air, and Water (3) Application of the principles of ecology, engineering, and planning for the control and management of the physical and environmental (Land, air, and water) including land and water systems, air and water pollution, and environmental planning. Prereq: For 400, senior standing and graduate standing or permission of the instructor.

424/824 Chemical Analysis Laboratory I (1 to 3) Determination of the chemical characteristics of water and waste-water and evaluation of chemical treatment processes. Prereq: CE 226, 227, 340 or 828 concurrently.

425/825 Biological Analysis Laboratory I (1 to 3) Determination of the microbiological and physical characteristics of water and waste-water and evaluation of the biological treatment process. Prereq: CE 226, 228 or 828 concurrently.

426/826M Environmental Conditions Control

An introduction to the engineering principles of sanitary engineering. Emphasis is placed on radioactive wastes in relation to the total environment. Engineering principles of air, water, and land disposal methods are stressed. Prereq: For 426, junior standing in engineering or permission of the instructor. For 826M, standing graduate or permission of the instructor.

427/827 Design of Sanitary Treatment Facilities

(3) Theoretical and design fundamentals including preparation of plant specifications. Prereq: CE 226, 228, 827 concurrently.

428/828M Application of Chemistry to Sanitary Engineering

(3) Application of chemistry in the analysis of sanitary engineering, including preparation of treatment of water and waste water (Lecture, 2 lab, 3). Prereq: CE 226, 227.

429/829M Applications of Microbiology to Sanitary Engineering

Application of microbiology to sanitary engineering. (3) Emphasis on practices related to the treatment of water and waste, and the bacteria and viruses in the treatment of water. (Lecture, 2 lab, 1). Prereq: For 429, CE 327, 328, 829 concurrently. For 829M, standing graduate and Civil Engineering 327.


836M Foundation Engineering

(3) Subsoil exfoliation systems; determination of allowable bearing pressures from laboratory and field data; proportioning and placement of structural systems; capacity and settlement; design of deep foundations; evaluation of settlement of water. Prereq: Graduate standing. Civil Engineering 334; or equivalent.

441/841M Structural Analysis II (3) Analysis of statically indeterminate structures, including continuous structures, beam and truss systems, and the design of prestressed concrete structures. Numerical and classical methods of analysis are introduced to solutions by matrix methods. Effects of temperature and magnitude of supports. Influence lines. Relation of design to analysis. Prereq: CE 334 or equivalent. For 841M, graduate standing.

444/844M Steel Design I (2) An introductory course involving the application of the physical and mechanical properties of steel to the design of steel structures. Prereq: CE 340; and permission of the instructor. For 844M, standing graduate.

445/845M Structural Analysis III (3) Computation of stress results in statically indeeterminate structures including beams, and plane and three-dimensional frames and trusses using matrix formulations (Finite element method), advanced moment distribution techniques and column analogy. Consideration of shear and axial deformation in addition to the usual flexural deformations. Effects of shear lag, punching shear, prestress, interaction moments, and support interaction. Prereq: For 445, Civil Engineering 340 and graduate standing. Prereq: For 845M, Civil Engineering 340 and graduate standing.

446/846M Steel Design II (3) A continuation of Civil Engineering 444, but directed toward building design, steel design and the analysis. Prereq: For 446, Civil Engineering 340 and graduate standing. For 846M, Civil Engineering 340 and graduate standing.

447/847M Reinforced Concrete II (3) The use of reinforcement in structural analysis, special applications including columns and footings, analysis of reinforced concrete. Prereq: For 447, Civil Engineering 431 or equivalent. For 847M, Civil Engineering 340 and graduate standing.

457/857M Engineering Hydrology (3) Introduction to the principles of engineering hydrology, with emphasis on practical aspects of the hydrologic cycle; precipitation, evaporation, surface run-off, infiltration, the basin characteristics, streamflow, and precipitation runoff relationship. Prereq: For 457, Math 197 and 198 or equivalent. For 857M, standing graduate and permission of the instructor.

458/858M Ground Water Engineering (3) The application of engineering principles to the movement of ground water. The influence of the physical properties of the ground; hydrostatics, hydraulics, water well hydraulics and aquifer evaluation. Prereq: For 458, Math 197 and ME 118 or equivalent. For 858M, standing graduate and permission of the instructor.

461/861M Urban Transportation Planning (3) Design and analysis of urban transportation systems. Emphasis placed on the planning, development, and assessment of transportation models. Prereq: For 461, Civil Engineering 340 or equivalent. For 861M, standing graduate and permission of the instructor.

462/862M Airport Planning and Design (3) Principles in planning, locating and designing of airports. Analysis of airport financing, site selection and estimation of aeronautical demand, air traffic control and aircraft characteristics are discussed. Environmental effects of airport land use planning. Prereq: Air and air pollution problems. Prereq: For 462, upper class senior standing. Prereq: For 862M, standing graduate and permission of the instructor.

463/863M Transportation Geometrics (3) Functional design of transportation systems with emphasis on highway, railway and aircraft transportation considerations. Vertical and horizontal curves, sight distance considerations, plane and curved ramp curve analysis. Design of highway interchanges, channelization and cross sections. Basics of traffic engineering, railroad, mass transit and air traffic control design geometrics. Prereq: For 463, upper class senior standing. For 863M, standing graduate and permission of the instructor.

464/864M Traffic Engineering (3) Characteristics of traffic flow as influenced by the interaction of the driver, vehicle and roadway. Volume speed, delay, pedestrian and parking analyses. Traffic laws and ordinances, highway capacity, and traffic control devices. Prereq: For 464, upper class senior standing and permission of the instructor. For 864M, standing graduate and permission of the instructor.

468/868M Portland Cement and Asphalt Concrete Laboratory I (1) Laboratory and field procedures used to obtain portland cement and asphalt concrete for engineered construction. Prereq: For 468, GE 335 or equivalent. For 868M, standing graduate.

469/869M Pavement Design and Evaluation (3) Thickness design of flexible rigid and combined systems for highways and airports; design of paving materials; effects of temperature and weather on existing pavements. Prereq: For 469, CE 334 or equivalent. For 869M, standing graduate.

470/870M Construction Management (3) Estimating and bidding, scheduling (Cpm, pert), contract, bonds and insurance, specifications, control of construction systems, equipment utilization, code and zoning. Permission of the instructor.

471/871M Construction Technology I (3) Shop planning and management; construction equipment; construction materials; construction methods. Permission of the instructor.

474/874M Construction Cost and Controls (3) A reinforced concrete design and construction project for the control of concrete as related to construction and construction organization. The various relationships between the accounting and controlling systems will be studied. The cost structure of construction projects will be discussed. Emphasis will be placed on the relationships of the cost accounting and control systems as they apply to the project. For 474, permission of the instructor. For 874M, standing graduate and permission of the instructor.

480/880M Engineering Economy (2) Economic comparison of designing, calculating, and selecting materials and equipment selection and replacement, depreciation, break-even points and minimum-cost points. Prereq: For 480, senior standing. For 880M, standing graduate.

490/890M Stress and Strain in Civil Engineering (3) A study of the principles of mechanics applied to reinforced concrete structural members. Emphasis is placed on shear, flexure, bending strain and stress. Permission of the instructor.

867M Graduate Research Thesis (1) To 6}
999 Doctoral Dissertation (Arranged) Prereq: Graduate standing and permission.

Communication

810M History of Mass Communication (3) The American mass media from 17th Century England to the present, with emphasis on mass communication as a means of social and political control, and its relationship to current media issues. Prereq: Graduate standing and major or minor in Communication or instructor's permission.

110V Development of Rhetorical Theory (3) The evolution and development of rhetorical theory and practice.

82M Studies in American Public Address (3) Study of representative American speakers from the eighteenth century to the present. Prereq: Nine hours of speech.

817M Organizational Communication (3) Emphasis on problem-solving, decision-making, and the management of information within and between various types of organizations. Prereq: Theoretical and practical methodologies and procedures for coordinating and planning, with emphasis on written and oral communication. Prereq: Graduate standing and major or minor in Communication or instructor's permission.

822M Literary Aspects of Journalism (3) Survey of the journalistic works of pertinent American authors, with emphasis on the development of journalism and the role of the journalist in society. Prereq: Three hours of journalism or permission.

824M Public Relations Case Studies (3) Analysis, discussion, and evaluation of actual public relations problems, with an emphasis on the role of public relations in contemporary society. Prereq: Graduate standing in Communication or instructor's permission.

824M Public Relations Process Studies (3) A study of the principles, problems, and techniques of the public relations process as it is functioned in the workplace. Prereq: Graduate standing in Communication or permission.

831M Political Communication (3) A study of the role of political communication in the mass media and the implications of political communication for contemporary democracy.

831M Political Communication (3) A study of the role of political communication in the mass media and the implications of political communication for contemporary democracy.

834M Broadcasting History and Practice (3) A study of the development of broadcasting in the United States and its impact on contemporary society. Prereq: An undergraduate major in Communication(s) or the instructor's permission.

835M Mass Communication and Public Opinion (3) A study of the relationship between mass communication and public opinion, with emphasis on the impact of mass communication on public opinion and the role of public opinion in mass communication. Prereq: Comm 101 or 111 and 3 hours of psychology or sociology, or permission.

542M Psychological Aspects of Communication (3) A study of the psychological aspects of mass communication, with emphasis on the role of psychological factors in mass communication. Prereq: Consent of instructor.

553M Seminar in Cross-Cultural Communication (3) Seminar with an emphasis on the components of cultural and subcultural communication, with the purpose of bringing ethnic awareness to the face-to-face communicative situations. Prereq: Consent of instructor.

554M Contemporary Systems of Communication (3) An examination of contemporary systems of communication, with emphasis on the role of technology in modern society. Prereq: Consent of instructor.

