1982

Graduate Academic Catalog (1982-1984)

University of Nebraska at Omaha

Follow this and additional works at: http://digitalcommons.unomaha.edu/gradcatalogs

Part of the Higher Education Administration Commons

Recommended Citation

University of Nebraska at Omaha, "Graduate Academic Catalog (1982-1984)" (1982). Graduate Catalogs. 1.
http://digitalcommons.unomaha.edu/gradcatalogs/1

This Report is brought to you for free and open access by the UNO Academic Catalogs at DigitalCommons@UNO. It has been accepted for inclusion in Graduate Catalogs by an authorized administrator of DigitalCommons@UNO. For more information, please contact unodigitalcommons@unomaha.edu.
University of Nebraska at Omaha
Graduate Catalog
1982-84
THE BOARD OF REGENTS

Robert Kozelko, M.D.,
Grand Island
Richard Meckler, UNI, Student Rep.
James H. Moynihan, Omaha (Chancellor)
Robert Prokop, M.D., Ph.D.,
Willow
Ronald W. Reeske, Ph.D.,
President
The University of Nebraska

ADMINISTRATION

Del D. Weber, Ed.D.
Chancellor

Gary L. Carruth, M.B.A.
Vice Chancellor for Academic Affairs

Don Leacy, M.S.
Director, Intercollegiate Athletics

COLLEGES

John E. Karrigan, Ph.D.
Dean, The College of Arts and Sciences

Harold L. Davis, Ed.D.
Dean, The College of Business Administration

Alan S. Hackett, Ph.D.
Dean, The College of Continuing Studies

John Paynet, Kansas
Robert G. Simmons, Jr.,
Vice Chancellor for Academic Affairs

Kermit Wagner, Schuyler

William Swanston, Corporation Secretary

Gary L. Carruth, M.B.A.
Vice Chancellor for Business and Finance

Robert S. Runyon, M.L.S.
Director, Library

TABLE OF CONTENTS

Administration .................................................................................. 2
Calendar ............................................................................................ 5
Departments Offering Graduate Instruction ...................................... 7
General Information ........................................................................... 9
Graduate Studies at UNO .................................................................... 9
Accredited Standing ......................................................................... 9
Equal Opportunity/Affirmative Action Policy Statement.................. 10
Privacy Act ....................................................................................... 10
Degree Programs ................................................................................ 10
University Regulations ....................................................................... 11
Admission and Transcripts ............................................................... 12
Admission Fee-Graduate ................................................................... 11
Examinations for Graduate Students ............................................... 12
Classification of Admission ............................................................ 12
Unconditionally ............................................................................... 12
Provisional ...................................................................................... 13
Unclassified ................................................................................... 13
Semi-Restricted .............................................................................. 13
Temporary ...................................................................................... 14
Graduate Program Committees ....................................................... 14
Registration Procedure .................................................................... 14
Admission to Candidacy for Graduate Degree............................... 14
Applicants for the Degree ............................................................... 15
Final Comprehensive Examination ............................................... 15
Thesis ............................................................................................ 15
Quality of Work .............................................................................. 16
Incomplete Policy ............................................................................ 16
Change of Majors ........................................................................... 17
Policy on Class Attendance ........................................................... 17
Appeals Procedure .......................................................................... 17
Outsider Office ............................................................................... 18
Study Load ...................................................................................... 18
Dropping and Auditing Courses ...................................................... 19
Courses for Graduate Credit ........................................................... 19
Residence Requirements .................................................................. 19
Transfer of Credit ........................................................................... 19
Withdrawal from the University ...................................................... 20
Time Limit for Graduate Degrees .................................................. 20
Tuition, Fees, Deposits and Refunds ............................................... 20
Student Development Services ....................................................... 30
Financial Aid for Graduate Students .............................................. 36
Graduate Assistantships ................................................................. 36
Tuition Waivers for Graduate Students ......................................... 27
Traveling Scholar Program ............................................................. 27
Reciprocity Agreement .................................................................... 27
Scholarships .................................................................................. 28
Grants ........................................................................................ 28
Work Study ................................................................................... 28
Organizations ................................................................................ 38
Administrative Council for Graduate Studies ................................. 38
University Research Committee ..................................................... 39
Extramural Grants .......................................................................... 39
Policy on Plagiarism ........................................................................ 39
Policy on Ethical Conduct .............................................................. 39
Summary Procedure for Graduate Students .................................... 31
Degree and Certificate Requirements .............................................. 33
Biology .......................................................................................... 33
Business Administration .................................................................. 33
Civil Engineering ........................................................................... 36
Communication ............................................................................... 36
Counseling and Special Education ................................................ 37
Criminal Justice .............................................................................. 45
Dramatic Arts ............................................................................... 46
Economics ..................................................................................... 47
Educational Administration-Supervision and Foundations ......... 48
First Semester 1982-83

July 9
Last day for submitting credentials for admission to Graduate Studies for First Semester 1982-83.

July 12-Aug. 27
Orientation.

July 27
Last day for submitting credentials for admission to an undergraduate college for the First Semester 1982-83.

Aug. 18,19,20
Registration (Fieldhouse)

Aug. 23
First semester begins at 7:00 a.m. both day and evening classes.

Aug. 27-28
Change of class schedule.

Aug. 27
Last day until 4:00 p.m. to: Add a course to student's schedule; Add an "audit" course; Change to "CR/NC" grade in a course.

Sept. 7
Vacation; no classes. University closed.

Oct. 4
Last day for filing applications for degrees to be conferred in December.

Oct. 15
Due: Mid-term (8th week) report from faculty of grades under C for all undergraduates.

Nov. 5
Last day until 4:00 p.m. to: Drop a course with a grade of "W"; Change a course to "audit" credit; Change from "CR/NC" to grade registration in a course.

Nov. 21-28
Thanksgiving vacation; no classes.

Nov. 29
University closed.

Dec. 10
Last day for submitting credentials for admission to Graduate Studies for Second Semester 1982-83.

Dec. 10
Last day of classes.

Dec. 17
Finals.

Dec. 18
Commencement.

Dec. 22
Grades due in Registrar's Office at 12:00 noon.

Dec. 24-27
Holiday. University closed.

Dec. 31
Holiday. University closed.

Dec. 27-Jan. 7
Special course offerings.

Jan. 3
Last day for submitting credentials for admission in undergraduate college for the Second Semester 1982-83.

Jan. 3-7
Orientation.

Jan. 5-6
Registration (Fieldhouse)

Jan. 9
Second Semester begins at 7:00 a.m. both day and evening classes.

Jan. 10-14
Change of class schedule.

Jan. 14
Last day until 4:00 p.m. to: Add a course to student's schedule; Add an "audit" course; Change to "CR/NC" grade in a course.

March 8
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.

March 25
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.

March 29-30
Spring vacation; no classes.

March 31
Classes resume at 7:00 a.m.

April 12
Last day for submitting credentials for admission to Graduate Studies for the Evening Summer Session 1982-83.

April 21
Status report for all prospective graduating students due in Registrar's Office at 12:00 noon.

April 29
Last day of classes.

April 30-May 6
Finals.

May 7
Commencement.

May 8
Last day for filing credentials for admission to Graduate Studies for the First Summer Session, 1983.

May 11
Grades due in Registrar's Office by 12:00 noon.

May 30
Memorial Day; University closed.
**Summer Session 1983**

- **May 16-July 8**: Evening Session.
- **May 27**: Last day for submitting credentials for admission to an undergraduate college.
- **June 1-2**: Registration.
- **June 6-July 8**: First Summer Session.
- **June 6-8**: Change of class schedule.
- **June 9**: Last day for submitting credentials for admission to Graduate Studies for the Second Summer Session 1983.
- **July 4**: Holiday; University closed.
- **July 5**: Last day for filing applications for degrees to be conferred August 13, 1983.
- **July 6-8**: Last day for submitting credentials for admission to Graduate Studies for the First Semester 1983-84.
- **July 11-Aug. 12**: Second Summer Session.
- **July 28**: Last day for submitting credentials for admission to an undergraduate college for the First Semester 1983-84.
- **July 29**: Status report for all prospective graduating students due in Registrar's Office by 12:00 noon.
- **Aug. 13**: Summer Commencement.
- **Aug. 17**: Final grades due in Registrar's Office by 12:00 noon.

*These dates are subject to change. Modifications in the academic calendar could be necessitated by emergency conditions.*

---

**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>Master of Arts</th>
<th>Master of Science</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>x</td>
<td>x</td>
<td>MBA</td>
</tr>
<tr>
<td>Biology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Administration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Counseling and Special Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counseling and Guidance</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Agency Counseling</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>College Student Personnel Services</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Elementary Counseling</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Gerontology</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Secondary Counseling</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Speech Pathology</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching the Deaf</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching the Emotionally Disturbed</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Teaching the Mentally Retarded</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dramatic Arts</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Economics</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Educational Administration-Supervision and Foundations</td>
<td></td>
<td></td>
<td>Ed.S.</td>
</tr>
<tr>
<td>Administration-Supervision</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elementary Administration</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Secondary Administration</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Educational Administration without Endorsement</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Urban Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Languages</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>French</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>German</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Geography</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Gerontology</td>
<td>x</td>
<td>x</td>
<td>Certificate</td>
</tr>
<tr>
<td>Health, Physical Education and Recreation</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>History</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Music</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Physics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Psychology</td>
<td>x</td>
<td>x</td>
<td>Ph.D.*</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial Organizational Psychology</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>School Psychology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6th Yr. Certificate and Ed.S.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Administration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Sociology</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Teacher Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elementary Education</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Reading</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Secondary Education</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Urban Studies</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Ph.D. in the specialties of industrial psychology and developmental psychology offered in conjunction with the Psychology Department, UN-L. Ph.D. in the specialty of experimental child psychology is offered in conjunction with the Educational Psychology and Measurements Department, UN-L.

**English as a second language.**
GENERAL INFORMATION

GRADUATE STUDIES AT UNO

The first Master's degrees were awarded in 1919 by a special vote of the Board of Trustees 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 become 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 Science, 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, practices, 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.

ACCREDITED STANDING

The University of Nebraska at Omaha is fully accredited by the North Central Association of Colleges and Secondary Schools, and has programs which are accredited or approved by the National Council for Accreditation of Teacher Education, the National 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 shall not be denied to any person because of their age, sex, race, color, national origin, or religions 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, counseling, physical education and recreational services, and the membership practices of student organizations.

Further, UNO commits itself to a program of affirmative action to encourage the application of minority, women and handicapped students, to identify and eliminate the effects of any past discrimination in the provision of educational and related services, and 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 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 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.

**PRIVACY ACT**

In compliance with the Family Education Rights and Privacy Act of 1974, the University of Nebraska does not release personally identifiable information about students to others except as provided in this policy. All individuals have the right to receive a transcript and to challenge the accuracy of this record. Copies of their records may be obtained at the Office of Student Activities, the University Information Center, the Registrar’s Office, the Orientation Office, or the Office of Educational and Student Services.

Special Note: UNO welcomes handicapped students. Section 504 of the Rehabilitation Act of 1973 does not allow us to make prediscrimination inquiries 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. All departmental requirements must be in accord with the policies and practices of the Graduate College.

**Master of Arts or Master of Science Degree**

A departmental or interdepartmental program for either the Master of Arts or Master of Science degree. Option I. A 30 semester-hour program (maximum 30 semester hour thesis credit included) 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 relevant professional course in education.

**Master of Business Administration Degree**

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

**Master of Public Administration Degree**

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

Three examinations: the Graduate Record Examination, the Graduate Management Admission Test and the Miller Analogies Test, are used by various departments to provide valuable evidence of a student's qualifications for graduate work and are helpful in planning courses of study.

These tests are given at UNO under the supervision of the Director, Counseling and Testing Center. Registration deadlines and testing dates are available from the Counseling and Testing Center, Eppley Building. A nominal fee is charged for the tests at the departments in the student's major and minor. In addition to the specified transcript record, appropriate scores on the Graduate Record Examination, Miller Analogies Test, or the Graduate Management Admissions Test must be supplied to the Dean for Graduate Studies and Research.

Graduate Record Examination (GRE)

Graduate students are required to take the general aptitude test of the Graduate Record Examination (GRE) during their first semester of enrollment in Graduate Studies, unless they have taken an equivalent test properly approved by the Dean for Graduate Studies and Research. The advanced area test is also required unless this test has been waived by the cognizant Graduate Program Committee. A student who has not taken the GRE prior to application for admission to Graduate Studies but who is judged by other evidence to be capable of graduate study, is assigned provisional status. A final determination of classification will be made after the examination scores have been reviewed. Students who wish to be admitted to Psychology Department programs are required to submit General Aptitude (GRE) scores before being considered for admission.

Graduate Management Admission Test (GMAT)

Applicants for admission to the Master of Business Administration program are required to take the Graduate Management Admission Test in lieu of the Graduate Record Examination. Test results must be submitted prior to admission.