555M Social Communication (3) A study of the role of social communication in the development of contemporary interpersonal communication. Prereq: Consent of instructor.

557M Nonverbal Communication (3) A study of the role of nonverbal communication in facial expressions, body language, and other nonverbal means of communication. Prereq: Consent of instructor.

862M Directing Forensics (3) To provide students an in-depth understanding of the forensic process, with an emphasis on the role of speech in the forensic setting. Prereq: Consent of instructor.

869M Doctoral Dissertation (Arranged) Prereq: Graduate standing and major or minor in Communication, or permission.
ing activities in classroom situations. Prereq: EL 105 or permission of instructor.

805V Alcohol Treatment Modalities (3) An examination of alcoholism treatment modalities. Special staff. Prereq: 805. Given in comparison with regard to theoretical perspectives, techniques, and effectiveness of alcoholism treatment. Credit available for graduate standing in Counseling and Guidance, Social Work, or Psychology. Graduate students in other disciplines with prior training in the counseling process will be admitted on a case-by-case basis with permission of instructor.

810V Group Counseling and Guidance (3) Individual or group study and analysis of specific problems/issues in the field. Prereq: Permission of instructor.

812V Counseling Techniques in Higher Education (3) An overview of the characteristics of college students and their interaction with campus environmental influences. The impact of student personnel work is considered as it affects personal growth, social development and career planning by college students. Prereq: FED 801.

819U Research Project in Counseling and Guidance (2-3) Research study on a problem in the area of guidance and counseling. Prereq: Permission of department.

820V Counseling Theories and Techniques (3) Study of various approaches to counseling, counseling process and methods, and the acquisition of skill in the application of specific counseling theories. Prereq: CONU 850V.

822V Organization and Administration of Guidance and Counseling Services (3) Study of organizational patterns and administrative practices in counseling, guidance and counseling programs. Prereq: Con 809V or 892M.

822V Counseling Practice (3) Supervised experience in counseling. Prereq: CONU 802V and CONU 850V.

824V Counseling Practices (3) The process of establishing a counseling relationship, utilizing differential techniques appropriate to clientele concerns, and developing basic counseling skills. Prereq: 822V.

825V Advanced Counseling Practice (4) Continuation of Con 822V Counseling Practice. Prereq: 822V.

826V Internship (3-6) Field experience in an approved guidance program under the supervision of a qualified counselor and a guidance professor of the university. Prereq: Con 824V and permission of instructor.


829V Community Involvement for Urban Counselors (3) A wide range of experiences dealing with the ecology of the urban disadvantaged and its effects upon counseling. Prereq: Admission to Counseling and Guidance, Criminal Justice, or Home Economics, or Instructor's approval.

832V Counseling Elementary School Children (3) A study of the counseling role in counseling in young children. Prereq: Con 820V, 831V.

833V Elementary School Counseling Practice (4) Counseling in the elementary setting under the supervision of a counseling professor of the university. Prereq: 822V, 824V and approval of instructor.

838V Elementary Counseling Internship (6) Field experience in an elementary counseling program under the supervision of a counseling professor and appropriate-in-school personnel. Prereq: Con 831V and permission of department.

837V Group Counseling Theory and Practice (3) A course designed primarily for counselors with a combination of theory and experiences necessary to the understanding of effective leadership skills involved in the group counseling process. Prereq: Con 820V, Con 831V, and Con 827V.

842V Vocational Counseling (3) This course is designed to provide agency counselors with both practical and theoretical perspectives of the vocational counseling and decision making. Prereq: Agency Counseling and 824V.

845V College Student Personnel Internship (6) This course is designed to provide practical work experience under the supervision of within student personnel services. Prereq: Permission of instructor.

847V Practicum in Group Counseling (4) Supervised experience cofacilitating group counseling in an approved practicum site. Prereq: Con 837V.

849V Parent Education (3) A study of several educational Parent Education programs in order to develop parenting skills of students encountered in the classroom. Prereq: ED 801.

851V Parent Education (3) A study of several existing Parent Education programs and the development of parenting skills by counselors as a result of those programs. Prereq: ED 801.

852V Advanced Counseling Practice (4) Continuation of Con 822V Counseling Practice. Prereq: 822V.

860V Internship (3-6) Field experience in an approved specialist program under the supervision of a qualified specialist and a guidance professor of the university. Prereq: Con 824V and permission of instructor.

862V Group Techniques in Counseling and Guidance (6) A study of the basic underlying skills. This course is to be taught taught and will include a seminar on research. Prereq: Permission of instructor. The major portion of the course will be directed to middle level students with the minor portion of the course directed to the college level. Prereq: Admission to Graduate College and Counseling and Special Education.

861V Guiding Gifted Student (3) A course designed to include teacher awareness of the gifted student. Teachers will also develop skills in working with the gifted. Prereq: Admission to Graduate College and Counseling and Special Education.

865V Directed Readings in Counseling and Guidance (6) Directed study in counseling and guidance. Prereq: Counselor in supervision and permission of instructor.

869V Thesis (1-6) Independent research project written under the supervision of an advisor. Prereq: Permission.

Special Education

401/810V Child Abuse/ Neglect: What You Can Do (3) This course has been developed in conjunction with the Professional Interrelationships Committee of the Child Abuse Council of Omaha. It is aimed at educating professionals in the greater Omaha area with skills necessary to recognize the problem and/or neglect and to deal with it effectively and as an available service to children and the family.

404/840M Workshop in Special Education or Speech Pathology (3) The purpose of this course is to provide workshops or special seminars in the area of special education or speech pathology. Prereq: Permission of instructor.

411/811M Assessment and Curriculum in Cognitive Development for the Severely/Profoundly Handicapped (3) This course will involve a combination of lectures, demonstrations and practice for students interested in evaluating and developing curriculum materials for the severely/profoundly handicapped child. Prereq: 850V.

426/826V History, Education, and Guidance in Counseling (3) An introductory text in the history of education and guidance in the field of counseling. Prereq: Admission to graduate study.

428/828V History, Education, and Guidance in Counseling (3) An introduction to the history of education and guidance in the field of counseling. Prereq: Admission to graduate study. The purpose of this course is to provide a foundation for the study of the historical and philosophical development of the field, educational and social problems associated with various educational programs, the vocational-educational, counseling, and special areas. Prereq: Admission to graduate study.

825V Principles & Practices of Guidance and Counseling (3) This course is to be taught taught and will include a seminar on research. Prereq: Permission of instructor. The major portion of the course will be directed to middle level students with the minor portion of the course directed to the college level. Prereq: Admission to Graduate College and Counseling and Special Education.

891V and as TED 891V Guiding Gifted Student (3) A course designed to include teacher awareness of the gifted student. Teachers will also develop skills in working with the gifted. Prereq: Admission to Graduate College and Counseling and Special Education.

896V Directed Readings in Counseling and Guidance (6) Directed study in counseling and guidance. Prereq: Counselor in supervision and permission of instructor.

899V Thesis (1-6) Independent research project written under the supervision of an advisor. Prereq: Permission.

422/822V Teaching of Speech to the Hearing Impaired (II) (3) A continuation of Speech 822V and an investigation of diagnostic speech procedures for hearing impaired individuals. The development of speech, the application of speech, and the relationship of speech to general education. Prereq: Speech 821.

423/823V Language Development of Hearing Impaired Children (3) An investigation of the development of language in normally hearing children. The language of the hearing impaired child in context with normal language, the effects of the hearing loss on language acquisition and language development of the hearing impaired child. Prereq: Speech 821 and permission of department.

433/824V Teaching Language to the Deaf (II) (3) Continuation of Speech 824V and further consideration of criteria for selection and utilization of teaching materials, special emphasis on language principles for the older deaf pupil. Prereq: For 242, 423, 824V and Special Education 423.

433/823S Auditory Rehabilitation (2) An investigation of the receptive modes of oral communication utilized by the hearing impaired and in the perception of language processes employed in the perception and production of speech through reading, the limitations in the reading of printed materials, the effects of these limitations on the development of communication in hearing impaired children, the special educational needs of the deaf child, and the specific educational needs of the deaf child as he functions in the educational system. Prereq: 824V and permission of instructor.

435/830M Teaching Content Subjects to the Hearing Impaired (II) (3) A problem-centered course in the teaching of the hearing impaired student in the various subject areas of special education. Prereq: Speech 821.


438/838M Speech Science I: Speech Mechanisms (3) This course is to be taught taught and will include a seminar on research. Prereq: Consent of instructor. Prereq: Speech 821 and permission of instructor.

439/839M Speech Science II: Speech Mechanisms (3) This course is to be taught taught and will include a seminar on research. Prereq: Consent of instructor. Prereq: Speech 821 and permission of instructor.

The mechanisms of respiration, phonation, and articulation are explored from the point of view of the speech articulation process.
those teachers who work with the communication handicapped, language disorders, or rehabilitation and sedation. Prereq: For 438, junior standing, 2.5 GPA.

439/839M Hearing Science (3) This course is designed for undergraduate and graduate majors in speech pathology and audiology and for graduate students working with and language symbolization disorders; assessment etiology and descriptive classifications of rhythm and language development. Prereq: For 442, junior standing, 2.5 GPA. Open for 842M.

442/842M Language Development in Children (3) This course is designed to familiarize the student with the normal aspects of language development in children, including inter and intra personal forces in language, major subsystems of language, and nonverbal and pragmatic aspects of language development. Prereq: None.

444/844M Rhythm/Symbolization (3) Study of etymology and descriptive classifications of rhythm and language symbolization disorders; assessment procedures; with special emphasis on rehabilitation procedures and methods associated with stuttering, cluttering, organic dyspraxia, and apraxia. Prereq: 2.5 GPA.

445/845M Speech Science II: Experimental and Applied Linguistics (3) Analysis of phonetic and phonological elements in major American English dialects; phonological description of standard and defective speech, use of the sound spectrograph, speech audiometry. Prereq: For 445, junior standing. 2.5 GPA. (F,Su)

451/851M Basic Clinical Practice in Speech Pathology and Audiology (3) A minimum of 45 clock hours per credit hour of supervised practice in speech and hearing evaluation, speech and language therapy sessions, lesson plans, record, and a weekly colloquium. Prereq: For 451, Special Education 444. For 851M, graduate standing and permission of the instructor.

459/859M Disorders of Communication in Older Adults (3) This course is designed to familiarize the student with the primary causes of communication disorders effecting older adults and geriatric populations. Prereq: For 459, 3 hours majoring in gerontology, or speech pathology, as an elective course or as a professional enrollment course for persons working in related fields. Students are assigned contacts with an older adult who manifests a disorder of communication. Prereq: GERNO 455/ 835M Health Aspects of Ageing, or permission of instructor.

460/860M Introduction to Mental Retardation (3) This course is based on case histories, writing covers background information on mental retardation; the need for the student to be available for the mentally retarded; the history of the field and its contributions are introduced in some techniques and retardation in a family and society; and the status of and trends in the field of mental retardation. Prereq: 464/864M Methods and Materials for Developing and Implementing Individualized Educational Programs (3) The course is designed to familiarize basic concepts important for understanding the process of human audition. The course will cover the basic terminology, anatomy and physiology of the hearing mechanism, acoustics and physics of sound, the process of human hearing, elements of basic hearing measurement, psychoacoustics, and hearing conservation. Prereq: For 464, Junior standing, 2.5 GPA. Open for 864M.

465/865M Career Development for the Handicapped (3) The course is designed to familiarize students and related professionals to work with the career development of handicapped students. Includes information for elementary through adulthood with emphasis on interests, aptitudes, and school level. Crosslisted with COUN 865M. Prereq: SPED 820M or SPED 840V or SPED 850M. Open only to upperclassmen.

466/866M Developing Vocational Training Programs for the Severely Handicapped (3) Directed toward teachers of secondary, post-secondary and adult handicapped persons to utilize vocational evaluation information, to develop training programs for seriously handicapped youth and adults, and to compare various curriculum models for serving seriously handicapped youth and adults. Prereq: SPED 820M or SPED 840V or SPED 850M or SPED 880M or permission.

471/871M Interactions of Teachers with Professionals and Parents of the Handicapped (3) This course includes interviewing parents, and adults handicapped; (2) strategies for involving parents in planning, implementing, and evaluating curriculum, and (3) curriculum/instructional therapy modification for families and (4) professionals dealing with families of the handicapped. Undergraduate students will work with families as a unit and by individual students. Students in process of obtaining appropriate services for their handicapped child. Prereq: SPED 861, 820, 830 (for undergraduates).

475/875M Childhood Language Disorders (3) This course is designed to familiarize students with disorders involving speech, language, and associated behaviors and in the implementation of techniques of teaching language to exceptional children. Prereq: Special Education 442 and 2.5 GPA.

480/880M Emotional Development of Children and Youth (3) The study of psychological, biological, and environmental factors that affect social and emotional development of children and adolescents. Emphasis is placed on causative emotional handicaps, symptoms and subsequent implications for design of the learning environment. Crosslisted with Curriculum and Instruction. Prereq: For 480, SPED 301, 302, 303. Open only to undergraduates.

481/881M Classroom Techniques for Behavior Control (3) This course will introduce the student to the classroom. Three major areas will be presented and specific techniques within each will be practiced, and an overview of the student's own teaching situation. Applications and adjustments of techniques will be discussed. The purpose of the course is to introduce basic concepts important for understanding of human auditory. The course will cover the basic terminology, anatomy and physiology of the hearing mechanism, acoustics and physics of sound, the process of human hearing, elements of basic hearing measurement, psychoacoustics, and hearing conservation. Prereq: For 464, Junior standing, 2.5 GPA. Open for 864M.

483/883M Practicum In Teaching Emotionally Disturbed (3) This course provides in-service in a clinical or classroom situation in the field of E.D. Emotionally Disturbed (ED) children. Prereq: course is required for students in the program preparing to teach emotionally disturbed. Prereq: Open only to those who have been admitted. Major emphasis is on the development of problem solving skills. Prereq: SPED 840, SPED 880. Open only to upperclassmen.

484 Advanced Practicum In Teaching Emotionally Disturbed (3) The second semester in the field experience in the classroom teaching emotionally disturbed. Prereq: Successful completion of the practicum course. It is required of all students enrolled in the teaching emotionally disturbed. Prereq: Open only to those who may be interested. Prereq: Successful completion of the practicum course. Prereq: FED 810 or permission of instructor.

485/885M Disciplinary Approaches to Developmental Disabilities (3) This is an introductory course dealing with the classification of behavior disorders, as directed by different disciplines at present, in order to establish the appropriate classification based on the process of individual classification. Prereq: FED 860P or permission of instructor.

486/886/887M Disabling Behaviors (3) This course is designed to familiarize the student with the development of skills necessary to evaluate and treat disabling behaviors. The three courses (1) Perceptual, (2) Cognitive, and (3) Social skills include an overview of the relationship of these areas in function. Prereq: Special Education 442 and/or 301.

487/887M Emotional Development of Children and Youth (3) The study of psychological, biological, and environmental factors that affect social and emotional development of children and adolescents. Emphasis is placed on causative emotional handicaps, symptoms and subsequent implications for design of the learning environment. Crosslisted with Curriculum and Instruction. Prereq: For 480, SPED 301, 302, 303. Open only to undergraduates.

490/890M Speech Science III: Neurolinguistics of Speech and Language (3) Introduction to speech, language, and hearing; emphasis is placed on gaining familiarity with the brain mechanism and sensory and motor functions which were involved.
814V Directed: Rehearsal and Performance (3) A practical experience in play selection, analysis, casting, directing, and producing. Prereq: DA 101, 106, 201, 203 or permission of the instructor.

815V/815M Design (Each 3) An introduction to the fundamentals of stage design, scenic and costume design, lighting, and technical theatre. Emphasis will be placed on the design and construction of sets and costumes as well as the application of design principles. Prereq: DA 208-210, 209, 212.

820V/820M Lighting (3) Lighting design, color and control of stage and lighting equipment. The designer will become familiar with the design and construction of lighting systems and their application to theatrical productions.

821M History of Theatrical Literature To 1642 (3) A historical survey of the dramatic literature of Europe to 1642. Prereq: 814V.

822M History of Theatrical Literature Since 1642 (3) A historical survey of the dramatic literature of Europe from 1642 to the present. Prereq: 821M.

823V/823M Dramatic Arts Seminar (3) A seminar for graduate and advanced undergraduate students. The seminar will change from year to year. Prereq: Permission of the instructor.

426/826M Evolution of Economic Thought (3) Tracing the evolution of economic thought from the time of the ancient Greeks to the Keynesian period. Focus is on the interaction of institutional milieux, thought, and economic thought. Prereq: Econ 201 and 202 or permission of instructor. Fall in even-numbered years.

430/830M Quantitative Applications in Economics and Business (3) The study and application of modern quantitative techniques to problem-solving in economics and business. Prereq: Econ 201, 202 and D.S. 212 or permission of instructor.

443V/843V Seminar in Industrial Organization (3) The interaction of worker and firm behavior. Prereq: Econ 201, 202 or permission of instructor.

509M Advanced Oral Interpretation (1) Theoretical and practical study of the oral interpretation of literature from antiquity to the present. Preparation and presentation of a recital. Prereq: Permission of the instructor.

510V Theory of Public Finance (3) An examination of the current developments and future trends in public finance. Prereq: Econ 201 and 202 or permission of the instructor.

511V/511M Microeconomics (3) An introduction to the basic economic model of individual and social behavior with emphasis on market behavior. Prereq: Econ 201, 202 or permission of instructor.

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policy alternatives, decision making, and measurement of techniques are examined. (Also listed under geography.) Prereq: At least 6 hours of upper division coursework in economics or permission of the instructor.

892Y Independent Study (Each 1-3 credits) Guided independent study and research under individual supervision. Prereq: Graduate student in economics and permission of instructor.

989 The Office of the Superintendent. An independent research project written under the supervision of a qualified adviser in the field of economics. Approval of the topic and completion of the project by the student's departmental committee is required. Prereq: Permission of graduate adviser.

Educational Administration, Supervision, and Foundations

888M Administration of The Instructional Materials Center (3) A course designed for students who wish to prepare themselves for the administration of an educational media program within an elementary and/or secondary school. (Also LS 888M).

800V Special Studies in Educational Administration (1-6) A series of intensive courses especially designed for educational administrators and supervisors—scheduled as regular seminars or individual study, at the student's discretion. Prereq: Senior standing.

805V School-Community Relations (3) This program is designed to acquaint the student with all aspects of the school-community relationship. Attention will be given to study and research of educational practices and policies in school-community relations.

806VA Administering School Discipline (3) Course designed to offer opportunity for students to develop increased awareness of the circumstances in the schools and professional skills relating to school discipline and how discipline might be administered more successfully. Students will

8110 Introduction to the Teacher's Role (3) This course will deal with the teacher's role in the elementary, secondary, and general administration and supervision of the educational system, with an emphasis on the needs of the student in the classroom. Completion of 24 hours of graduate study and approval of written examination required. Prereq: Permission of graduate adviser.

814V Practicum in Educational Administration and Supervision (3) Designed to provide the student with an opportunity to observe and practice in elementary, secondary, and general administration and supervision as the needs of the student require.

816V Administration and Supervision in Elementary Schools (3) Designed to provide the student with an opportunity to observe and practice in elementary schools in the supervision of administration and supervision as the needs of the student require.