Miller Analogies Test (MAT)

Graduate students who have been admitted into the Department of Educational Administration, Supervision and Foundations may take the Miller Analogies Test in lieu of the Graduate Record Examination.

Students seeking admission to graduate programs in Counseling and Special Education must take the Test of English as a Foreign Language (TOEFL) unless they are enrolled in an advanced degree program at another institution and wish to transfer credits earned at UNO.

The Test of English as a Foreign Language

A. Admission: A TOEFL score of 550 and at least one of the following:

1. A recommendation acceptable to the Office of Admissions from an English language program.

2. Ten full credit hours of college-level coursework in English.

B. Requirement: Students scoring below 500 on the TOEFL must take the English Department ESI and will be required to take undergraduate English courses as determined by the English Department until the deficiency has been corrected. Successful completion of graduate courses in the English Department will be in automatic dismissal. Students who have enrolled under the Unclassified designation and who subsequently decide that they wish to take graduate-level coursework with an English language program, will be required to take undergraduate English courses as determined by the English Department until the deficiency has been corrected.

The advanced level courses are in addition to any requirements established by individual departmental graduate committees.

CLASSIFICATION OF ADMISSION

In order to receive graduate credit for courses taken at the University, a student must have been admitted to graduate study. Application for Admission forms are available from the Admissions Office or the departments of Graduate Studies and Research. Application for Admission forms will be forwarded to the cognizant Graduate Program Committee for review and recommendation. All recommendations on 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 undergraduate work in his proposed graduate major and minor, and who presents at least fifteen semester hours of undergraduate work with a grade of B or better in each semester. Specific requirements of the departments in his major and minor. In addition to the specified transcript record, appropriate scores on the Graduate Record Examination, Miller Analogies Test, or the Graduate Management Admissions Test must be supplied to the Dean for Graduate Studies and Research.

II. Provisional

Provisional admission may be granted to a student who has a Bachelor's degree from a regionally accredited institution but who has not completed all of the requirements for admission to graduate study. This provisional status will continue until 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 Chairperson of the Graduate Program Committee of the major department (and minor if one is involved) and written approval by the Dean for Graduate Studies and Research. This admission is subject to the student being enrolled each semester and meeting the minimum requirements of the Graduate Record Examination or the Graduate Management Admission Test.

The student may be deemed capable of high quality graduate study. Provisional admission will not be removed until the student has satisfactorily demonstrated to the satisfaction of the department and the Dean his/her ability to pursue graduate study. Specifically, a student must earn at least the grade of B in each course involved in the first twelve hours of graduate study. A grade of C or below in any of these courses will result in automatic dismissal.

Applicants to graduate study who have been graduated from unaccredited colleges may be admitted provisionally. Unconditional status may be attained upon completion of twelve hours of graduate courses with at least a B average.

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 UNO.

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 or from the Office of the Dean for Graduate Studies and Research.

Entrance examinations are not required for the Unclassified Admission.

The MPA program does not admit students in the Unclassified category.

Students wishing to enroll under the Unclassified designation must obtain, each semester, the signature of an authorized advisor from each of the departments in which 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 take graduate-level coursework must file a Request for Change form with the Graduate Office. PLEASE NOTE: Successful completion of graduate courses as an Unclassified student does not obligate a graduate department to accept those courses for credit toward the fulfillment of degree requirements. A Graduate Record of Admission to a degree program is later sought and granted by the student. After receiving the degree at the discretion of the cognizant Graduate Program Committee, an approved Request for Change must be accompanied by a departmental recommendation if any specified credit hours earned while an Unclassified student are to be counted toward the degree.

An approved Request for Change will be issued to Unclassified students on the last day of any given registration period.

In addition to the three regular classifications of admission, there are two special classifications of admission to graduate study which can be used in exceptional cases:

I. Acceptance of Senior Credits

Seniors in an accredited institution who have obtained in advance the approval of the appropriate campus Dean for Graduate Studies and Research may receive up to twelve hours credit for courses taken at any campus of the University of Nebraska System in addition to the courses necessary to complete their bachelor's degree. This work, provided that such credits are earned within the twelve months prior to receipt of the baccalaureate. Seniors in this University needing not more than nine hours of undergraduate credit to complete the Bachelor's degree and wishing to register for graduate credit may be granted provisional admission to
graduate study subject to receiving their baccalaureates within the twelve-month period immediately following such registration. They must file application for admission to graduate study and, if admitted, will register for the required graduate study courses.

II. Temporary Admission

When unexpected circumstances preclude processing applications for Unconditional, Provisional, or Unclassified status, the Dean for Graduate Studies and Research may issue Temporary Admission. A student enrolling with temporary admission must, within the first eight weeks of the semester, furnish the Administration Office with all materials required by the cognizant department (including transcripts of all graduate-level courses taken prior to work, one of which must show an earned Bachelor's degree or the equivalent) or a statement from the Graduate Office of another institution indicating that the student is in good standing. In a case of a graduate-level degree program that requires the student to be admitted by such a date of admission, this student will be disenrolled from all graduate courses at the end of the eight-week period, and will not be permitted to attend classes beyond that date. Students seeking admission to a degree program must realize that even if all admission materials are presented, the Graduate Program Committee evaluating these materials may deny admission to the program. If this occurs, a determination will be made as to whether the student may continue graduate studies as an Unclassified student or be disenrolled from all graduate courses. Low undergraduate G.P.A. or undergraduate deficiencies may be sufficient cause for terminating enrollment. Temporary admission is not granted to M.A. applicants unless they have taken the GMAT.

GRADUATE PROGRAM COMMITTEES

Each department (or area) offering a graduate degree has a Graduate Program Committee of 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 for Graduate Studies and Research.

In its department the Graduate Program Committee has the responsibility for the planning of the graduate program, the general supervising of the candidates for graduate degrees, and the examining of students by means such as the qualifying examination and the final comprehensive examination when these examinations are not given by a student's thesis or field project supervisory committee. Each new graduate student, in conference with the chairperson of the Graduate Program Committee of the major department, shall select a major adviser. For the student who has a supervisor or advisor 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. The chairperson of the student's Graduate Program Committee shall select a major adviser for the student and the major adviser. At the master's level, committees of three members are usually sufficient. The chairperson should be a member of the Graduate Faculty and whenever feasible, the student's major adviser and the thesis director. The representative from a department other than the major must be a member of the Graduate Faculty. In addition to at least three voting members, faculty members in the university system may be appointed to serve ex officio (without vote) as consultants (or to gain experience in the responsibilities of the Graduate Program Committee) for a period of two years.

To assure accountability and maintenance of the standards of the Graduate Faculty, all graduate advising must be provided by Members and Fellows of the Graduate Faculty (with exceptions possible only for persons with a primary advisement role under the direct supervision of a Member or a Fellow).

REGISTRATION PROCEDURE

The student is to follow the usual procedure in registering for courses by filling out the proper class cards and other registration blanks and by paying fees at the Business Office. At each registration period the student must secure the signature of the major adviser (and of the Dean for Graduate Studies and Research if he/she is registering for more than twelve hours). Students must have been formally admitted to graduate study prior to their first registration.

ADMISSION TO CANDIDACY FOR GRADUATE DEGREE

Admission to graduate study does not admit the student to candidacy for any degree.

It is the student's responsibility to make application for candidacy for the degree as soon as qualified to do so. The application materials are: (1) the scores on the Graduate Record Examination Test, or the Graduate Management Admission Test must be on file in the Graduate Office; (2) a minimum of six (6) hours of graduate credit must have been completed within the Graduate College of the University.
It is the responsibility of the student to be familiar with the "Instructions for the Preparation of Theses," a copy of which may be obtained in the Graduate Office. The thesis must be approved by the student's thesis committee and submitted to the Graduate Office in final form with the signatures of the committee members on the approval sheets of all courses prior to the date of the thesis working day for the degree.

It is 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 the copies (see Fee) must be paid by the candidate at the time the thesis is submitted in final form to the Graduate Office. If the department conducting the thesis requires an additional copy, it is to be bound at the student's expense. The fees are payable in the Cashier's Office.

ORAL EXAMINATION ON THESIS

The committee of a candidate to approve his thesis proposal and to conduct the oral examination over the thesis and thesis field is recommended by the department and submitted to the Dean for Graduate Studies and Research for his approval and appointment. This committee shall consist of members from the major department and at least one graduate faculty member from another department of the University. If the thesis examination is to be combined with the oral comprehensive (noted above), one-half the time may be devoted to the thesis and one-half to the graduate courses taken by the candidate.

The oral examination is arranged by the department, and it is the student's responsibility to deposit the proper number of copies of the corrected and approved thesis in the Graduate Office together with the signed approval sheets at least twelve working days prior to the conferral of the degree.

The scheduling of oral examinations during the summer sessions will be contingent upon the availability of appropriate members of the Graduate Faculty.

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 grades of "C" in any one course in the degree program carrying a grade of "C." Notwithstanding a student's average, a grade of "C" in nine or more hours of graduate credit will result in automatic dismissal from any further graduate work in that specific degree program.

A grade of "D" or "F" for any course taken in the student's major field of study or in any course included in the Plan of Study is considered a failing grade and a student receiving such a grade will AUTOMATICALLY DROP FROM THE DEGREE PROGRAM. The student thus dropped must secure the approval of the COGNIZANT GRADUATE COMMITTEE OR ACADEMIC ADVISER as the student is required to get the proper number of copies of the corrected and approved thesis in the Graduate Office. The student may NOT BE A CANDIDATE FOR THE DEGREE UNLESS reinstalled by the Dean for Graduate Studies and Research.

The above quality of work standards also apply to unclassified students.

A student, upon consent of his advisor, may repeat a course in which he has previously received the grade of "C" or "F." Both grades will appear on the transcript but only the second attempt in determining the grade point average.

INC. — The grade "I" is to be used by an instructor at the end of a term to designate incomplete work in a course. It should be used when a student, due to extenuating circumstances such as illness, military service, death in the immediate family, is unable to complete the requirements of the course or in the term in which the student is registered for credit. Incompletes should be given only if the student has already substantially completed the major requirements of the course.

Each instructor must judge each situation. The instructor must also indicate by a departmental record, with a copy to the student, bow and by when the Incomplete is to be removed, if he/she is at the University at the time of the Incomplete, supervise the makeup work and report the performance to the Dean of Graduate Studies and Research.

In the event that the instructor is not available at the time of the student's application for removal of an Incomplete, the department chairman shall supervise the removal of the Incomplete and turn in the permanent grade for the student.

NOTE: Two more incompletes (excluding research projects and thesis) will result in a stop enrollment for any new or continuing student. If the Incomplete is an Incomplete of Incompletes, it must be completed within one semester (excluding summer sessions) after they have been awarded, or they will be turned into a grade of F. Any extensions to the one semester time frame must be arranged with the Dean for Graduate Studies and Research prior to the Incomplete being changed into a grade of F. Some departments allow extra time for removing Incompletes in certain courses. Contact the department involved to find out which courses come under this provision. Incompletes for research projects and theses may not extend beyond two years from the date the "I" was recorded unless approval is granted by the Dean for Graduate Studies and Research and the student records for the course.

All grades of "I" on courses which are part of the degree requirements must be removed at least twelve working days before conferral of the degree.

UNIVERSITY OF NEBRASKA AT OMAHA

CHANGE OF MAJORS

Students may not change majors while they have two or more "incompletes" on their record. The decision to accept students who wish to change majors will be left to the Graduate Program Committee in the department in which they are seeking admission.

POLICY ON CLASS ATTENDANCE

The policy: Classes are conducted on the premise that regular attendance is desirable and expected. The individual instructor has the responsibility for managing student attendance and for communicating at the beginning of each semester those class attendance policies which prevail in that classroom.

"If a student is absent or anticipates an absence, the student's primary responsibility is directly to the instructor, and the student should consult with them accordingly. The student's responsibility is nonetheless responsible for information and assignments communicated during that class session. If a student discovers that he or she is to be absent for an extended period, the student should promptly notify the instructor and be prepared to document the reason for extended absence. Instructors or other University officials who may require students, individually or collectively, to be absent from their classes due to a field trip or similar officially-recognized activity are responsible for providing adequate information to the students involved so that the students may provide notice to other instructors.

Appropiate procedure: "If there should be cause on the part of individuals involved to feel that the reasons for absence were not considered with equity, a decision with punitive consequences may be appealed. The initial appeal procedure is the same as that provided for in each departmental unit for other academic classroom-related items (e.g., grades, cheating, etc.), involving the student submitting the justification for the appeal in writing to the instructor, or in the department. If the initial appeal decision is unsatisfactory, the student may appeal to the student's advisor, the appeals process exists with the student submitting a written statement to the respective academic dean indicating the specific nature of the appeal to be considered and requesting the consideration of the appropriate college committee designed for hearing such grievances.

"The committee makes a recommendation to the respective college, 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 as an appeal function in hearing appeals of students who feel aggrieved on the basis of decisions rendered by the academic deans.

The University Committee on Academic Standards shall recommend appropriate action to the Provost and Vice Chancellor for Academic Affairs.