817V Administration and Supervision in Secondary Schools (3) Designed to provide the student with an opportunity to observe and practice in secondary schools in the supervision of administration and supervision as the needs of the student require.

849V Theory and Practice of Supervision (3) This course is designed to prepare students to serve as effective supervisors in the modern school. This course will

850V Seminar in Research Design (3) A seminar designed to develop students' research skills in the design and practice of research in educational and psychological problems. Prereq: Admission to E.S. Program.

882V City Planning (3) This course is designed to provide students with an opportunity to observe and practice in urban planning in the supervision of administration and supervision as the needs of the student require.

911 Field Project in Educational Administration (1) Prereq: Admission to the Urban School Administration Program. (3) The study of a problem in the area of school administration, employing the techniques of research. Prereq: Admission to the Urban School Administration Program.

920 Supervision Practice (3) A practicum course is designed to provide the student with an opportunity to observe and practice in urban planning in the supervision of administration and supervision as the needs of the student require.

954 Urban Education (3) This course is designed to provide students with an opportunity to observe and practice in urban planning in the supervision of administration and supervision as the needs of the student require.

965 Urban School Administration (3) This course is designed to provide students with an opportunity to observe and practice in urban planning in the supervision of administration and supervision as the needs of the student require.

968V Education and Society (3) A study of the impact of the present educational system on the student and the society. This course will

977V Alternative Strategies for Education (3) An intensive study of the impact of the present school organization and practice on the student and the society. This course will

990V The Urban School (3) An analysis of the societal and institutional processes and problems which bear upon the education of children in urban settings. A study of the urban school.

111V Introduction to Educational Foundations (3) A course designed to acquaint the student with the knowledge and skills necessary to function as an educational professional in an urban milieu. Topics are

131V Field Research Techniques in Urban Education (3) The objective of this course is to provide an opportunity to design and conduct field research within the context of an urban education milieu. Topics are

135V History and Philosophy of Education (3) This course is designed to provide students with an opportunity to observe and practice in urban planning in the supervision of administration and supervision as the needs of the student require.

140V Comparative Education (3) An intensive study of the educational systems of selected nations found in Europe, Asia, Latin America, Africa, and the total study of the society selected for the emphasis is placed on an urban education milieu.

155V Seminar in Urban Education (3) Systematic study of the problems and developments which affect urban education. Individual student and group analysis is emphasized.

159V Education and Society (3) A study of the impact of the present school organization and practice on the student and the society. This course will

163V Historical Foundations of Education (3) A series of intensive courses especially designed for educational administrators and supervisors—scheduled as regular seminars or individual study, at the student's discretion. Prereq: Senior standing.
<table>
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<tr>
<th>COURSE DESCRIPTIONS</th>
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<tbody>
<tr>
<td><strong>833V Art History and Urban Education (3)</strong> This course is designed to examine ways in which education, conceptualized as cultural transmission, is designed to adapt to and be influenced by changes in power and culture. An understanding and working knowledge of the cultural concept is basic to the course. Interrelationships among ecological, social, and ideological forms in a subculture or society are stressed. A limited anthropological field study is a requirement of the course. Prereq: FED 801 — Introduction to Research.</td>
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<tr>
<td><strong>Engineering Mechanics</strong></td>
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<td>852M Introduction to Women's Studies in Literature (3) A study of the principal writings in English, including those of Chaucer, from 1100 to 1500.</td>
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<tr>
<td>854M The Age of Pope and Swift (3) Poetry, prose (exclusive of the novel), and drama of England during the Restoration and the first half of the eighteenth century, with emphasis on Pope and Swift.</td>
</tr>
<tr>
<td>858M French and German Drama (3) Comparative study of selected contemporary French and German plays. Conducted in English with translations. (Same as French 415/815m and German 415/815m).</td>
</tr>
<tr>
<td>851M Chicano Literature and Culture (3) A study of representative works of Mexican American, Chicano, and American writers, also the emphasis on the criticism of ancient Greece and Rome, nineteenth century England and twentieth century America. Prereq: Graduate standing or permission.</td>
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<tr>
<td>861V Seminar: The Nineteenth Century English Literature (3) Readings in English literature from Shaw and Yeats to the modern age.</td>
</tr>
<tr>
<td>863V Seminar: Victorian Literature (3) An intensive study of selected British works. Prereq: Graduate standing or permission of the chairmen of the department of English.</td>
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<td>867V Seminar: American Literature (3) Individuals and groups in research and group discussion relating to a general topic in American literature. The course may be repeated for additional credits under different topics. Prereq: Graduate standing or permission of the chairmen of the department of English.</td>
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<td>869V Seminar: The Restoration and Early 18th Century (3) A detailed study of selected English authors and works of the Restoration and the August Age (1660-1750). Prereq: Graduate standing or permission of the chairmen of the department of English.</td>
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</table>
Anthropology taught of folklore and ancient social and political thought. English with English translations. Additional readings in English for German students. Prereq: Permission of the instructor. (Same as French 415/415m and English 415/415m).

417/417m Contemporary French and German Drama (3) Comparative study of selected contemporary French and German plays. Conducted in English with German translations. Additional readings in German for German students. Prereq: Permission of the instructor. (Same as French 417/417m and English 417/417m).

418/418m German Civilization from the 19th Century to Our Time (3) Survey of the literature of the nineteenth century from Romanticism to the literature after World War II. Prereq: For 432, German 303 or permission of the instructor. For 832m, graduate standing and permission of the instructor.

420/420m Latin American Novel (3) Study of selected novels of the nineteenth and twentieth centuries, with emphasis on contemporary authors. Prereq: For 430, Spanish 303 or permission of instructor.

424/424m Modern Latin American Literature (3) For graduate students who need additional study of literature. Spanish 310 or permission of instructor. Prereq: Permission of the instructor. (Same as English 418/418m.)

428/428m Modern Spanish (3) Study of contemporary literature, including works on modernism to the present. Prereq: For 428, Spanish 303 or permission of the instructor. (Same as English 418/418m.)

428/428m Comparative Study of the Contemporary American and Latin American Novel (3) Study of selected works of contemporary American and Latin American novelists. Prereq: Spanish 318 or permission of the instructor. (Same as English 418/418m.)

431/431m Modern German Literature of the 19th Century (3) Survey of the literature of the nineteenth century from Romanticism to the literature after World War II. Prereq: For 432, German 303 or permission of the instructor. For 832m, graduate standing and permission of the instructor.

432/432m Modern German Literature of the 20th Century (3) Survey of literature of the twentieth century. Prereq: For 432, German 303 or permission of the instructor. For 832m, graduate standing and permission of the instructor.

438/438m German Civilization from the 19th Century to The Present (3) Detailed analysis of the intellectual thought and philosophy. The influence of the sciences and technology upon modern German civilization and culture. Prereq: For 438, comprehensive knowledge of the literature. For 838m, graduate standing and permission of the instructor.

440/440m German Novelle (3) Survey of the German short story, its historical origin, characteristics, and development. Prereq: For 440, comprehensive knowledge of the literature. For 840m, graduate standing and permission of the instructor.

444/444m German Drama (3) Stages of play development, study of several of the more famous dramas. Prereq: 303 or permission of instructor.

449/449m German Literature of The Seventeenth Century (4) A survey of the intellectual, artistic, and political trends of the 17th century German literature. Prereq: German 303 or permission of instructor.
and half of a two-semester landform studies course. Prereq: Geog. 105 or 117.

432/832M Climatic Change (3) An analysis of climatic and atmospheric processes and their effect on shaping the landscape. Emphasis on physical and geographical aspects of the field. Prereq: Geog. 106 or 117.

453/853M Historical Geography of The United States (3) An analysis of historical circumstances and patterns of American cultural geography. Prereq: Graduate standing and Hist. 111 and 112 or Geog 102 or 333.

461/861M Field Methods in Geography and Geology (3) Systematic study for learning techniques and tools related to field and terrain features, land-use characteristics, and environmental application. Provides basic tools for environmental evaluation. Prereq: Permission.

463/863M Environmental Remote Sensing (3) Analysis of various sensor systems ranging from traditional low-altitude aerial photography forms such as "fandus" with emphasis on practical applications. Prereq: Permission.

482/882M Comparative Urban Studies (3) Emphasis will be upon contrasting the cities of the developed and developing world. Prereq: Permission.

494/894M Ag & Human Behavior (3) The course examines different kinds of behavior and attitudes which influence important life decisions and personal design, development and growth. Prereq: Permission.

592/892M Special Studies in Gerontology (1-3) Special studies designed around the needs and interests of the individual student in such areas as psychology, sociology, economics, or political science, with emphasis on the older person. Prereq: 9 credit hours of Gerontology. Prereq: Permission.

686V/886V Seminar in Cultural Geography (3) Seminar in one of the following areas: Russia and the Eastern Bloc, Asia, Latin America, and the Middle East. Prereq: GE 117 or permission of instructor.

687V/887V Seminar in Urban Geography (3) Seminar in one of the following areas: New York, Boston, Los Angeles, and the international city. Prereq: Permission.

688V/888V Seminar in Geography of Agriculture (3) A systematic study of the geographical and sociological patterns of world agriculture. Prereq: Permission.

851V Advanced Geomorphology (3) A seminar and lecture course on advanced topics in geomorphology. Topics will be chosen by the instructor. Prereq: Geog. 412 or 812M.

855V Advanced Geography (3) A seminar and lecture course on advanced topics in geography. Discussion will emphasize modern concepts and literature in the field of landform studies. Prereq: Geog. 202M or 625M and 117 or 117P. Permission.

859V Soil Sciences (3) An examination of the modern concepts of soil morphology and soil and soil processes. Prereq: Geog. 825M or 826M.

864V/884V Seminar in Geometric Design and Planning (3) An overview of modern design concepts and current research problems encountered by planners and officials. Prereq: Same as Econ. 881V and P.A.

865V/885V Seminar in Health and Aging (3) An examination of the physical, psychological, and social dimensions of aging. Prereq: Permission.

866V/886V Mental Health and Aging (3) An examination of the physical, psychological, and social dimensions of aging. Prereq: Permission.

868V/888V Social Gerontology (3) An examination of the social implications of aging. Prereq: Permission.

870V/870M Aging and the Community (3) An in-depth study of the concept of aging as it relates to the community, the family, and the individual. Prereq: Permission.

871V/871M Aging and the Community (3) An examination of the social implications of aging. Prereq: Permission.

872V/872M Social Gerontology (3) An introduction to social gerontology with special emphasis upon the effects of aging on social institutions and social participation and on examination of practice-oriented implications. Prereq: Nine hours of sociology. (Same as Sociology 411)

873V/873M Issues in Aging (3) This course is intended for students in Gerontology and in other fields who are interested in an interdisciplinary approach to understanding significant issues which affect the lives of older people. Prereq: Graduate standing.

874V/874M Evaluating Mortality in Urban Areas (3) This course will provide for an in-depth study of urban mortality patterns. Students will be expected to write a research paper on their area of interest. Only one credit hour of graded student credit will be allowed in this seminar. Prereq: Same as Econ. 881V and P.A.
interaction with the older, terminal illness patient, focusing on communication with widows and other survivors as well as the dying patient. Prereq: Graduate standing; 3 hours, Gerontology, permission.

896V Directed Readings in Counseling and Gerontology (1-3) A study of current and current literature, counseling with older people. Prereq: Graduate standing; 3 hours, Gerontology, permission.

997V Individual Values and Aging (1) Course designed to increase students’ self-awareness of personal values and feelings related to aging and the aged.

948 General HPER (1-1, 1-3) A concentrated look at problems which and post college athletes. Such personal factors as body build, intellectual abilities, emotions, com- and the family unit; and the role of the school in prevention, intervention, and rehabilitation. Prereq: Admission to Graduate College.

835V Human Sexuality (3) This graduate level course is aimed at providing an overview of the current scientific knowledge concerning human sexuality. The course is designed to be interdisciplinary in nature, incorporating social, behavioral, and biological aspects of human sexuality.

833V Alcohol Education for School Personnel (3) A study of the problem of alcoholism and alcoholism related to education. Emphasis will be given to how users help professionals. Qualifying students from other related disciplines must have permission of the instructor.

832V Problems and Issues in HPER (3) Examination of current problems and issues in HPER that relate to the general aims and purposes of HPER. Prereq: Graduate standing, 3 hours, HPER.

849 Thesis (1-6) Independent research project written and supervised by a supervisor. Prereq: Permission.

Health, Physical Education, and Recreation

General HPER

800V Special Studies (1-3) A series of intensive courses scheduled as regular seminars, workshops, according to purpose. Prereq: Permission of Instructor.

803V Research in Health, Physical Education, and Recreation (3) An introduction to research techniques, statistics, International and national standards in research and development of skill in writing research reports. Prereq: Graduate student in HPER.

810V Directed Study (1-3) Individual or group study and analysis of specific problems in health, physical education, and recreation. Prereq: Permission of instructor.

822V Problems and Issues in HPER (3) An examination of current problems and issues in HPER that relate to the general aims and purposes of HPER. Prereq: Graduate standing, 3 hours, HPER.

830V Directed Study (1-3) Survey of research and literature in HPER to the purpose of orienting the student to possible areas of research and an understanding of and appreciation for writing research reports. Prereq: Permission of Instructor.

899 Thesis (1-6) Independent research project written and supervised by a supervisor. Prereq: Permission.

Health Education

455/855M Health Aspects of Aging (3) The study of psychological, sociological, and physiological factors that influence the health of the aging. Prereq: Consent of instructor; given biological changes that have implications for disease and health disorders. Prereq: Graduate standing.

485V/685M Behavioral Aspects of Coaching Athletes (3) This course is designed to provide the graduate physical education student with an understanding of the behavioral aspects of coaching athletes.

408T Topics in Finite Mathematical Structures (3) Discrete probability theory, stochastic processes, graph theory, combinatorics, Markov chains. Prereq: Has secondary teacher certification or is working toward it, or permission of instructor.

409T Topics in Geometry and Topology (3) Selections from the following topics: Stereographic projection, compass constructions; geometries and transformations — complex numbers and stereographic projection, non-Euclidean geometries; tensor calculus; matrix algebra — with applications; numerical analysis — eigenvalues and eigenvectors, vector analysis, conformal mapping, residue calculus, and applications. Prereq: Math 323 or advanced calculus.

410T Theory of Ordinary Differential Equations (3) Vector fields, existence and uniqueness theorems, systems of linear equations, and two-point boundary value problems. Prereq: Math 205 or Math 323, and either Math/CS 205 or Math 305.

411T Advanced Topics in Computer Science (3) An introductory course to digital computers and computer programming techniques. Brief history of the development of computing, a survey of the applications of computers, and the implications of the use of computers in education. Prereq: Has secondary teacher certification or is working toward it, or permission of instructor.


415T Calculus of Variations (3) An introductory course devoted to the classical theory and problems such as the brachistochrone problem and isoperimetric problems. Prereq: Math 423-424.

416T Applied Complex Variables (3) Applications of complex variables in potential theory, to the Fourier and Laplace transforms, and to other fields such as ordinary differential equations, number theory, etc. Prereq: Math 427.

423T General Topology (3) The concepts of Math 461/861M are studied at an advanced level in conjunction with ordinal and cardinal numbers. Prereq: Advanced set theory, open and closed maps, separation axioms and countable compactness. Prereq: Math 461 or permission of the instructor.

425T Algorithmic Combinatorics (3) Classical combinatorial enumeration, graph theory, trees, and duality in combinatorics; theorems of inclusion and exclusion; generating functions; symmetric functions; and applications. Prereq: Math/CS 330.

427T Complex Variables (3) Differentiation, integration, power series expansions of analytic functions, conformal mapping, residue calculus, and applications. Prereq: Math 323 or advanced calculus.

428T/828M Mathematical Analysis II (3) Provides a theoretical foundation for the concepts of elementary real analysis and calculus and the related concepts of integration and differentiation. Prereq: Math 201 or permission of instructor.

429T/829M Complex Analysis (3) An introduction to classical complex analysis and its applications. Topics include complex functions, Cauchy's integral formula, residues, and conformal mappings. Prereq: Math 201 or permission of instructor.
855M Classical and Romantic Music Literature
Clinical and Romantic periods from the 18th and 19th centuries. Prerequisites: consent of instructor.

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differential equations. Same as CS 882V. Prereq: Math 881V or CS 881V.

891V Advanced Topics in Statistics
(3) Topics selected from integer programming, decision theory, probability, and other advanced topics. Prerequisites: consent of instructor. May be repeated once for credit with permission of Graduate Advisor. Same as CS 891V, Prereq: CS 430, CS 431.

898V Graduate Seminar (1-2) A graduate seminar in mathematics.

899 Thesis (1-6)

899 Independent Graduate Studies (1) Under supervision of area that is not normally available to graduate study in mathematics to be determined by the instructor. Prerequisite: permission of instructor.

911 Advanced Class in Algebra (3) Vector spaces, linear transformations, tensor products, projective and covariant vector spaces, products of vector spaces, homomorphisms and isomorphisms of vector spaces, dual spaces, linear independence, linear dependence, bases, dimension, the rank-nullity theorem, matrices, linear transformations, and similarity of matrices, diagonalization, inner products and the spectral theorem, Hermitian matrices, orthogonal matrices.

923-924 Theory of Functions of Real Variables
(9) The real number system, generalized convergence, continuity, uniform convergence, Dini’s theorem, Lebesgue-Stieltjes integration, abstract measure theory. Prereq: Math 421. May be repeated up to nine times. Prerequisite: permission of instructor.

Statistics

800J Statistical Methods I (3) Distributions, dispersion, correlation, population and sample, the normal curve, sampling, inference. Single population, inferences. Statistical packages will be used in the course. Prereq: Math 131 or equivalent.

801J Statistical Methods II (3) Regression and correlation, chi-square, analysis of variance, t-tests, confidence intervals. Statistical packages to be used. Prereq: Statistics 800J or equivalent.

Music

800M Special Studies in Music (1-3) Seminars or workshops in Theory, History, Performance, and Composition. Prerequisites: consent of instructor and number of students offering during the prior semester. Prereq: Graduate standing and departmental permission.

854M Renaissance and Baroque Music Literature

855M Classical and Romantic Music Literature
Clinical and Romantic periods from the 18th and 19th centuries. Prerequisites: consent of instructor.

856M Music in the Twentieth Century (3) Study of performance media. Written work. Prereq: 6 credits of undergraduate music history and permission.

Statistics

923 Theory of Functions of Real Variables
Convergence, continuity, uniform convergence, Dini’s theorem, Lebesgue-Stieltjes integration, abstract measure theory. Prereq: Math 421. May be repeated up to nine times. Prerequisite: permission of instructor.

Physics

301/801E Elements of Electronics (3) The backbones of electrical and electronic circuits and devices and related theory. Measure resistance, capacitance, and inductance. Prereq: Math 102 or equivalent.

302/802E Optics (3) The nature of light energy as measured by light waves and wave equations of light. Prereq: Math 102 or equivalent.


Physics

Philo 105/205 Philosophy of Space Exploration (3) This course deals mainly with the justification needs. Topics to be covered include: the philosophical implications of new space exploration, space program and responses to them, spatial and celestial exploration, space colonists, and other related theoretical issues. Prereq: Graduate standing or permission of instructor.

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816J Current Topics in Science (1-3) The subject of this course will generally not be offered in a regular course. May be repeated for credit. Prerequisites will be listed in the schedule. Prereq: Consent of instructor.