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

GENERAL APPEAL PROCEDURES FOR ACADEMIC MATTERS CONCERNING GRADUATE STUDENTS

1. 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 a doctoral supervisory committee) should appeal as follows:
      1. Initially, the appeal should be submitted to the student's advisor.
      2. If denied, the appeal may be submitted to the Department or Interdepartmental Area Committee. If denied, the appeal may be submitted to the Dean for Graduate Studies and Research.
      3. If denied, an appeal may be made to the Graduate Council for the campus administratively responsible for the student's graduate program. Normally, this will be the final 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 advisor.
      2. If denied, the appeal may be submitted to the student's supervisory committee.
      3. If denied, the appeal may be submitted to the Department or Interdepartmental Area Graduate Committee administratively responsible for the student's graduate program.
      4. If denied, an appeal may be made to the graduate council for the campus administratively responsible for the student's graduate program. Normally, this will be the final appeal body (for exceptions, see paragraph E).
      5. When a student's graduate program consists of registrations essentially or entirely on one campus, the Graduate Council of the campus administratively responsible for the program will constitute the appeal board. When a student's graduate program involves a distribution of registrations 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 for the program. In this case, the augmented council will constitute the appeal board. The decision concerning augmentation of a campus Graduate Council for a specific appeal involving registrations on a campus other than the one administratively responsible for the student's program will be made by the Deans for Graduate Studies on the campuses involved.

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

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

   a. That the campus Graduate Council has failed in its responsibility to give a fair hearing (example: has failed to allow the parties concerned to present their cases fully to their own satisfaction and to the satisfaction of the Graduate Faculty with syllabi on file in the Graduate Office).
   b. That the campus Graduate Council has failed to examine or give adequate weight to evidence relevant to the party's position;
   c. That the campus Graduate Council has given undue weight to evidence not pertinent to the case;
   d. That some gross miscarriage of justice would be perpetrated if the decision of the Campus Graduate Council is allowed to stand.

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

2. Appeals to Committee III of the Executive Graduate Council must be made in writing and must specifically outline the grounds for appeal. Such appeal must be made within 20 working days of the day of the decision of the campus council is received (working days shall not include those days the University is not in session).

3. Committee III of the Executive Graduate Council must make a decision to hear the appeal or not to hear the appeal within 30 working days after receipt of the appeal. Acceptance or denial of jurisdiction over the appeal will be in writing.

4. The decision of the Committee on the merits of the case will be made and transmitted to the concerned parties within 40 working days after the decision to hear the appeal.

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

II. Appeal of grades in graduate-level courses.

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

OMBUDSMAN OFFICE

The Ombudsman's job is to assist you when you have a grievance or a problem with offices or individuals in the University. Advice on how to solve a problem, referrals to persons or offices that have the expertise you may need, and action on your behalf by the Ombudsman, are just some of the services the Ombudsman offers. The Ombudsman's service is confidential and free. If you have questions about University procedures, or don't know where to turn when you are confronted with unusual problems, try the Ombudsman, Administration 217. A more detailed description of the Ombudsman is in the Undergraduate Catalog.

STUDY LOAD

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

Students carrying less than twelve hours may obtain a regular students activities card by paying the full-time fee of $43.00.

NOTE: Students enrolling for more than twelve hours must have the approval of the Dean for Graduate Studies and Research. The Director of the Graduate School of Social Work may approve loads to fifteen hours for social work majors.

DROPPING AND AUDITING COURSES

A student may not drop a course after the date stated in the Academic Calendar and the Class Schedule. Examinations 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 advisor, must register for the course to audit, and must secure the approval of the instructor of the course whose prerequisite 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.

Courses numbered 800V, 800U, and 900 are open to graduate students only. Some courses numbered 800U are open to both seniors and graduates; the same is true of a selected few 880J numbered courses. It is expected as a rule that graduate students enrolled in those courses numbered 800V-880J will do work of a higher level than undergraduates. Typically, such differentiation might include in-depth studies, field studies, individualized research, and special interest projects.

RESIDENCE REQUIREMENTS

A minimum of 30 semester credit hours in residence (16 in case of the Master of Science, Master of Public Administration, and the Master of Business Administration degrees), is required for granting of the Master's 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) may request the permission to transfer as many as six semester hours of credit on a thirty-hour program, or nine semester hours of credit on a thirty-six hour program provided the courses are pertinent to the student's program.

The total hours of transfer credit may not exceed the number stated except by petition submitted by the student to the Graduate Council either to decide whether the case should be heard or to decide the merits of the case.

Grades in courses for transfer of credit must be the equivalent of "B" or higher. A written request must be made for transfer of credits from an ungraded course elsewhere; the student must have the former instructor submit a evaluation to the Dean for Graduate Studies and Research for review and consideration. Transfer of credit for prior graduate work shall be made at the same time that the student applies for candidacy for the degree. All work accepted for transfer of credit must have been taken within the specified period allowed for the Master's degree.

In the Educational Specialist degree, six semester hours of work beyond the Master's level may count as transfer credit, upon recommendation by the major advisor and with the approval of the Dean for Graduate Studies.

Students who wish to take graduate courses at the University of Nebraska at Lincoln or at the Medical Center for transfer to UNO should secure the Interuniversity Registration form from the Graduate Office. There are no priority limits on the transfer and applicability of credits earned in one program of the Graduate College of the University of Nebraska toward meeting degree requirements in another such program. However such credits must be individually evaluated and approved by the appropriate Graduate Program Committee and the appropriate Graduate Dean before they may be transferred from one program to another. 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 or the campuses prior to submitting the withdrawal form to the Registrar's Office. Any refund of fees will be based on the University catalog, Graduate Catalog, class schedule and Student Handbook, and as posted in the Cashier's Office. Failure to withdraw according to this procedure may cause forfeiture of refunds and inappropriate posting of grades.

TIME LIMIT FOR GRADUATE DEGREES

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 course which appears on the last thirty-six semester hours of the student's Plan of Study is the beginning of the student's graduate education. Upon the recommendation of the department concerned, a graduate student may apply to the Graduate Council for permission to take a special examination, or the current semester final examination in courses for which graduate credit has been recorded and is obsolete. A report of the results of the examination, which shall be prepared, given, and graded by the department, shall be filed in the Graduate Office. Unless a grade of B or higher is obtained in the examination, the student shall be required to take additional work, the amount and nature of which will be determined by the major adviser and the Dean for Graduate Studies and Research. Time spent in the military service of the United States may be excused in the application of this rule.

All requirements for an Ed.S. degree, regardless of major, must be completed during a six-year period beginning with the date of entrance to the first course used in the plan of study following the completion of the Master's degree.

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, lines, penalties, parking, books, supplies, food, or special services not listed in this schedule.

Tuition and related fees are payable in full at the time of registration, or in accordance with delayed billing schedules. Students enrolling themselves of the delayed billing option must familiarize themselves with the due dates, as published. Note Failure to receive the mailed billing notice will not excuse the student from payment responsibility, nor the University from the assessment of such charges, or the student from payment of any such charges. The University reserves the right to require students to consult the Student Financial Aids Officer in the Eppley Building. Application for financial aid should be made at the earliest possible time.

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. Failure to pay tuition or fees when due, or to meet payments on loans when due, may result in cancellation of registration, legal collection efforts, and withholding of transcripts. Outstanding financial obligations from prior semesters must be paid 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 does not apply toward tuition or any other fee. Residency for the purpose of assessing tuition is determined by the status of the applicant at the time the application for admission is filed.

Resident of Nebraska.................................$10.00
Non-resident...........................................$25.00

Graduate Admission Fee (Graduate College):

Payable upon first-time enrollment in the Graduate College.........................................................$10.00

Tuition:
Per Semester Credit Hour
Resident of Nebraska (see residency status).............$32.25
Undergraduate Graduate
Non-resident..............................................$70.25
$36.50
Per Student Credit Hour through Off Campus Program$40.25
$42.50

Audit Fee:
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 available class space after credit registration ends. Students who register to take a course for credit and who later change to audit registration will be required to pay the full resident or non-resident tuition rate.

Laboratory Fees:
Students enrolling for laboratory course sections are advised that laboratory fees are charged for laboratory courses in:

Other laboratory fees may be charged at the University. Please refer to the semester class schedule to determine which of the above fees are related to specific courses.

Special Instructional Fees:
Applied Music Voice and all instruments. (Fee may be waived by the Head of the Music Department for any full-time students who are music majors or minors.)

One semester credit hour.............................................$17.00
Two semester credit hours.................................$34.00
Three semester credit hours..............................$53.00
Four semester credit hours.................................$71.00
Conference, non-credit, and off-campus course fees are determined for each offering based upon the cost factors and peculiar circumstances involved. Musical instruments are available from the University.

Music Instrument Usage Fee.......................................$15.00

University Program and Facilities Fee (UPFF(Graduate or Undergraduate))

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 each semester of which $3.50 of each of these fees is the designated fee for Campus Recreation.

The UPFF receipts are divided into two separate funds: Fund-A Student Fees and Fund-B Student Fees. Fund-A Student Fees are established and allocated by the elected Student Government subject to the approval of the Chancellor of the University of Nebraska at Omaha in accordance with Board of Regents policy. Fund-A Student Fees are refundable upon request in accordance with guidelines and procedures established and published by the Vice Chancellor for Educational and Student Services. Students requesting refunds of Fund-A Refund will no longer be entitled to the student activities supported by Fund-A Student Fees.

The Fund-B of the UPFF is designed for services, staff salaries, maintenance of facilities and related expenses. Fund-B Student Fees consist of support of academic fee, a general education fee, and a fee for student union. This portion is budgeted separately with emphasis upon continuing support. The Vice Chancellor for Educational and Student Services submits the projections to the Chancellor, who in turn submits the projections to the Board and the President of Regens for final approval.

The full-time fee of $43.00 also entitles the student to a regular student activities card covering athletics, publications and general student activities. Part-time students may obtain a regular student activities card by paying the full-time fee of $43.00.

Special Service Fees:

Transcripts of Academic Record - First Copy.................................$3.00
Additional copies - Same order.............................................$1.00
Thesis Binding - per copy..................................................$5.00
Change of Program Fee (per each class changed)..........................$4.00
Cap and Gown Rental (to be arranged through the bookstore)..................$3.00
Graduation Fee.....................................................$3.00
Degree in Absentia (payable in addition to graduation fee).................$2.00
Returned Check - per check...............................................$2.00
Distilled checks given in payment for tuition and fees must be redeemed in cash prior to the date for late registration, otherwise the late registration fee will be assessed in addition to the return check.

Teacher Placement Fees:
Registration and Credential Fee
New Registrants.........................................................$38.00
Fee covers establishment of permanent placement file, 10 sets of credentials, and the weekly Vacancy Bulletin may be obtained in the Office.

Alumni Re-registrants......................................................$45.00

Updated placement credentials information, addition of new recommendations, 10 sets of credentials, and the Vacancy Bulletin if picked up in the Office.

Optional Services:
Vacancy Bulletin Mailng Fee
3rd class mailing..........................................................$16.00
1st class mailing..........................................................$36.00

Bulletin may be mailed to your home address. Bulletin is published bi-weekly from October to
## Refundable Tuition Charges

<table>
<thead>
<tr>
<th>Type of Registration</th>
<th>Percentage Refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late registration</td>
<td>100%</td>
</tr>
<tr>
<td>Late payment</td>
<td>100%</td>
</tr>
<tr>
<td>Reinstatement</td>
<td>100%</td>
</tr>
<tr>
<td>Replacement of ID</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Late Fees and Penalties

<table>
<thead>
<tr>
<th>Late Fees and Penalties</th>
<th>Amount (in USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late registration</td>
<td>$2.50</td>
</tr>
<tr>
<td>Late payment</td>
<td>$10.00</td>
</tr>
<tr>
<td>Reinstatement</td>
<td>$10.00</td>
</tr>
<tr>
<td>Replacement of ID</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

### Deposits

<table>
<thead>
<tr>
<th>Deposits</th>
<th>Amount (in USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refundable</td>
<td>$5.00</td>
</tr>
<tr>
<td>ROTC Uniform Deposit</td>
<td>$5.00</td>
</tr>
<tr>
<td>Locker and Towel Deposit</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

### Testing Fees

<table>
<thead>
<tr>
<th>Test Types</th>
<th>Amount (in USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT Assessment (ACT)</td>
<td>$9.50</td>
</tr>
<tr>
<td>ACT Assessment (ACT), Residual</td>
<td>$12.00</td>
</tr>
<tr>
<td>Credit by Examination – College-Level</td>
<td>$25.00*</td>
</tr>
<tr>
<td>Correspondence Tests</td>
<td>$3.00</td>
</tr>
<tr>
<td>General Educational Development (GED)</td>
<td>$10.00</td>
</tr>
<tr>
<td>Graduate Management Admission Test (GMAT)</td>
<td>$27.00</td>
</tr>
<tr>
<td>Graduate Record Examination (GRE)</td>
<td>$24.00</td>
</tr>
<tr>
<td>Law School Admission Test (LSAT)</td>
<td>$24.00</td>
</tr>
<tr>
<td>Miller Analogic Test (MAT)</td>
<td>$32.00</td>
</tr>
<tr>
<td>TOEFL</td>
<td>$23.00</td>
</tr>
<tr>
<td>Test of English As A Foreign Language (TOEFL)</td>
<td>$24.00</td>
</tr>
<tr>
<td>English Diagnostic Test Fee</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