375/875J Electricity and Magnetism I (3) An advanced discussion of electrodynamics and magnetostatics. Prereq: Math 325 or permission.

376/876J Electricity and Magnetism II (3) Prereq: Math 325 or equivalent.

385/885J 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 to classical theories. Prereq: Calculus and Physics 325 or permission.

407/807M The Special Theory of Relativity (3) This course covers the general theoretical background, the experiments, the relativistic transformations, covariant formulation, applications to electromagnetic and quantum mechanics, the philosophical implications of special relativity including relationship to the general theory. Prereq: Math 112 or 113.

412/812M Atomic and Molecular Physics (3) This course covers applications of quantum theory to atomic and molecular physics. Topics include the Schrodinger theory of atomic and molecular systems, square wells and simple harmonic oscillator potentials and barriers, one electron solutions of the problem, fine structure, orbital angular momentum, selection rules, magnetic effects, ionization and ionization potentials.

414/814M Nuclear Physics (3) This course is designed for students and condensed matter physicists. Prereq: Calculus and Physics 325 or permission.
and its relation to external events; emphasis on the processes of thinking. Prereq: None.

452/852M Psycholinguistics (3) A discussion of the literature concerned with how such psycholinguistic variables as perception, learning, memory, and development relate to the linguistic variables of sentence structure, meaning, and speech sounds. Prereq: Permission of Experimental Psychology laboratory or permission.

407/807M Cognitive Processes (3) An exploration of cognitive processes in psychology and theory concerned with higher cognitive processes including concept formation, problem solving, creativity, memory, and symbolic processing. Prereq: Permission of Experimental Psychology laboratory or permission.


427/827M Animal Behavior (3) Behavior of diverse animals for the understanding of the relationships between nervous integration and the behavior manifested by the organism, as well as the evolution and adaptive significance of behavior as a functional unit. Prereq: Psychology 101 and Biology 175 or permission. (Same as Biology 427 and 827M).

428/828M Animal Behavior Laboratory (1) Laboratory study of animal behavior with an emphasis on a psychological approach. Classical laboratory experiments with special emphasis on student studies will be conducted. (Same as Biology 428/828M) Prereq: Biology/ Psychology 101 or equivalent.

431/831M Psychological and Educational Assessment (3) An introduction to the assessment of individual differences in spatial arrangements and their interactions with social distance, territoriality, privacy, and such. Prereq: Permission of Experimental Psychology laboratory or permission.

455/855M Retardation (3) This course considers significantly subaverage intellectual functioning originating during the developmental period and associated with impairment in adaptive behavior. Prereq: Psychology 121 or 831M; or Psychology 213 or equivalent and Psychology 343 or 445/845M.

459/859M Psychology of Exceptional Children (3) A study of exceptional children and adolescents with sensory or motor impairments, including concept formation, problem solving, creativity, memory, and symbolic processing. Prereq: Psychology 101 or 831M or permission.

460/880M Social Work, Psychology, and the Law (3) An examination of selected social policy issues such as abortion, illegitimacy, alcoholism and drug addiction, creditor and debtor's rights, landlord and tenant relationships, housing law, right to treatment, status of the convicted individual, mental health commitment procedures. Prereq: SW 311 or its equivalent, at the graduate level SW 805 or permission.

800V The Profession of Psychology (3) A required non-credit course for psychology majors, focusing on the legal issues pertaining to the profession. Prereq: Permission of the department.

800V Psychological and Educational Assessment (3) An introduction to the assessment of individual differences in spatial arrangements and their interactions with social distance, territoriality, privacy, and such. Prereq: Psychology 101 or 831M or permission.

814V Nonparametric Statistics (3) A study of distribution-free statistics with special emphasis on application of distribution-free tests to research problems in social behavioral sciences. Prereq: Psychology 213 or equivalent.

841V Psychological Personality Theories (3) A comparative approach to the understanding and appreciation of personality theories considering idiosyncratic, assertions, applications, validations, and pros and cons. Prereq: Psychology 213 or equivalent.

845/855M Personality Theories (3) An introduction to the traditional and current theories of personality. Prereq: Psychology 213 or equivalent.

850V Introduction to School Psychology (3) This course is intended for the introductory graduate student in either the psychology or social work programs. It will constitute one of the student's first exposures to the professional field of school psychology involving standards of practice. The course will provide the student with knowledge of school psychological services and will be the foundation for subsequent courses. Prereq: Psychology 213 or equivalent.

851V Advanced Educational Psychology (3) A study of students' development and their applications to problems of concern to educators, particularly in the area of learning theories. Prereq: Psychology 351.

852V Clinical Assessment I: Foundations (3) This is an introductory course in the Clinical I and II sequence designed to examine the aberrant behavior of individuals. Prereq: Psychology 121 or 851 V.

859V Individual Differences Test (1) This course includes completion of all courses of psychology including completion of pre-requisite courses. Prereq: Psychology 431/831M or 433/833M or permission.
91 Sliding examination of statistical techniques for describing the data of the individual and for the collective. It is to be done with permission for the instruction.

92 Multivariate Statistical Analysis (3) An examination of statistical techniques for describing the data of the individual and for the collective. It is to be done with permission for the instruction.

93 Proseminar: Perception (3) A course in comprehending the literature and conducting evaluation studies, with the student being responsible for conducting research. The course is intended for doctoral and postdoctoral students in the applied social sciences.

94 Proseminar: Social Psychology (3) A course in comprehending the literature and conducting evaluation studies, with the student being responsible for conducting research. The course is intended for doctoral and postdoctoral students in the applied social sciences.

95 Proseminar: Developmental Psychology (3) A course in comprehending the literature and conducting evaluation studies, with the student being responsible for conducting research. The course is intended for doctoral and postdoctoral students in the applied social sciences.

96 Proseminar: Clinical Psychology (3) A course in comprehending the literature and conducting evaluation studies, with the student being responsible for conducting research. The course is intended for doctoral and postdoctoral students in the applied social sciences.

97 Proseminar: Educational Psychology (3) A course in comprehending the literature and conducting evaluation studies, with the student being responsible for conducting research. The course is intended for doctoral and postdoctoral students in the applied social sciences.

98 Proseminar: Psychological Research (3) A course in comprehending the literature and conducting evaluation studies, with the student being responsible for conducting research. The course is intended for doctoral and postdoctoral students in the applied social sciences.

99 Proseminar: Research Methods (3) A course in comprehending the literature and conducting evaluation studies, with the student being responsible for conducting research. The course is intended for doctoral and postdoctoral students in the applied social sciences.

100 Undergraduate Psychology (3) A course in comprehending the literature and conducting evaluation studies, with the student being responsible for conducting research. The course is intended for doctoral and postdoctoral students in the applied social sciences.

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I860V Seminar in Public Financial Administration (3) An in-depth study of major financial and administrative problems facing public agencies. The course will include a case study of a public agency and emphasis will be placed on the evaluation of budgetary planning and control. Prerequisite: PA 217. Introduction to Public Administration or permission of instructor.

I844V Seminar in Organization Development in Public Agencies (3) A study of the theory and practice of organizational development in public agencies. Development of interpersonal skills in dealing with organizational problems is stressed. Prerequisite: Permission of graduate advisor.

I845V Seminar in Advanced Management Analysis in Public Administration (3) A study of the theory and method related to analysis of problems of organization and workflow in public agencies. The course includes in-depth study of the relationships existing in public agencies. Prerequisite: Permission of graduate advisor.

I846V Seminar in Personalized Education: The World of Manufacturing (3) Financial organization, intergovernmental financial relations, and the administrative and professional roles of public planners and control. Prerequisite: Permission of graduate advisor.

I847V Seminar in Administrative Law (3) A review of the law of administrative agencies and the role and character of administrative action. Prerequisite: Permission of graduate advisor.

I870V 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 strategy for applicant and awarding agencies, program/proposal analysis, and preparation of competitive applications. Prerequisite: Gradute standing with P.A. major, or permission of the instructor.

I881V Seminar in Metropolitan Planning (3) An overview of the present status of metropolitan areas with special emphasis on the administration of planning departments, comprehensive plans, and programs of annexation. Prerequisite: Geog. 412 or recommendation by the instructor. (Also listed under geog.)

I883V Advanced Topics in Public Administration (1-3) A special seminar on selected topics based upon special needs of graduate students in selected options. Normally taught by the professors in the field. Prerequisite: Graduate standing, permission of instructor, prior course work and/or experience in the topical area.

I892V Readings in Public Administration (1-3) Specically planned readings in public administration for the graduate student who encounters scheduling problems in the completion of his degree program, or who has special preparatory needs and who is judged by the department to be capable of profiting by a highly intensive independent course of study. Prerequisite: Permission of graduate advisor.

I894V Research in Public Administration (1-3) The course is intended for advanced graduate students studying public administration. It is especially suited for those interested in the professional and graduate work. Prerequisites: waived and those in-career students who have had a previous course in American government, social sciences, and a .05 Self-study laboratories. Prerequisite: For 421, junior. For 422, senior. Prep: SW 820V or permission of instructor.

I810V Sociology of Social Work (3) A course in the development, acquisition and administration of social work agencies. Prerequisite: Permission of graduate advisor.

I820V Readings in Social Work (2) Seminar in the development, acquisition and administration of social work agencies. Prerequisite: Permission of graduate advisor.

I849V Clinical Seminar in Mental Health (3) A review of the law of administrative agencies and the role and character of administrative action. Prerequisite: Permission of graduate advisor.

I812V Social Work Practice I (3) This course is designed to enhance the student's ability to function in the social work profession. The course will provide supervised individualized learning experiences in selected social work agencies, introducing students to the techniques of social work practice, and emphasizing social work practice role in the delivery of human services and functioning in social work settings. Prerequisite: SW 802V prior to or concurrent.