### Registration Card

- A Foreign Language (TOEFL) $19.00
- ACT Assessment (ACT) $9.50
- ACT Assessment (ACT), Residual $12.00
- Credit by Examination – College-Level $25.00*
- Correspondence Tests $3.00
- General Educational Development (GED) $10.00
- Graduate Management Admission Test (GMAT) $27.00
- Graduate Record Examination (GRE) $24.00
- Law School Admission Test (LSAT) $24.00
- Miller Analogic Test (MAT) $32.00
- TOEFL $23.00
- Test of English As A Foreign Language (TOEFL) $24.00
- English Diagnostic Test Fee $3.00
- Mathematics Diagnostic Test Fee $2.00

### Refund Schedule

<table>
<thead>
<tr>
<th>Drop &amp; Withdrawal Period</th>
<th>Refundable Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>First week of classes</td>
<td>100%</td>
</tr>
<tr>
<td>Second week of classes</td>
<td>100%</td>
</tr>
<tr>
<td>Third week of classes</td>
<td>100%</td>
</tr>
<tr>
<td>Fourth week of classes</td>
<td>50%</td>
</tr>
<tr>
<td>Fifth week of classes</td>
<td>0%</td>
</tr>
<tr>
<td>Summer Sessions (5 and 6 Week)</td>
<td>0%</td>
</tr>
<tr>
<td>Second week of classes</td>
<td>50%</td>
</tr>
<tr>
<td>Third week of classes</td>
<td>25%</td>
</tr>
</tbody>
</table>

### Period of Drop/Withdrawal

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

### Summer Sessions (5 and 6 Week)

<table>
<thead>
<tr>
<th>Period of Drop/Withdrawal</th>
<th>Percent Refunded</th>
<th>Percent Charrageable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before first official day of semester</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>First three days of classes</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>Summer Evening and Special Contract (7 and 8 Week)</td>
<td>100%</td>
<td>0%</td>
</tr>
</tbody>
</table>

### Summer Sessions (5 and 6 Week)

<table>
<thead>
<tr>
<th>Percent Refunded</th>
<th>Percent Chargable</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>0%</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Drop &amp; Withdrawal Period</th>
<th>Refundable Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before first week of classes</td>
<td>100%</td>
</tr>
<tr>
<td>First week of classes</td>
<td>50%</td>
</tr>
<tr>
<td>Second week of classes</td>
<td>25%</td>
</tr>
<tr>
<td>Third week of classes</td>
<td>0%</td>
</tr>
<tr>
<td>Fourth week of classes</td>
<td>50%</td>
</tr>
<tr>
<td>Fifth week of classes</td>
<td>0%</td>
</tr>
</tbody>
</table>

### 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 who believes he can qualify as a resident should contact the Registrar's Office.

## Student Development Services

### Career Development Center

The Career Development Center assists students, faculty, and staff in exploring career alternatives and making career decisions.

By exploring the many career alternatives in terms of one's interests, values, needs, abilities and aspirations, individuals will be able to develop career goals consistent with their particular lifestyle. To explore and clarify that personal and unique potential, one may become involved in individual counseling, workshops, testing and test interpretation. A comprehensive Career Information Library is available to assist individuals in groups in exploring the world of work, with up-to-date information on employment trends, occupational responsibilities and working conditions, as well as required training and qualifications for hundreds of different career fields.

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

The Career Development Center is located in the East Wing of the Eppley Building, Room 115, Phone 544-2409.

Stop by and explore the Career Development Center in the East Wing of the Eppley Building.

### Placement Services

Placement Services assists graduating seniors and alumni from all Colleges of the University in their search for career employment.

Employment Counselors aid in assessing student career goals and related employment opportunities.

Literature on local and national employers, career fields, job descriptions, salary surveys, employment trends and job-search techniques are also available.

All first semester seniors who are completing degrees are encouraged to register with Placement Services by completing an enrollment form, including a resume and the College Interview Form. The College Placement Annual, available to registrants for a small fee, is a valuable directory of organizations who recruit college graduates.

Teacher credentials are prepared and permanently maintained for candidates completing requirements for certification. A complete listing of local and regional teacher vacancies is available to all teacher candidates.

Placement Services offers two basic programs:

- **Campus Recruiting** Each semester local and national employers seeking December, May, and August graduates visit the campus to conduct interviews with candidates registered with the office. Interviewing facilities are provided.

- **Candidate Referral** Throughout the year, local and regional employers contact our office seeking potential employees. Career Placement refers qualified candidates directly to these employers and assists in arranging candidate interviews.

Placement Services sponsors programs covering numerous career employment topics. Programs include groups, seminars or individual sessions. Job-Readiness Workshops are offered each semester to help students develop interviewing skills and job-search materials, i.e., letters of application, resumes, and other items.

An effort is made to obtain positions for all registered candidates; however, employment cannot be guaranteed.
Credit by Examination allows students the opportunity to gain academic credit for knowledge they have acquired by self-study or experience. Up to 30 hours of credit towards a bachelor's degree may be earned by achieving acceptable scores on examinations.

Two types of credit by examination are available at UNO: The College-Level Examination Program (CLEP) which offers tests in many subject areas; and UNO's Special Examination Program which challenges any course taught at the University by taking a departmental examination. (Students must be registered to attempt departmental exams.)

Credit earned by examination may not be deemed equivalent to credit earned by relocating them, if feasible, or a reasonable fee (see fee schedule in this catalog) will be charged to administer and/or evaluate an examination for credit or placement, and 50 per cent of resident tuition will be charged for credit earned by examination for credit or placement, and 50 per cent of resident tuition will be charged for credit earned by examination.-CR-

Examinations for Admission to Graduate or Professional Schools. The Testing 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, and Test of English as a Foreign Language.

Information and applications are available at the Testing Center, room 113, Eppley Building, 554-2409.

The Counseling Center is 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 554-1800 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 in the university experience. Membership dues are $3.00 annually. For information contact Student Development Services.

Student Employment Services

UNO offers students a variety of part-time summer and campus work opportunities. Part-time employment should visit Student Employment Services in the Eppley Building, Room 111.

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 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 113 in the Milo Bari Student Center and on first floor of the Eppley Administration Building. Room 111.

Student Employment Services is located in Room 111 of the Eppley Building.

Student Employment Services 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 comfortable environment for the handicapped student.

In compliance with the Rehabilitation Act of 1973 (Section 504) a handicapped student who is enrolled in a program or activity receiving federal funds is entitled to a "reasonable accommodation" in such program or activity. This accommodation may include making accessible programs, activities, or services available to handicapped persons by relocating them, if feasible, or by other appropriate means. The 504 coordinator at UNO is Dr. Richard E. Hauser, Vice Chancellor, Educational and Student Services, Room 211, Eppley Administration Building, 554-2279.

Leadership Development

The Learning Resource Center is located in the Eppley Administration Building.

Minority Affairs

Minority Student Services is a program unit which is a referral agent for persons seeking information and services at UNO and agencies located in the metropolitan area. The office disseminates information necessary in the coordination of activities involved with the racial/ethnic student population as well as those special interest groups organized on campus to serve them. Minority Student Services is instrumental in providing cultural and academic programming for minority students at UNO. The service is located in Room 117, Eppley Administration Building, 554-2248.

Student Health Services

The Student Health Service, located in the Milo Bail Student Center, is available to all students, and provides free first aid treatment for minor illnesses and emergency accidents with referral when necessary.
necessary. Preventive health measures are a primary concern and include blood pressure checks, vision and hearing tests, throat cultures for possible Strep infection, a Tuberculin skin testing program, plus scheduled screening programs on selected topical interests.

Student Health Services is open Monday through Thursday from 8 a.m. to 7 p.m. and Friday from 8 a.m. to 5 p.m. A physician assistant is available to students for free consultation, diagnosis, treatment, and follow-up care Monday through Thursday from 9 a.m. to 5 p.m.

Application must be made through the Health Service for both temporary and permanent handicapped

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

Women’s Services
This program provides counseling services to women students at UNO as well as current information and referrals concerning women’s issues and problems. The coordination of programs and services, which focus on the educational, social, and professional needs of women, is a function of this special program.

Title IX of the Education Amendments of 1972 (a federal law) prohibits discrimination in educational programs and activities. If there are issues pertaining to Title IX, contact the UNO Title IX coordinator, Dr. Richard E. Hoover, Vice Chancellor, Educational and Student Services Room 257, Eppley Administration Building, 554-2779.

FINANCIAL AID FOR GRADUATE STUDENTS

GRADUATE ASSISTANTSHIPS

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

POLICY GOVERNING GRADUATE ASSISTANTSHIPS

I. 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 Assistantships must be students in good standing in a degree program in the Graduate College. Dismissal from a graduate program for any reason shall result in simultaneous dismissal from any Graduate Assistantship position. The student will not be eligible for an Assistantship thereafter until fully reinstated in a graduate degree program.

II. Recruitment and Selection of Graduate Assistants
Each Graduate Department or other departmental unit as appropriate which awards Graduate Assistantships shall establish its own procedures for recruitment and selection in accordance with University policy on affirmative action/equal opportunity.

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 coursework below) and, therefore, is expected to devote their time to full professional activities which may interfere with satisfactory performance of assigned duties.

IV. Coursework
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) Preparing materials for laboratories or classroom presentations.
(6) In general, other duties which involve a 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, the conditions of employment, and 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 Coordinator upon the recommendation of the graduate assistant’s field chairperson, shall have the responsibility to review the assistant’s performance and to terminate the appointment to discontinue satisfactory duties specified in the agreement.

VI. Appointment
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 new assistantship is a part of a federal law which requires a statement of justification for approval of the cognizant College Dean and the Dean for Graduate Studies and Research prior to being sent to the Vice Chancellor for Academic Affairs. This statement should contain: (1) qualifications necessary for the position; (2) number of qualified applicants; (3) duties; (4) relevance of the duties to the graduate student’s training; and (5) justification for the assistantship (as opposed to other job offers).

VIII. Deletion 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 recommended proposals must be submitted to the Dean for Graduate Studies and Research for review and recommendation for submission 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.

IX. Distribution of Graduate Assistantships
Graduate Assistantships entitle the holder to a waiver of tuition costs up to 12 hours of graduate credit per semester. Applications and their supporting credentials should be received on or 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 only 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 States Universities Association along with Iowa State University, Kansas State University, University of Kansas, University of Oklahoma, and the University of Missouri. Under the traveling scholar program, 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. Applications and their supporting credentials should be received on or before March 1. Address requests for information and application forms to the Chairperson of the Department in which the assistantship is desired.

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 admission requirements, tuition and fees, scholarships, fellowships, and assistantships and other benefits normally available to Nebraska residents.

27
SCHOLARSHIPS

Phi Delta Gamma, a national fraternity for women, offers two annual scholarships of $300 each, to women graduate students who have completed at least one half of their graduate work with an excellent record. The Mary-Ellen Patterson-Phi Delta Gamma Scholarship and the Nelle Boyer-Phi Delta Gamma Scholarship.

Applications and details concerning these scholarships may be obtained from the Dean for Graduate Studies and Research, Room 204, Eppley Building. Applications should be in the Graduate Office by March 1 of each year.

LOANS

Graduate Students are eligible to apply for National Direct Student Loans (NDSL), which are based upon financial need. Qualified women graduate students are eligible for a Phi Delta Gamma loan on a 219, Eppley Building.

ORGANIZATIONS

Omicron Delta Epsilon is a national honorary society for students in Business Administration. Membership is by invitation.

Beta Gamma Sigma is a national honorary society for students in Business Administration. Membership is by invitation.

Omicron Delta Epsilon is a national honorary association for graduate students in Psychology. Membership is by invitation.

ADMINISTRATION FOR GRADUATE STUDIES

GRADUATE FACULTY

The Graduate Faculty prescribes the qualifications of all professors who offer graduate work and approves all requirements 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.

GRADUATE FACULTY MEMBERS

Responsibilities

Graduate Faculty Members may teach graduate courses, supervise students enrolled in subdoctoral programs, and serve on supervisory committees. Information about graduate programs, including qualifications of graduate faculty members, is available in the Graduate Office.

CRITERIA

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

1. The nominee must hold the rank of Assistant Professor or above.
2. The nominee must have published research and scholarly work of quality, or have demonstrated comparable, creative achievement.
   a. In disciplines where publication is the normal outlet for scholarly work or research, the nominee must provide evidence of the nominee’s significant, refereed publications appearing in the form of recognized scholarly publishing houses or journals. Publication must have resulted from a judgment of quality by an editorial board.
   b. Publication based on the nominee’s terminal degree alone is not sufficient, although publication of the dissertation or part of it is significant if the nominator indicates in the manner in which the published version represents a substantial amount of scholarly work in addition to that required for dissertation.
   c. In disciplines such as art, architecture, theatre, or music where publication is not the normal or singular end product, the nominee must provide evidence of creative work accomplished by the nominee. This creative work must bear evidence of acceptance by peers within the discipline.
3. The nominee must indicate current involvement of the nominees in research and/or creative work.
4. The nominee must provide supporting evidence for the nominees such as published textbooks related to graduate education, published instructional materials, published professional reports, or evidence of funded research and development projects.
5. The nominee must provide evidence of the nominee’s teaching effectiveness in working with graduate students. This evidence may consist of peer and student evaluations or reports of student achievement subsequent to the receipt of advanced degree.

GRADUATE COUNCIL

The Graduate Council of the Graduate Faculty at UNO is composed of elected faculty members and their Graduate Fellows. The Council considers graduate policies, procedures, and proposed academic offerings. Information about the structure of the Council, functions of the committees, and names of the Graduate Faculty Members who are currently serving on the Council is available in the Graduate Office.

UNIVERSITY RESEARCH COMMITTEE

This is an advisory committee to the Dean for Graduate Studies and Research.

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, (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 area of responsibility and concern.

EXTRAMURAL GRANTS

Through the Dean for Graduate Studies and Research, the Office of Grants Development provides advice and assistance to faculty and staff in the following areas: solicitation of extramural grants and contracts, preparation of research proposals; preparation of grant budgets; preparation of grant financial reports; extramural grants development and implementation of workshops, seminars, and classes on grants development. The Director of Grants Development reports directly to the Dean for Graduate Studies and Research.

POLICY ON PLAGIARISM

The prevention of, and the imposition of sanctions upon those who resort to plagiarism is particularly reprehensible in a community dedicated to the pursuit and advancement of knowledge.
Plagiarism by Faculty

The investigation of allegations of plagiarism by a faculty member at any major administrative unit 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 breach in ethical conduct shall be subject to disciplinary action, regardless of the student's prior or current academic performance.
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.

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 work in biology to include credit in thesis (a maximum of 6 hours), 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 committee. 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 3 semesters of Biology 801V, 1 semester of Biology 802V, and other appropriate courses to be determined by the student and his/her faculty committee. 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 social, economic, legal and political factors which influence business decisions and develop 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:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>BA 1181 or Macroeconomics at the undergraduate level</td>
</tr>
<tr>
<td>Accounting</td>
<td>BA 111H or 1 year of Principles of Accounting at the undergraduate level</td>
</tr>
<tr>
<td>Computers in Business</td>
<td>DS 231</td>
</tr>
</tbody>
</table>
### DEGREE REQUIREMENTS

#### One of the following courses:
- **BA 803V** Business Information Systems 3 hours
- **BA 805V** Independent Research (in Accounting) 3 hours
- **BA 809M** Financial Auditing 3 hours

#### Option #6 — Economics

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Econ 813M Public Utility Economics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 823M Energy Economics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 833M Transportation Economics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 843M Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 850V Theory of Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>Econ 860V Economic Security</td>
<td>3</td>
</tr>
<tr>
<td>Econ 861V Seminar in Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 880V Seminar in Micro Theory</td>
<td>3</td>
</tr>
<tr>
<td>Econ 882V Seminar in Macro Theory</td>
<td>3</td>
</tr>
<tr>
<td>Econ 889V Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>Econ 890V Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 898V Seminar in Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>Econ 895V Seminar in International Economics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 895V Seminar in Urban Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Option #7 — Management

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

#### One of the following courses:
- **BA 830V** Business Information Systems 3 hours
- **BA 850V** Business Conditions Analysis 3 hours
- **BA 850Y** Marketing Policies 3 hours

#### Option #8 — Banking and Finance

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 830V Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>Plus 8 hours from the following:</td>
<td></td>
</tr>
<tr>
<td>BA 832M Security Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 842V Seminar in Investment Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 855V Seminar in Finance</td>
<td>3</td>
</tr>
<tr>
<td>Econ 849V Seminar in Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>Econ 852V Banking and Financial Markets</td>
<td>3</td>
</tr>
<tr>
<td>Econ 859V Structure, Function and Policy</td>
<td>3</td>
</tr>
<tr>
<td>BA 890V Independent Research (in Finance)</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Option #9 — Industrial Psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 932V Financial Administration</td>
<td>3</td>
</tr>
<tr>
<td>Psych 852V Psychological Aspects of Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 901 Seminar in Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Option #10 — Pass one of the following four courses:
- **Psych 813M** Research Design 1 hour
- **Psych 814V** Nonparametric Statistics 1 hour
- **Psych 911** Factor Analysis 3 hours
- **Psych 911** Procedural Analysis: Multiple Regression and Analysis 3 hours

#### Option #11 — Individually Designed Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student under the guidance of the Director of Graduate Studies in Business and Economics and the approval of the Graduate Faculty of the College of Business Administration may develop an option of 12 hours of study.</td>
<td></td>
</tr>
</tbody>
</table>

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.
Quantitative Methods and Statistics  BA 817V or an equivalent course in each at the undergraduate level

Provisions/Operations Management  MOB 350
Business Law  L&S 322
Corporation Finance  BF 325
Management Principles  MOB 349
Marketing  MKT 331

These foundation courses cannot be used to meet the 36 semester hours required for the MBA degree. Courses successfully completed (A, B, or C grades) in the student's undergraduate program are considered as sufficient preparation. Otherwise, the student must include the course deficiencies in the program of study.

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

It is recommended that students complete the foundation courses before enrolling in either core courses, option courses, or electives.

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

Core Courses
- BA 800V Quantitative Analysis 3 hours
- BA 801V Business and Society 3 hours
- BA 802V Managerial Economics 3 hours
- BA 803V Human Behavior in Organizations 3 hours
- BA 804V Policy, Planning, and Sociology 3 hours

Option Courses

Option #1 — Business Administration
- BA 832V Environment of Management 3 hours
- BA 840V Marketing Policies 3 hours
- BA 850V Financial Management 3 hours
- BA 851V Seminar in Marketing 3 hours

One of the following courses:
- BA 820V Research Methods in Economics and Business 3 hours
- BA 822V Business Conditions Analysis 3 hours

Option #2 — Marketing
- BA 840V Marketing Policies 3 hours
- BA 841V Promotional Policies 3 hours
- BA 842V Seminar in Marketing 3 hours

Option #3 — Decision Sciences
- BA 807V "Methods in Economics and Business" 3 hours
- BA 808V Business Information Systems 3 hours
- BA 809V Applied Quantitative Analysis 3 hours

One of the following courses:
- BA 823V Business Forecasting 3 hours
- BA 824V Business Econometrics 3 hours
- BA 825V Independent Research (in Decision Sciences) 3 hours

Option #4 — Real Estate
- BA 860V Real Estate and Land Use 3 hours

One of the following courses:
- BA 861V "Current Problems in Real Estate and Land Use" 3 hours
- BA 862V "Land Use Economics" 3 hours

Option #5 — Accounting
- BA 820V "Accounting" (may be taken as a core course) 3 hours
- BA 821V Cost Accounting (if not taken as a core course) 3 hours
- BA 822V Seminar in Accounting (if not taken as a core course) 3 hours
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 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 campus.

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 Master's degree candidates. The committee may prescribe such tests as it deems necessary in order to determine whether an applicant is prepared for graduate study. After all applicants' 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

Examinations

Graduate Work. Graduate work in Civil Engineering is governed by the general requirements of the Graduate College. Selection of the options 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, water resources, transportation, infrastructure, geotechnical, environmental, and water resources engineering and management. A minor may be designated from any one of the related Engineering Departments, or from other ag-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 15 undergraduate semester hours of appropriate courses in communication arts and sciences, including advanced (upper division) work in the area of graduate concentration (see below). Additionally, students must have more than 9 semester hours of deficiencies will be advised to remove them before reapplying for any type of admission.

All students who major in Communication are required to complete the 12 semester hours of core courses prescribed by the Graduate Committee. These core courses provide a basic, intensive and broad foundation of communication as a field of advanced study, including foundation courses in the following areas: communication theory, interpersonal communication, public speaking, mass communication, and research methodology. The total number of semester hours required is dependent upon the student's field(s) of interest. However, in no case may the number of semester hours be less than 25-27 hours.

Students are admitted to the Counseling and Guidance Program on the basis of their potential for successful training and professional practice. Such students must have a strong academic record in undergraduate studies, be in the upper 50% of their class, hold current teaching certificates for at least one year, and have at least one year of supervised teaching experience. In addition, guidance majors and minors must have completed two counseling practicums and have an overall GPA of 3.0.

COUNSELING AND SPECIAL EDUCATION

II. Selected Cognate Courses

Counselling and Guidance Courses

Twelve of the 25-27 hours completed in Special Education and Counseling can also be applied toward the requirement for the M.S. degree in Counseling and Guidance. The remaining 13-15 hours must be completed in the student's field of specialization.

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

Master of Science

Specialization in Agency Counseling

I. Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FED 801V, Introduction to Research</td>
<td>3 hours</td>
</tr>
<tr>
<td>FED 802V, Introduction to Research</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

II. Selected Cognate Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 820V, Community Internship</td>
<td>10 hours</td>
</tr>
<tr>
<td>COUN 823V, Counseling Practicum</td>
<td>10 hours</td>
</tr>
<tr>
<td>COUN 824V, Counseling Principles</td>
<td>2 hours</td>
</tr>
<tr>
<td>COUN 825V, Counseling Practicum</td>
<td>10 hours</td>
</tr>
<tr>
<td>COUN 827V, Group Techniques</td>
<td>2 hours</td>
</tr>
<tr>
<td>COUN 829V, Community Internship for Urban Counselors</td>
<td>2 hours</td>
</tr>
</tbody>
</table>

II. Selected additional courses in the department

Specialization in School Counseling — Secondary Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FED 801V, Introduction to Research</td>
<td>3 hours</td>
</tr>
<tr>
<td>Selected Cognate Courses</td>
<td>6-9 hours</td>
</tr>
</tbody>
</table>

These courses are most often selected from offerings of the Psychology, Sociology, Secondary Education and Special Education departments.

Counselling and Guidance Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 823M, Vocational Decision Making</td>
<td>25-27 hours</td>
</tr>
</tbody>
</table>
I.

II.

III.

Special Education Programs

Graduate Requirements — STUDENT TEACHING

Students seeking SPED 872V, SPED 873V, and/or SPED 850V, SPED 851V, SPED 852V, must submit a completed application form for Student Teaching Practicum signed by their advisor before March 15 for a fall 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 during the same semester.

Funding certificate required for institutional endorsement in service secondary or elementary school counselors in Nebraska or Iowa.

DEGREE REQUIREMENTS

Master of Arts: Speech Pathology

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

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

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

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

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

   - SPED 140, Introduction to Communication Disorders
   - SPED 431, Speech Reading and Auditory Training
   - SPED 437, Hearing Disorders
   - SPED 438, Speech Science I: Speech Mechanisms
   - SPED 439, Hearing Science
   - SPED 442, Language Development in Children
   - SPED 443, Articulation Disorders
   - SPED 444, Rhythm and Symbolization
   - SPED 445, Speech Science II: Experimental and Applied Phonetics
   - SPED 450, Communication Disorders in the Elementary and Secondary Schools
   - SPED 451, Basic Clinical Practicum in Speech Pathology
   - SPED 475, Language Disorders in Childhood
   - PSY 213, Statistics

5. For those students who wish to work toward special state certification in the schools, advisor consultation should be sought early since additional coursework is required (this does not apply to those already holding state certificates in elementary or secondary teaching or a special services certificate in another field.)

6. Twenty-four semester hours of course work and practicum. These hours may be taken from the following:

   I. Required Courses:
   - FED 801V Introduction to Research
   - SPED 851V Advanced Clinical Practicum in Speech Pathology (school)
   - SPED 852V Advanced Clinical Practicum in Speech Pathology (externship)
   - SPED 846V Diagnostic Methods in Communication Disorders
   - SPED 848V Advanced Audiology
   - SPED 853V, Seminar in Speech Pathology
   - SPED 870V Seminar in Special Education
   - SPED 899, Thesis (6 hrs.)

   II. Elective Courses:
   - Students may choose any of the courses in the area numbered 800V or above, contingent upon advisor approval.

7. Thesis:

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

Master of Arts: Mental Retardation

The Master of Arts degree with a major in mental retardation is a program primarily designed for persons who have or have had retardation in special education. It involves a concentrated course of study designed to improve and advance competencies in the area of mental retardation and to provide investigative approaches to problems associated with children who are mentally retarded. Requirements include:

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 to the M.A. degree program with a major in Mental Retardation must be approved by the Dean for Graduate Studies and Research and the major advisor.