I813V Social Work Practice II (3) This course is designed to enhance the student's ability to function in the social work profession. The course will provide supervised individualized learning experiences in selected social work agencies, introducing students to the techniques of social work practice, and emphasizing social work practice role in the delivery of human services and functioning in social work settings. Prerequisite: SW 802V prior to or concurrent.

I814V Social Work Practice III (3) This course is designed to enhance the student's ability to function in the social work profession. The course will provide supervised individualized learning experiences in selected social work agencies, introducing students to the techniques of social work practice, and emphasizing social work practice role in the delivery of human services and functioning in social work settings. Prerequisite: SW 802V prior to or concurrent.

I840V Advanced Social Work Practice I (3) To provide individualized professional experiences in micro or macro social work practice. Prerequisite: SW 816V or equivalent or concurrent with SW 812V. Prereq: SW 816V or equivalent or concurrent with SW 812V.

I841V Advanced Social Work Practice II (3) To provide individualized professional experiences in micro or macro social work practice. Prerequisite: SW 816V or equivalent or concurrent with SW 812V. Prereq: SW 816V or equivalent or concurrent with SW 812V.

I842V Advanced Social Work Practice III (3) To provide individualized professional experiences in micro or macro social work practice. Prerequisite: SW 816V or equivalent or concurrent with SW 812V. Prereq: SW 816V or equivalent or concurrent with SW 812V.
Macro Practice Courses

580V Social Development (3) An analysis of the social service process as a model of social and societal change. The concept of social development and the role of the United Nations has been adopted by many developing nations and is gaining importance. This course will emphasize utilization of development models in developing nations, including the United States. The course is offered for students working towards a Masters Degree in Social Work. More emphasis is placed on macro social work practice. Prereq: Completion of social work foundation courses or permission of the School.

523V Social Work Administration (3) A study of the role of the social work administrator in the creation and implementation of social service agencies of varying sizes. Prereq: SW 814V, SW 817V, or permission of instructor.

545V Social Work Planning (3) An advanced course in social planning, including administrative planning for social services, comprehensive planning for social welfare programs, and planning for social change. Prereq: SW 814V, SW 817V, or equivalents, or permission of instructor.

565V Supervision in Social Work (3) To provide the student with knowledge of theories and practice in techniques used in supervising paid or volunteer workers in agencies, with emphasis on the leadership and helping functions of the supervisor in both educational and administrative roles. Prereq: Successful completion of the undergraduate social work major or one graduate year of social work experience. Students are required to complete an independent study topic with the faculty supervisor. Prereq: SW 814V or permission of instructor.

585V Social Work, Social Action, Change & Political Advocacy (3) An advanced policy course in international and comparative social welfare policy at various points in the political system. Prereq: Social WorkSW 401 or 401M, or permission of instructor.

Social Problem/Condition Courses

418/818M Permanence for Children (3) The course is an elective for the advanced student who is seeking to acquire an understanding of the issues involved in providing services to persons who have been affected by dependency, child abuse and neglect, and to acquire skills in working with children, biological parents, foster parents, adoptive parents, and other systems involved in the welfare of children. Prereq: SW 417V or permission of instructor.

460/860V Social Work in Mental Health (3) This course is designed for the advanced student who is seeking substantial specialized knowledge of current social work practice in mental health and mental retardation services. Prereq: Social Work SW 814V or equivalent and permission of instructor.

463/863M Social Work in Health Care Programs (3) A critical review of the role of social work practice in health care programs; as it, its current status, emerging roles, plans for the future. Prereq: Social Work SW 814V or equivalent and permission of instructor.

467/878M Social Work with Minorities (3) The course is designed to provide the student with general insight into working with minorities and specific knowledge of the minority group, including knowledge of the history and current status of the community. Prereq: Social Work SW 814V or permission of instructor.

468/878M Social Work in Child Welfare (3) The course is designed for a group of students who will be working directly with children in the field of child welfare. Prereq: Social Work SW 814V or permission of instructor.

488/888M Social Work in Industrial Relations (3) A study of the role of the social worker in the field of industrial relations. Prereq: Social Work SW 814V or permission of instructor.


589V General Social Welfare (5-6) An introduction to the major social welfare programs and services covered are: Social Security, Social Security Disability Insurance, Medicare, Medicaid, Food Stamps, Temporary Aid to Needy Families, Foster Care, Adoption, Child Abuse and Neglect, Domestic Violence, Juvenile Delinquency, and more. Prereq: Social Work SW 814V or permission of instructor.

598V Topic Seminar in Social Work (2-4) Advanced topics and experiences in social work theory and practice. Topics will be announced when the course is offered. The topics selected will be consistent with faculty expertise and student needs. This course may be repeated for up to nine hours credit. Prereq: Graduate Standing.

Social Problems of Contemporary and Cross-Cultural Societies

892V Seminar in Social Work Research (1-3) Special studies in a selected area of social welfare for deepening understanding in that particular area. Prereq: Permission.

892V Seminar in Utilization of Research in Social Work (1) Development of the utilization of research in social work practice. Prereq: Social Work SW 814V or equivalent, statistics or permission of instructor.

894V Evaluation of Social Programs (3) A study of the various methods of evaluation of social welfare programs and structures, recognition of the role of social research in evaluation. Prereq: Graduate Standing.

895V Research Design Thesis (3) Students prepare the research design for an independent research project, carry out the proposed study and prepare a detailed report of the purpose, design, methodology and meaning of the study. Prereq: SW 892V and permission of instructor.

897V Research Thesis (3) Students prepare the research design for an independent research project, carry out the proposed study and prepare a detailed report of the purpose, design, methodology and meaning of the study. Prereq: SW 892V and permission of instructor.

998V Master's Thesis (6) Under the supervision of the thesis instructor and the thesis committee, the student will complete the research project. Prereq: Graduate Standing and permission of instructor.

999V Doctoral Dissertation (3) A critical review of the student's thesis research project. Prereq: Graduate Standing and permission of instructor.

Sociology

401/801M Social Control of Behavior (3) The social processes by which individuals or groups regulate their behavior, such as the process of social control. Prereq: Sociology 401 or 801M. For 401M, 9 hours of sociology, including one course in social psychology. For 401, 10 hours of sociology, including one course in social psychology. For 801M, 10 hours of sociology, including one course in social psychology.

402/802M Collective Behavior (3) Group and individual processes of group interaction and development, and transformation of group action and social interaction. Prereq: Sociology 401 or 401M. For 402M, 10 hours of sociology, including one course in social psychology. For 802M, 10 hours of sociology, including one course in social psychology.
such as racial, ethnic, age, sex, etc. School materials and attitudes will also be examined in determining the effect they have on students.

805V Models for Teaching

806V Special Studies (1-3) A series of intensive readings especially designed for graduate students who are involved in areas of interest to them. (Same as Counseling 480/880M.)

811V Introduction to Multicultural Education (1) This course introduces the concept of multicultural education. It is designed to develop awareness of cultural pluralism.

817V Teaching Ethnic Studies (1) A study of methods of teaching ethnic studies, including some of the current theories and practices in this field.

821V Improving Instruction in Elementary Mathematics (3) This course is designed for graduate students who wish to become better teachers of mathematics. Practical teaching experience will be given in the development of lesson plans.

833V Analysis of Teacher Behavior (3) Emphasis is placed upon current observational systems for the study of teacher behavior in the classroom.

844V Innovations in Language Arts (3) This course is designed to enable students to design instructional units in the areas of English and reading.

849V Gifted Students (3) A course designed to improve the teaching of gifted students. It is designed to provide both practical and theoretical knowledge of the field of gifted education.

854V Developing Instructional Courseware (3) This course is designed to design instructional systems suitable for computer use.

869V Introduction to the Education of the Gifted (3) This course will be concerned with the process of defining and identifying gifted students.
845V Seminar in Supervision of Student Teachers

Elementary (3) Designed for experienced teachers who are at or may be serving as cooperating teachers and who desire to study methods of supervision of teaching, its aims, procedures, objectives, trends, and developments. Prereq: 2 years of teaching experience.

856V Workshop: Newspaper in the Classroom (3) A course designed to assist teachers in planning their work as an aid to classroom instruction. The course content includes the importance of the newspaper, newspaper advertising, and cooperative activities suitable for classroom use, and a study of available curriculum materials.

Library Sciences

845M Seminar in Care for Children and Youth (3) The development and utilization of literacy materials through reading. It is for the student an opportunity to explore, evaluate, and understand literature for children; to acquaint students with the field; and to provide an opportunity for developing more meaningful and creative learning experiences for children. Prereq: Library 871. Graduate.

871M Reference and Bibliography (3) This course is designed to acquaint students with the basic skills in the use of information services in reference function of libraries. It includes reference work and with the techniques of aiding librarians in their pursuit of information. Prereq: Admission to Graduate College.

872M Reference and Advanced Subject Bibliography (3) This course provides an introduction to the reference function reference work; combine evaluation of reference sources and services with the techniques of reference function of libraries; and acquaint students with the use of reference sources and services for educational purposes. Prereq: Admission to Graduate College.

873M Cataloging and Classification I (3) The course is designed to acquaint students with cataloging skills as instructed in the Library of Congress Classification system. Prereq: Admission to Graduate College.

874M Cataloging and Classification II (3) The course is designed to acquaint students with cataloging skills as instructed in the Library of Congress Classification system. Prereq: Admission to Graduate College.

875M Media and Evaluation of Educational Information Resources (3) This course is designed for persons interested in evaluating learning resources particularly in a school environment. Prereq: Admission.