   UNIVERSITY OF NEBRASKA AT OMAHA

COUN 840V, Principles of Guidance
COUN 842V, Introduction to Counseling Theories
COUN 843V, Organization and Administration of Guidance Services
COUN 845V, Appraisal Techniques in Counseling and Guidance
COUN 844V, Counseling Practices
COUN 845V, Counseling Practice
COUN 847V, Group Techniques
COUN 849V, Advanced Counseling Practicum
Selected additional courses in the department.
3. Applicants should hold a teaching certificate in special education or be within 15 credit hours of certification.

4. Students may undergo course work which will lead to:
   a. a major of 24 hours in mental retardation.
   b. a thesis not to exceed six semester hours.
   c. a minor of 15 semester hours in a related field of interest.
   d. a minor of nine semester hours in a related field of interest.

5. To be admitted as a candidate for the M.A. degree in Mental Retardation the student must have successfully completed twelve hours of course work including 801V.

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 advisor.

7. Subject to review of the applicants transcripts and related experiences with retarded children, required courses may be selected from the following:

   a. **Required Courses:**
      - FED 801V Introduction to Research
      - SPED 870V Seminar in Special Education
      - SPED 899 Practicum in Special Education
      - SPED 899 Thesis
   
   b. **Elective courses** may be chosen from any of the 800 level courses within the major and minor area of study.

---

### Master of Science: Speech Pathology

The Master of Science degree with a major in speech pathology involves the 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 entry into the program unless the student is hearing impaired or a non-native English speaker/user.

2. **Required Courses:**
   - Introduction to Research
   - Diagnostic Methods in Communication Disorders
   - Oral Language Development
   - Speech Science I: Auditory and Speech Mechanism
   - Speech Science II: Experimental and Applied Phonetics
   - Communication Disorders in the Elementary and Secondary Schools
   - Basic Clinical Practices in Speech Pathology
   - Childhood Language Disorders
   - Introduction to Research

3. **Elective Courses in Communicative Disorders:**
   - Seminar in Speech Pathology
   - Language Development of Hearing Impaired Children
   - Teaching of Language to the Hearing Impaired
   - Introduction to Research

4. **Pass a written comprehensive examination,** administered under the direction of the Departmental Graduate Committee.

---

### 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 Education of the Deaf. Students who plan to enter this program must show evidence of holding a valid certificate in one of the following areas:

- Elementary Education
- Middle School Education
- Secondary Education
- K-12 special content area

A Nebraska pre-standard certification and 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. **Required Courses:**
   - Introduction to Research
   - Diagnostic Methods in Communication Disorders
   - Oral Language Development
   - Speech Science I: Auditory and Speech Mechanism
   - Speech Science II: Experimental and Applied Phonetics
   - Communication Disorders in the Elementary and Secondary Schools
   - Basic Clinical Practices in Speech Pathology
   - Childhood Language Disorders
   - Introduction to Research

3. **Elective Courses in Related Area:**
   - Seminar in Speech Pathology
   - Language Development of Hearing Impaired Children
   - Teaching of Language to the Hearing Impaired
   - Introduction to Research

4. **Pass a written comprehensive examination,** administered under the direction of the Departmental Graduate Committee.

---

### 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 entry into the program.

2. **Students must hold a valid teaching certificate.** Those not holding teaching certificates will be subject to a review of the applicant's transcript and his/her related experiences in teaching children.

3. **Applicants must hold a valid teaching certificate.** Those not holding teaching certificates will be required to take preparatory courses in teacher education (the number of courses to be taken will be subject to a review of the applicant's transcripts and his/her related experiences in teaching children).

4. **Each candidate, having successfully completed thirty hours of course work and practicum, and for their last six hours, will be required to pass a final written and oral examination.**

5. **Thirty-six hours of course work and practicum may be taken from the following required and elective courses:**
   - Introduction to Research
   - Diagnostic Methods in Communication Disorders
   - Oral Language Development
   - Speech Science I: Auditory and Speech Mechanism
   - Speech Science II: Experimental and Applied Phonetics
   - Communication Disorders in the Elementary and Secondary Schools
   - Basic Clinical Practices in Speech Pathology
   - Childhood Language Disorders
   - Introduction to Research

---

### Degree Requirements

- **SPED 852V, Advanced Practicum in Speech Pathology (Externship)**
- **SPED 853V, Seminar in Speech Pathology**
- **SPED 870V, Seminar in Special Education**

---

**II. Elective Courses in Communicative Disorders:**

Students may choose any of the courses in the area numbered 800 or above.

---

**III. Elective Courses in Related Area:**

Depending upon the student's preparatory work, courses may be taken in fields such as psychology, sociology, speech, English, Special Education and other related areas, subject to advisor approval.

---

**IV. Pass a written comprehensive examination,** administered under the direction of the Departmental Graduate Committee.

---

**Master of Science: Teaching the Hearing Impaired**

- **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.

---

**SPED 820M, History, Education and Guidance in Hearing Impairment**

**SPED 822M, Teaching Speech to the Hearing Impaired**

**SPED 823M, Language Development of Hearing Impaired Children**

**SPED 824M, Teaching of Language to the Hearing Impaired**

**SPED 825M, Basic Audiology**

**SPED 826M, Speech Science I: Auditory and Speech Mechanism**

**SPED 827M, Hearing Science**

**SPED 828M, Basic Student Teaching**

**SPED 829V, Basic Student Teaching**

**SPED 830M, Special Projects**

**SPED 840V, Introduction to Research**

**SPED 841V, Seminar in Special Education**

**SPED 843V, Basic Student Teaching**

---

**Minimum of 38 hours required.** Competency in simultaneous communication is required before the student teaching experience is initiated. Comprehensive examination or thesis option is required.
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 competencies in theory, specific diagnostic and intervention skills, and practical application. The Entrance Exam requires a minimum score of 80 on the MAT.

III. Electives

A. Child Development - 3 hours
B. Learning Theory - 3 hours
C. Learning Disabilities - 3 hours
D. Student Teaching (or equivalent) - 3 hours
E. Methods Courses - 3 hours

5. Pre-requisite 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 pre-competency evaluation. This evaluation will include the following:

A. Written — this will test the ability of the student to articulate in writing 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 approach to various problems of teaching and pupil-teacher relationships.
C. Objective Test — this is designed to examine the student’s past and present exposure to theory and terms concerning the area of special education and learning disabilities.

Course Requirements:

1. STEP I (12 hours) — This is an entrance level step which will prepare the student in the theoretical aspects of learning disabilities. It is also designed to give the student a foundation for the inquiry approach to problem solving. Courses for Step I include the following:

   Required: 10 hours

   SPED 840M - Learning Disabilities (3)
   SPED 880M - Social and Emotional Growth of Children and Youth (3)
   SPED 881V - Introduction to Research (3)

   Electives: 3 hours

   SPED 841M - Problems in Teaching Reading - Elementary (3)
   SPED 872U - Problems in Teaching Reading - Secondary (3)
   SPED 842V - Interdisciplinary Approaches to Development Disabilities (3)
   SPED 872M - Childhood Language Disorders (3)
   SPED 847V - Neurophysiology of Speech (3)
   SPED 831M - Parent-Professional Relationships (3)
   Psy 856V - Learning in Education (3)
   Psy 858V - Learning in Special Education (3)
   Psy 859V - Personality Development (3)
   FED 894M - Growth and Learning Problems in Disadvantaged (3)

   SPED 889, Master’s Thesis (3)

   Comprehensive Evaluation — At the end of Step I and prior to entering Step II, each student will be given a comprehensive evaluation of Step I experiences. This evaluation may take the form of a written exam or a comprehensive exam of Step I experiences. This examination will consist of an oral exam or both. Students must attain an 80 percent proficiency level before entering Step II. Students not attaining this level will be required to take additional elective courses, or (c) be dropped from the program.

2. STEP II (18 hours) — Upon successful completion of Step I, students will enter Step II which combines theory and practice in preparing the student in the theoretical aspects of learning disabilities. The student will teach in a special education program and the application of intervention techniques relative to children’s learning and emotional behavior and the application of intervention techniques relative to children’s learning and emotional behavior and the application of intervention techniques relative to children’s learning and emotional behavior and the application of intervention techniques relative to children’s learning and emotional behavior. During this step, students must submit to the Graduate College a complete teaching program. This program will include the following:

   Application for Candidacy Form. Courses for Step II include the following:

   Required: 13 hours

   SPED 862V - Basic Diagnosis of Learning Disabilities (3)
   SPED 880V - Advanced Diagnosis of Learning Disabilities (4)
   SPED 887V - Clinical Teaching in Learning Disabilities (3)
   SPED 881M - Classroom Techniques for Behavior Control (3)

   Electives:

   SPED 863M - Curriculum Planning for the Disabled (3)
   SPED 884V - Diagnostic and Remedial Techniques for Early Childhood (3)
   Psy 851M - Psychological and Educational Testing (3)
   PSY 831V - Child Assessment in Elementary School Guidance (3)
   EIE 819V - Diagnostic and Corrective Instruction (3)
   FED 843V - Introduction to Curriculum Planning - Elementary (3)
   EIE 828M - Learning Materials for Early Childhood Education (3)
   SED 830V - Emerging School Curriculum (3)
   SED 877V - Vocational Curriculum Construction (3)
   SED 877V - Vocational Curriculum Construction (3)
   SED 877V - Vocational Curriculum Construction (3)
   SED 877V - Vocational Curriculum Construction (3)
   SED 877V - Vocational Curriculum Construction (3)

   Other secondary methods courses are recommended.

   Comprehensive Evaluation — At the end of Step II and prior to entering Step III, each student will be
given a comprehensive evaluation of Step II experiences. This evaluation may take the form of a written exam or oral exam or both. Students must attain at least an 80 percent proficiency level before entering Step III. Students not attaining an 80 percent proficiency level may: (a) be evaluated a second time; and/or (b) be recommended to take additional elective courses, or (c) be dropped from the program.

3. STEP III (9 hours) — This is the final step in the student's program. Except for SPED 870, Seminar in Special Education, the student must demonstrate and be evaluated in those skills and competencies developed for practicum use. The following courses are required:

- SPED 870V-Seminar in Special Education (3)
- SPED 873V-Advanced Observation and Student Teaching in Special Education (3)
- SPED 872V-Basic Observation and Student Teaching in Special Education (3)

Master of Science: Teaching the Emotionally Disturbed

Entrance Requirements

1. The student must have completed the following courses:
   a. Child Development — 3 hours
   b. Learning Theory — 3 hours
c. Curriculum Development — 3 hours
d. Student Teaching (or equivalent) — 3 hours
e. SPED 481/881M or equivalent
   f. SPED 481/881M or equivalent
   g. The student must demonstrate a “B” average for the last two years of coursework. The student may be granted provisional admission with less than a “B” average (but not less than 2.54) (See Graduate Catalog). The student must maintain a “B” average for graduate work.
   h. The Miller Analogies Test must be taken prior to evaluation of admission application. The student must score 35 for provisional admission and 45 for unconditional admission.
   i. The student will demonstrate his/her ability to articulate by writing a position paper in terms of previous work or teaching experience.
   j. An informal interview with the advisor.
   k. Student must hold a Bachelor's degree with a teacher's certification in one or more teaching areas.
   l. Student must have completed two years of successful teaching before enrollment will be granted.
   m. Students must fulfill all other entrance requirements as required by the Graduate College of the University of Nebraska at Omaha.