483/483M Literature for the Adolescent (3) This course is designed to assist library media special-

COURSE DESCRIPTIONS

845/887M Adult Group Leadership (3) A study of leadership theory and practice with special emphasis on the administration of the party-time cooperative program. Analysis of the laws and regulations governing this program. (S,Su)

848/887M Problems: Post-Secondary/Higher Education (3) This course surveys the historical development, current status and future directions of post-secondary/higher education in the United States. Its major focus is on the problems and challenges of the post-secondary/higher education environment today. (S,Su)

881/888M Principles: Teaching-Community and Junior College (3) This course is designed for graduate students who are interested in the field of education at the junior college level. (S,Su)

820V Seminar for Cooperating Teachers (3) A seminar for cooperating and prospective cooperating teachers. Discussion of pertinent principles and techniques of supervising student teachers and student aides in the secondary school. Assessment of kinds of programs and experiences available to pre-service students.


830V Emerging School Curriculum (3) Designed to provide the student with an understanding of trends and changes in secondary school curriculum development with the principles and practices utilized in the continuous improvement of teaching and learning. Prereq: Admission to Graduate College.

833V Improvement of Instruction in Secondary School Foreign Language (3) This course is designed especially for the teacher who is interested in the improvement of instruction in foreign language. The course will encompass a wide range of strategies for improving the instruction of such languages, but will concentrate on current developments in the field. Prereq: Admission to Graduate College.

840V Improvement of Instruction of Secondary School English Language (3) Exploration of the implications of recent research in the teaching of English as a foreign language. (S,Su)

841V Improvement of Instruction of Secondary School English Literature (3) Exploration of the implications of recent research in the teaching of English literature and rhetorical for instructional improve-
845V Improvement of Instruction of Secondary School Social Studies (3) - Designed especially for teachers who are interested in the improvement of instruction of the social studies. Will encompass the whole range of opportunities available for the improvement of social studies instruction; emphasis will be concentrated on current developments that have implications for the classroom teacher.

847V Materials Laboratory for The Social Studies (3) - Designed to acquaint social studies teachers with new materials in the social studies. Students will develop criteria for the evaluation of materials from recent curriculum projects.

850V Improvement of Instruction: Mathematics (3) - This course is designed for those students who wish to extend their skills in employing instructional techniques for teaching mathematics. Emphasis is placed upon new developments such as computers and calculators and contemporary teaching strategies.

853V Seminar in Mathematics Education (3) - A graduate seminar in K-12 mathematics education emphasizing recent curricular developments, curriculum planning and evaluation, research, mathematics supervision, and contemporary issues in mathematics education. Prereq: Graduate standing and permission of instructor.

865V Science Education Seminar (3) - A graduate seminar in K-12 science education emphasizing research, newly developed science curricula, curriculum planning, science supervision and treatment of one or more localized science education issues.

868V Trends and Teaching Strategies in Science Education (3) - This course is designed for the graduate student whose study program emphasis is in the area of science education. Its focus will be K-12 and as such is meant to serve graduate students in both elementary and secondary education departments. The course will describe and analyze past and present trends in science education including curricula, teaching-learning strategies, the laboratory, and instructional materials. Particular strategies that have merit and relevance concerning today's students and teachers will be treated in depth.

870V Introduction to Vocational Special Needs (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.

871V Improvement of Vocational Curriculum for the Special Needs Learner (3) - Designed for secondary education personnel who desire competency in vocational curriculum modification to meet individual needs of students who are unable to succeed in a regular classroom setting. Prereq: SED 870V - Introduction to Special Vocational Needs.

872V Career Exploration and Occupational Readiness for the Vocational Special Needs Learner (3) - The course involves the processes of diagnosing students' needs in vocational education, communicating occupational information, and assisting students in the preparation for job entry-level employment. This course is intended for teachers, counselors, and educational support personnel. Prereq: SED 870V - Introduction to Vocational Special Needs.

875V Improvement of Instruction in Vocational Business Education (3) - A course designed for teachers of business education to provide information, methods, and techniques relative to current practices and trends in vocational business education.

876V Problems of Vocational Business Education (3) - Designed for teachers of business education to develop a better understanding of the purposes, philosophy, current practices and trends in business education.

877V Vocational Curriculum Construction (3) - A course designed for teachers, supervisors, coordinators, and administrators of vocational education. The course includes principles, needs, factors, and trends that should be considered in developing a vocational education curriculum.

880V Administration and Supervision of Vocational Education (3) - Basic concepts for administration and supervision of vocational education, related to the needs of the superintendent, principal, supervisor. (Same as EDAD 880V.) Prereq: Graduate Standing.

Urban Studies

882M Comparative Urban Studies (3) - Comparative urban studies. Emphasis will be upon contrasting the cities of the developed and developing areas of the world. (Also listed under geography.)

881V The Metropolis As A Public Economy (3) - The integration of politics and economics in the urban system as they affect urban problems such as poverty, transportation, housing, crime, education, and the environment will be analyzed.

882V Race, Ethnicity, and American Urban Culture (3) - This course explores two central themes, race and ethnicity, which have played a dominant role in the shaping of American society and American culture.

883V-884V Interdisciplinary Seminar On The Urban Community (3-6) - An interdisciplinary course on the metropolitan community in which urban problems are put in a broad interrelated focus. (Also listed under economics, geography, political science, and sociology.)
Faculty and Administration

Graduate Faculty

Paul B. Ackerson Teacher Education Ed.D., Oklahoma State University, 1965; Professor

James C. Akers Counseling and Special Education Ed.D., Oklahoma State University, 1969; Associate Professor

Larry Albertson Teacher Education Ed.D., University of Georgia, 1973; Associate Professor

David M. Ambrose (GF) Marketing D.B.A., George Washington University, 1971; Professor

Clifford Andenberg Philosophy and Religion Ph.D., University of Wisconsin-Madison, 1933; Professor

Earl D. Anderson Accounting Ph.D., University of Nebraska—Lincoln, 1978; Assistant Professor

Sunny Andrews Social Work Ph.D., Johns Hopkins University, 1973; Associate Professor

Anne Aytlinger Biology Ed.D., University of Georgia, 1970; Assistant Professor

Aaron Armfield Counseling and Special Education Ed.D., University of Northern Colorado, 1964; Professor

Kathleen Auerbach Sociology Ph.D., University of Minnesota, 1976; Assistant Professor

Walter M. Bacon, Jr. Political Science Ph.D., University of Denver, 1974; Assistant Professor

Bruce P. Baker English Ed.D., Texas Christian University, 1968; Professor

William Kenton Bales Music D.M.A., North Texas State University, 1985; Assistant Professor

George W. Barger Sociology Ph.D., University of Missouri-Columbia, 1964; Professor

Nicholas Bariss Geography Ph.D., Clark University, 1967; Professor

Otto F. Bauer (GF) Communication Ph.D., Northwestern University, 1959; Professor

Virginia L. Bean Accounting Ph.D., University of Texas at Austin, 1965; Professor

Gordon M. Becker (GF) Psychology Ph.D., University of Pittsburgh, 1955; Professor

Joseph V. Benak Civil Engineering Ph.D., University of Illinois-Urbana, 1967; Professor

Robert W. Benecke Banking and Finance D.B.A., University of Colorado-Boulder, 1966; Professor

Roger W. Berg Health, Physical Education and Recreation Ph.D., University of Oregon, 1979; Associate Professor

Joseph Bertinetti Counseling and Special Education Ph.D., University of New Mexico, 1972; Associate Professor

John V. Blackwell Art Ph.D., University of Iowa, 1957; Professor

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Thomas Bragg (GF) Biology Ph.D., Kansas State University, 1974; Associate Professor

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John K. Brilhart (GF) Communication Ph.D., Pennsylvania State University, 1962; Professor

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William M. Brown Marketing Ph.D., University of Pittsburgh, 1957; Professor

Barbara E. Buchalter Mathematics and Computer Science Ph.D., University of Arizona, 1968; Professor

H. Edwards Buchanan Health, Physical Education and Recreation Ed.D., University of Houston, 1973; Associate Professor

Sidney Buchanan Art M.A., New Mexico Highlands University, 1963; Professor

David M. Buehmann Accounting Ph.D., University of Illinois, Urbana, 1975; Associate Professor

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Sidney Buchanan Social Work Ph.D., Brandeis University
GRADUATE FACULTY MEMBERS (Joint Appointment with College of Medicine)

CAROL R. ANGE (PhD), Psychology Ph.D., Cornell University, 1951; Professor
KENNETH BERRY (PhD), Psychology Ph.D., Texas Christian University, 1964; Associate Professor of Medical Psychology
KARENS BUDG (PhD), Psychology Ph.D., University of Kansas, 1975; Associate Professor
ROBERT J. ELLINGSON (PhD), Psychology Ph.D., Northwestern University, 1970, M.D., University of Nebraska-Lincoln, 1963; Professor
ALAN J. FIX (PhD), SUNY at Buffalo, 1969; Associate Professor
CHARLES GOLDEN (PhD), Psychology Ph.D., University of Hawaii, 1975; Associate Professor
J. MICHAEL LEIBowitz (PhD), Psychology Ph.D., University of Maryland, 1974; Associate Professor
CORDELIA ROBINSON Psychology Counseling and Special Education Ph.D., George Peabody College for Teachers, 1972; Associate Professor
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JOHN W. BOHRBAUGH Psychology Ph.D., University of Illinois, 1973; Assistant Professor
JACK A. STARK Psychology Counseling and Special Education Ph.D., University of Nebraska, 1973; Assistant Professor
FRED STRIDER (PhD) Psychology Ph.D., University of Nebraska, 1961; Associate Professor
WILLIAM D. WOOD Psychology Ph.D., University of North Carolina, 1967; Assistant Professor
Karen Maloney (GF) Psychology Ph.D., University of Kansas, 1973; Assistant Professor

Robert McCall (GF) Psychology Ph.D., University of Pennsylvania, 1966; Professor

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Bruce Warr (GF) Psychology Ph.D., Boston University, 1963; Associate Professor

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