Program Requirements

1. Thirty-six (36) hours must be completed for the M.S. in Special Education with a major in Emotionally Disturbed and enrollment 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
      a. Step I — 12 hours
         i. Required
            - FED 801V, Introduction to Research — 3 hours
            - SPED 883V, Educ. Strategies for Ed Child and Adolescents — 3 hours
            - SPED 840M, Learning Disabilities — 3 hours
         ii. Electives
            - SPED 806V, Interdisciplinary Approaches to Developmental Disabilities — 3 hours
            - PSY 864M, Abnormal Psychology — 3 hours
            - PSY 854M, Personality Theories — 3 hours
            - PSY 859M, Psychology of Exceptional Children — 3 hours
            - PSY 851V, Advanced Educational Psychology — 3 hours
            - SPED 899, Master's Thesis — 3 hours

      b. Comprehensive Examination

   4. Step II — 12 hours
      a. Required
         i. Electives
            - SPED 895V, Diagnosis of Learning Disabilities — 3 hours
            - SPED 883V, Practicum in Teaching Emotionally Disturbed — 3 hours
            - SPED 875M, Childhood Language Disorders — 3 hours
         ii. Electives
            - SPED 896V, Advanced Diagnosis of Learning Disabilities — 3 hours
            - SPED 831V, Diagnosis and Remedial Instruction in Reading — 3 hours
            - PSY 831M, Psychological and Education Testing — 3 hours
            - PSY 863M, Techniques of Programmed Instruction — 3 hours
            - PSY 855M, Learning in Children — 3 hours
            - PSY 837V, Behavior Modification — 3 hours
            - SPED 899, Master's Thesis — 3 hours

   5. Comprehensive Examination

   6. Step III — 12 hours
      a. Required
         i. Electives
            - SPED 870V, Seminar in Special Education — 3 hours
            - SPED 871V, Parent/Professional Relationships — 3 hours
            - SPED 884V, Advanced Practicum in Teaching Emotionally Disturbed — 3 hours
            - Curr 827V, Group Techniques — 3 hours

   7. Comprehensive Examination

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 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 intermediate 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:

   a. Required Core Courses
      - 801V, Criminal Justice Planning and Innovation — 3 hours
      - 820V, Seminar in the Administration of Justice — 3 hours
      - 832V, Criminal Justice Research Theory and Methodology — 3 hours
      - 839V, Criminal Justice Research Theory and Methodology — 3 hours
      - 860V, Seminar in Community Services and Treatment — 3 hours
      - 867V, Theoretical Criminology — 3 hours
      - 868V, Seminar in the Processes of the Criminal Justice System — 3 hours
      - 870V, Seminar in Delinquency Prevention, Control, and Correction — 3 hours
      - 811V, Special Problems in Criminal Justice — 3 hours
      - 84V, Independent Study — 3 hours
      - Elective Courses
         - (student selects two (2) courses in a related field. Suggested fields include, but are not limited to: Business Administration, Psychology, Political Science, Social Work, Sociology, and Public Administration. A minimum of 3 hours is required)

   b. Comprehensive Examination — 3 hours

   c. Final Thesis — 3 hours

   d. Comprehensive Examination — 3 hours

DEGREE REQUIREMENTS

45 credits

SPED 895V, Diagnosis of Learning Disabilities — 3 hours
SPED 883V, 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 831V, Diagnosis and Remedial Instruction in Reading — 3 hours
PSY 831M, Psychological and Education Testing — 3 hours
PSY 863M, Techniques of Programmed Instruction — 3 hours
PSY 855M, Learning in Children — 3 hours
PSY 837V, Behavior Modification — 3 hours
SPED 899, Master's Thesis — 3 hours
Comprehensive Examination

Step III — 12 hours
Required
Electives
Comprehensive Examination

Step II — 12 hours
Required
Electives
Comprehensive Examination

Step I — 12 hours
Required
Electives
Comprehensive Examination

Master of Science

PSY 845M, Personality Theories — 3 hours
PSY 859M, Psychology of Exceptional Children — 3 hours
PSY 851V, Advanced Educational Psychology — 3 hours
SPED 899, Master's Thesis — 3 hours
Comprehensive Examination

Master of Arts

SPED 801V, Introduction to Research — 3 hours
SPED 883V, Educ. Strategies for Ed Child and Adolescents — 3 hours
SPED 840M, Learning Disabilities — 3 hours
Electives
SPED 895V, Diagnosis of Learning Disabilities — 3 hours
SPED 883V, 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 831V, Diagnosis and Remedial Instruction in Reading — 3 hours
PSY 831M, Psychological and Education Testing — 3 hours
PSY 863M, Techniques of Programmed Instruction — 3 hours
PSY 855M, Learning in Children — 3 hours
PSY 837V, Behavior Modification — 3 hours
SPED 899, Master's Thesis — 3 hours
Comprehensive Examination

Step III — 12 hours
Required
Electives
Comprehensive Examination

Step II — 12 hours
Required
Electives
Comprehensive Examination

Step I — 12 hours
Required
Electives
Comprehensive Examination
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

- 801V, Criminal Justice Planning and Innovation
- 802V, Seminar in Administration of Justice
- 812V, Criminal Justice Research Theory and Methodology

Elective Courses

(student selects four (4) courses with advisor’s approval)

- 803V, Comparative Law Enforcement Systems
- 804V, Seminar in Community Services and Treatment
- 807V, Theoretical Criminology
- 808V, Seminar in the Processes of the Criminal Justice System
- 809V, Seminar in Delinquency Prevention, Control, and Coronation
- 811V, Special Problems in Criminal Justice
- 816V, Independent Study

Elective Cognate Courses

In consultation with an advisor the student selects five (5) courses in a related field. Suggested fields include, but are not limited to: Business Administration, Psychology, Political Science, Social Work, and Sociology. Satisfactory completion of the comprehensive examination is also required.

Master of Science

Public Administration Option

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

Required Criminal Justice Core Courses

- 801V, Seminar in Criminal Justice Planning and Innovation
- 802V, Seminar in Administration of Justice
- 812V, Criminal Justice Research Theory and Methodology

Required Public Administration Core Courses

- 840M, Public Budgeting
- 848V, Seminar in Public Financial Management

Elective Criminal Justice Courses

(student selects four (4) courses with advisor’s approval)

- 803V, Comparative Law Enforcement Systems
- 804V, Seminar in Community Services and Treatment
- 807V, Theoretical Criminology
- 808V, Seminar in the Processes of the Criminal Justice System
- 809V, Seminar in Delinquency Prevention, Control, and Coronation
- 811V, Special Problems in Criminal Justice
- 816V, Independent Study

Elective Public Administration Courses

In consultation with an advisor the student selects one (1) course from the Public Administration elective requirements.

Dramatic Arts

Master of Arts

An applicant for graduate study in Dramatic Arts must present a minimum of 15 undergraduate semester hours in appropriate courses in dramatic arts beyond the introductory course. Deficiencies must be made up during the first year of graduate study.

The graduate program in dramatic arts is designed to insure that students are familiar with the field as a whole and prepared to demonstrate their mastery in a written comprehensive examination at the conclusion of their course work. All candidates are required to take a course in research methods and to complete one of the following plans of study:

Option I:

Successful completion of 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 when completed before the committee.

Option II:

Successful completion of 33 semester hours of course work including at least 12 hours in V-level courses; plus a final project (3 credit hours) in playwriting, directing, acting, scenic design, costume design, or lighting design which will be orally defended upon completion.

Economics

Applicants to the graduate program in Economics must have or complete 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)

- ECON 820V, Microeconomic Theory
- ECON 822V, Macroeconomic Theory
- ECON 830M, Quantitative Applications in Economics and Business*
- ECON 829V, Research Methods
- ECON 830V, Econometrics

*Not required for students demonstrating satisfactory mathematical skills. In that case add 6 hours to electives.

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

Suggested Specializations

I. Economic Theory

- ECON 828M, Evolution of Economic Thought
- ECON 832M, Advanced Macroeconomics
- ECON 845M, Monetary Theory and Policy
- ECON 855M, Money and Banking
- ECON 866M, International Economics

II. Energy and Regulatory Economics (select 3 courses)

- ECON 821M, Competition and Monopoly in American Industry
- ECON 831M, Public Utility Economics
- ECON 832M, Energy Economics
- ECON 833M, Transportation Economics

III. Monetary and Financial Economics (select 4 courses)

- ECON 840V, Public Finance
- ECON 845M, Monetary Theory and Policy
- ECON 845V, Seminar in Money and Banking
- BA 831V, Banking and Financial Markets
- BA 856M, State and Local Finance

IV. International Economics

- ECON 865V, Seminar in International Economics
- ECON 866M, International Economic Development
- POL SCI 820V, Seminar in International Politics

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

- ECON 856V, Seminar in Urban Economics
- ECON 857V, Seminar in Regional Economics
- ECON 899V, Research in Urban/Regional Economics
- GEO 812M, Urban Geography
- HIST 843M, American Urban History to 1870
- HIST 844M, American Urban History since 1870
- SOC 814M, Urban Sociology

VI. General (21 hours of graduate-level elective courses. Approval of Economics Program Graduate Advisor required)

Master of Arts

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

Core (12 hours)

ECON 820V, Microeconomics Theory
ECON 822V, Macroeconomic Theory
ECON 835M, Quantitative Applications in Economics and Business*
ECON 839V, Research Methods

Suggested Specializations

I. Real Estate and Land Use Economics
   - BA 867V, Real Estate and Land Use Economic Theory
   - BA 867V, Current Problems in Real Estate
   - BA 899V, Thesis**
   - Electives
   
   - **Must be written under the supervision of a member of the REALUE program.
   - 15 hours

EDUCATIONAL ADMINISTRATION-SUPERVISION AND FOUNDATIONS

Programs in Educational Administration-Supervision

Master of Science

An applicant for admission to the program for the Master of Science degree in educational administration and supervision (without endorsement) must hold a Bachelor's degree from an accredited institution and be certificated at either or both the elementary or secondary teaching level. The degree program of at least 36 semester hours must include balanced coverage of the major areas of educational administration and supervision.

An applicant for admission to the program for the Master of Science degree in educational administration and supervision (without endorsement) must hold a Bachelor's degree from an accredited institution.

As part of the 36-hour program, graduate coursework in related fields may be taken, up to a total of not more than 12 semester hours.

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

Specialist in Education

An applicant for admission to the Specialist in Education degree (with endorsement) in the Department of Educational Administration - Supervision and Foundations must hold a Master's degree from an accredited institution, and present evidence of having had appropriate administrative experience.

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

These programs of study are designed to best utilize the student's needs and ambitions. Articulated with the Master's Degree, the total program must accumulate to not less than the following number of semester hours.

The program is carried out under the direction of a graduate faculty supervisory committee. Prior to admission to candidacy, all students 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 varied, challenging, and relevant experiences for both classroom teachers and community workers in allied professional fields. Students in this thirty-six-hour program will increase their competence and expertise in functioning not only in the educational setting of the urban classroom, but also within the wider community milieu.

It is expected that students will be able to critically analyze the logic and structure of the educational institution, and the inter-relationship 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 appreciation of the varied life-styles within the urban setting, and specific skills to function effectively as an educator. In addition, attention will be focused on 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

Required Courses:

FED 801V, Introduction to Research

Select six of the following courses:

FED 802V, History and Philosophy of Education
FED 807V, Education and Society
FED 807V, Alternative Strategies in Urban Education
FED 809V, Urban School
FED 811V, Conflict and Controversy in Education
FED 813V, Field Research Techniques in Urban Education
FED 898M, Growth and Learning Problems of the Disadvantaged

Electives to be determined by the student and/or his/her advisor.

The program shall be flexible enough to allow for individualized programs of study and experience which are most appropriate for the preparation of each candidate and for the level at which the candidate is preparing to work.

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 in English are required to take English 801V (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 course work, including at least 12 hours in 800V-900V-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 course work, including at least 18 hours in 800V-900V-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:

English 806V, 808V, 810V, 813V

English 809V, 898V, 912, 915

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

DEGREE REQUIREMENTS

1. Satisfactory completion of the following four courses:
   a. Eng. 858M, Introduction to Linguistics
   b. Eng. 859M, 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 Teaching English as a Second Language is awarded upon completion of the above three requirements and successful performance in an approved semester seminar.

GEOGRAPHY

Master of Arts

The Master of Arts degree offered by the Department of Geography - Geography requires a minimum of 36 semester hours of approved graduate work in geography or related cognate disciplines, plus at least 24 semester hours of work in the major. The student must successfully complete two required courses and two others selected from the list of required courses for the master's degree.

The major concentration in Geography is made up of a minimum of 12 semester hours of graduate work at the 800V level in Geography and the remaining 12 semester hours of the major concentration in Geography at the 900V level in Geography.

The remaining of the program consists of courses scheduled by the student with the advice of the Graduate Advisor.
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 as a prerequisite a minimum of 15 undergraduate semester hours of geography including physical and human geography and cartography. 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 a 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 GERO 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, individual 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 GERO 894M-Practicum and participate in periodic seminars with the Practicum Supervisor of the Gerontology Program.

Example of a program of study
Each individual program of study will be tailored to the needs and interests of each student. Below is an example of what one program of study might look like:
GERO 811M—Applied Social Gerontology (3 semester hours) — required of all students at the graduate level.
GERO 810M—Educational Gerontology (3 semester hours)
GERO 846M—Aging and Human Behavior (3 semester hours)
GERO 867M—Programs and Services for the Aging (3 semester hours)
GERO 895M—Counseling Skills in Gerontology (3 semester hours)
GERO 894M—Practicum (6 semester hours)

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 Physical Education.

Master of Science
Professional Specialization: Students must complete professional specialization in consultation with the advisor. Specializations may include coursework in health education, physical education and recreation/leisure studies.

HPER Electives: Elective HPER courses, approved by the advisor, must be taken as needed to bring the HPER courses in the student’s program to a minimum of thirty-six hours. A minimum of six hours outside the School of HPER is required.

Master of Arts
Professional Specialization: Students must complete a professional specialization in consultation with the advisor. Specializations may include coursework in health education, physical education and recreation/leisure studies.

HPER Electives: Elective HPER courses, approved by the advisor, must be taken as needed to bring the HPER courses in the student’s program to a minimum of twenty-seven hours.

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.
Candidates for the Master of Science degree in Service Science must include a minimum of 9 hours in the Natural and 6 hours in the Social Sciences of the four cooperating departments. Under any option not more than one-half of the total program for the specific course deficiencies.

Lincoln Campus: In addition to this, an important step to initiate a graduate program is to consult with the designated member of the Graduate Faculty from Home Economics.

Baccalaureate degree from an accredited institution. Departments within the college may determine 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.

Application for a graduate degree program in Home Economics is to be made to Graduate Studies, Lincoln Campus: In addition to this, an important step to initiate a graduate program is to consult with the designated member of the Graduate Faculty from Home Economics. The minor portion must be completed in the four cooperating departments. Under any option not more than one-half of the total program for the specific course deficiencies.

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

1. Complete a thesis not to exceed 6 semester hours, which may include not more than two graduate semester hours, which may include not more than two courses in each of the four cooperating departments. Under any option not more than one-half of the total program for the master's degree, including thesis research when applicable, may be completed in the major subject matter area.

2. Complete a thesis not to exceed 12 semester hours, which may include not more than two graduate semester hours, which may include not more than two courses in each of the four cooperating departments. Under any option not more than one-half of the total program for the master's degree, including thesis research when applicable, may be completed in the major subject matter area.

3. The minor portion must be completed in the four cooperating departments. Under any option not more than one-half of the total program for the specific course deficiencies.

4. The minor portion must be completed in the four cooperating departments. Under any option not more than one-half of the total program for the specific course deficiencies.

5. The student must have completed fifteen acceptable credits in undergraduate mathematics beyond calculus, and have an overall average of B or better during the last two undergraduate years. In some cases where the above criteria is not met, a provisional admission may be granted.

6. 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 B or above and at least 18 credit hours which carry a number of 800 or above.

c. Include mathematics courses 823M, 824M, 827 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.

Master of Arts

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

a. Earn a total of 30 credits in mathematics.

b. Complete a thesis not to exceed 6 semester hours, which may be applied toward the 30-hour total.

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

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 including 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:

- Earn a total of 36 credits, of which 24 must be in mathematics.
- Include in his program mathematics courses 801 (T), 802T, 803T, 804, 823-870U, and at least one mathematics course at the 800M level or above (Courses 823-870U may be waived if the equivalent undergraduate courses have been taken).
- Include in his program secondary education courses 850V, 853V, and at least one additional secondary education course selected from 823V, 830V, 833V, 856M, 846V, or 936V.
- As listed under the Master of Science above.
- As listed under the Master of Science above.

POLITICAL SCIENCE

Admission Requirements: An applicant for admission to the Master of Arts or Master of Science program must present, as a prerequisite, a minimum of fifteen semester hours of undergraduate work in Political Science or their equivalent as determined by the departmental Graduate Admissions Committee. For applicants whose undergraduate major was political science, a minimum of any three courses at the B or C level in any 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 can 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 is required to complete thirty semester hours, twenty-four of which must be of graduate status and supervised by a single advisor. Students must maintain a B (3.0) average in their course work, receiving no more than one 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 remainder of the course work is elective and may include course work in related disciplines. Of the twenty-four hours of course work twelve must be at the M 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 with a minimum of eighteen hours in the M level, including 800V (Research Methods). The student will select courses from the Political Science curriculum but may include up to nine hours of cognate or nine hours of course work in related disciplines. Students must maintain a B (3.0) average in their course work, receiving no more than one C. The student and advisor must pass written comprehensive examinations covering core areas of study. The aim is to tailor each student’s program to fit his or her personal or career interests.

PSYCHOLOGY

Admission Requirements: A minimum of 15 undergraduate semester hours of psychology courses including three hours of 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 Analytic sections. The Advanced GRE in psychology is not required for admission to the Master’s program but is recommended for applicants who are applying for a graduate assistantship and/or for the Ph.D. program. Although the Advanced GRE is not required for admission to the Master's program a score of at least 700 on the verbal and quantitative sections is anticipated. Students must maintain a B (3.0) average in their course work, receiving no more than one C. Students and advisors must pass written comprehensive examinations covering core areas of study. The aim is to tailor each student's program to fit his or her personal or career interests.

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

I. A. Psychology 950 (Research in Perception)
   B. Psychology 956 (Research in Perception)
   C. Psychology 921 (Research in Psychological Physiology)
   D. Psychology 943 (Research in Psychophysiology)

II. A. Psychology 910 (Research in Analysis of Variance)
    B. Psychology 916 (Research in Factor Analysis)

III. A. Psychology 921 (Research in Psychological Physiology)
     B. Psychology 923 (Research in Psychophysiology)

IV. A. Psychology 943 (Research in Personality)
    B. Psychology 944 (Research in Social Psychology)

The student must earn a grade of at least B in the four required prerequisites. If either a C is earned, or an unexcused withdrawal (W) is recorded in a prerequisite this course or its pairmate must be repeated and completed with a grade of B or better. Should two such grades (C and/or W) in one or more prerequisites become a matter of record at any point in time (even if the initial C or W has been improved upon subsequently) the student will be dismissed from the program. This rule applies to the prerequisite series only. Exceptions to these admission requirements can be made on an individual basis. The student's plan of study will result also in dismissal. A dismissed student may appeal to the Graduate Program Coordinator.

The remainder of the student’s course work is elective, but must be planned in conference with the academic advisor. The student must order to meet the individual needs and interests. Psychology 880V is a non-credit course intended to familiarize the beginning graduate student with the profession of psychology and is required of all graduate students. The student may emphasize one of the following areas: quantitative, psychological, general experimental, social, personality, developmental, educational, and industrial/organizational psychology. Final determination of a student's plan of study always resides with the advisor and the department. To meet the graduate 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. with a major in educational psychology, the student must present 36 hours of graduate course work in psychology. The M.S. degree has the same prerequisite requirement as the M.A., and all rules connected with the M.A. courses are the same in both degree programs, as well as the requirement of Psychology 880V. An Advanced GRE may be required as determined by the department. This will ordinarily include up to 3 hours of practicum credit. Final determination of a student's plan of study always resides with the advisor and the department. To meet the graduate college requirements, a student must take at least half of the work in courses which are open only to graduate students.

Doctor of Philosophy

Through a cooperative program with the University of Nebraska-Lincoln, programs are offered in Omaha leading to the Ph.D. in industrial/organizational, experimental, and psychological. Students who complete the Ph.D. program must present 46 semester hours of graduate work, including at least 32 semester hours in the field of specialization. The remaining hours of coursework are determined by the student and the supervisory committee.

Doctoral Examination

To complete the entire dissertation series of eight courses as outlined above or their equivalent if the student has completed graduate coursework at another school. In addition, the following courses are required: Psychometric Methods, Research Methods, and Experimental Design. The remaining hours of coursework are determined by the student and the supervisory committee.
DEGREE REQUIREMENTS

1. Required Courses in Psychological Methods
- Psychology 831M (or 431) Psychological and Educational Testing
- Psychology 800V The Profession of Psychology
- Psychology 853V Individual Tests I
- Psychology 854V Individual Tests II
- Psychology 851V Advanced Educational Psychology
- Psychology 958 Personality Assessment
- Psychology 979T Topics in Seminar in School Psychology

One of the following three courses
- Psychology 855V Introduction to Therapeutic Techniques with Children
- Psychology 857V Behavior Modification
- Psychology 957 Applied Behavior Analysis

One of the following three courses
- Psychology 855M (or 455) Retardation
- Psychology 859M (or 459) Psychology of Exceptional Children
- SPED 860M (or 460) Introduction to Mental Retardation

2. Required Professional Education Courses
- COUN 824V Counseling Practice
- EAD 815V Introduction to Educational Administration and Supervision

One of the following two courses:
- Eled 843V, Introduction to Curriculum Planning-Elementary
- Eled 847V, Emerging School Curriculum

3. Required Supporting Work
- One to three courses in basic psychology (outside the student's area of specialization) and/or one to three courses in Special Education, Counseling, and Guidance, or other professional education.
- Doctoral students in this program are required to complete eight courses in Professional Education.

4. Practicum in School Psychology (Psychology 997)
- The student's program must include from 4 to 6 credit hours of practicum. The general rule is that 50 clock hours are required for each hour of credit. The usual practicum is for a 3-hour practicum emphasizing the student's area as a field of specialization, but a 1-hour practicum emphasizing behavioral interventions is also acceptable. A practicum must be approved by the School Psychology Committee before the student is allowed to enrol.

5. Internship in School Psychology (Psychology 998)
- An internship totaling at least 1000 clock hours must be completed before the student will be recommended for an internship review. This will normally be taken after the student has completed all other requirements, including the second practicum experience. The student must have an endorsement as a psychological assistant. The internship is usually completed in one of the Omaha-area schools but other situations may be arranged. The exact details of the internship are worked out between the student and the School Psychology Committee. Results of these negotiations must be approved by the School Psychology Committee. The student may sign up for three credit hours for each semester of internship completed.

Professional Programs in the Area of School Psychology

Application
- Application for admission to the programs in school psychology must be filled 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. Applicants who have not been admitted to graduate study previously must apply to the Director of Admissions, also. Application must be completed by April 15 for the following Fall Semester.

Supporting Work
- Students must take a minimum of ten courses beyond the Masters degree, including those taken for the Masters degree, to meet the 30-hour requirement. Students must complete 1000 clock hours before the student is eligible for the internship.
- Students who are pursuing work toward certification in Nebraska as Psychological Assistant must follow the certification requirements for the M.A. or M.S. Those seeking such certification are encouraged to apply to the Psychology Department at the same time they make application for degree candidacy in order to ensure that required courses are included in the plan of study for the degree. In any event, students must have been accepted in this program before enrolling in Psychology 853V or 854V. Application should be made to the Psychology Department and three letters of recommendation are required. Each letter must be from a psychology faculty member familiar with the student's work. Application should be made to the Psychology Department and three letters of recommendation are required. Each letter must be from a psychology faculty member familiar with the student's work. The Committee may require additional courses beyond those in the program. Students should contact the School Psychology Committee when they are ready to begin individual graduate training. The student's advisor should be a member of the School Psychology Committee.

The Ed.D. degree in school psychology requires completion of 66 graduate hours including those taken for the Masters degree. The requirements for this degree are the same as for those leading to certification as a school psychologist with one additional. The degree candidate must write and defend a thesis which deals with research or supervised experience in the area of school psychology. The student must consult with the School Psychology Committee before starting the project.
PUBLlC ADMINISTRATION

Master of Public Administration

This is a professional graduate degree which is designed: (1) to prepare students for careers in the public service—national, state, or local; (2) for those already in the public service who are seeking professional training; (3) for research or teaching in this field.

Administrators are required for a wide variety of governmental programs and students in the M.P.A. program will likely come from widely differing backgrounds. Some may come from current public employment while others may enter with degrees in the social sciences, engineering, business administration, or the humanities.

The general prerequisite for admission to the M.P.A. program is a Bachelor of Arts or Bachelor of Science degree or equivalent.

For students to be admitted unconditionally to the M.P.A. program they must have completed prerequisites (a) to (g) each of the following: Introduction to Public Administration, Accounting, and Statistics. The department will recommend a provisional admission to students who lack either statistics or accounting, but not both.

In no case will it admit on a provisional basis students with a deficiency in Introduction to Public Administration. The deficiency is to be removed during the first semester the student is enrolled as a graduate student.

In addition, if the student's undergraduate preparation in the social sciences is insufficient or if he/she lacks prerequisites for certain graduate courses additional course work may be prescribed which must be completed before unconditional admission is accorded. If an applicant has more than 8 hours of deficiencies he/she will be advised to remove these before being considered for admission. These additional courses do not count for graduate credit, but other courses for graduate credit may be taken simultaneously if the prerequisites for these courses have been met. No student will be permitted to take a graduate course in Public Administration without having had an introductory course in Public Administration unless expressly granted a waiver by writing the Departmental Graduate Committee.

The student will be assigned an adviser in the Public Administration Department. If he/she chooses an option other than General Public Administration or Local Government, an adviser from this field will also be assigned to the student.

Degree Requirements

Thirty-nine hours consisting of thirty hours of course work plus 3 hours of internship in a public agency for 4 months. In the event the governmental agency or jurisdiction sponsoring the internship cannot provide compensation, the student intern should be prepared to sustain the expenses of the internship. The internship may be waived for prior service in a civil or public or semi-public agency. Requests to waive the internship shall be submitted to the departmental graduate committee upon application for candidacy. In lieu of the internship, if waived, the student must take six additional hours of course work. Eighteen hours of the course work must be at the 500 level and a comprehensive written final examination is required.

Admission to Candidacy for Graduate Degree

It is the student's responsibility to make application for candidacy for the degree as soon as he/she can qualify for admission to candidacy. The qualifications are: (1) the scores on the Graduate Record Examination must be on file in the Graduate Office; (2) nine hours of graduate credit must have been completed at this University; and (3) a grade average of "B" with no grade lower than "C"; and (4) removal of all deficiencies specified for admission.

As a rule, no degree can be awarded in the same semester as candidacy for the degree is approved. Application forms should be filled out by the student—in consultation with the major and minor advisers—as soon as the student can qualify for admission to candidacy. Both the major and minor programs should be carefully and completely planned at this time and the application should be signed by both the major and minor adviser. The application form and the plan of study should be filed in the Graduate Office and copies should be provided for the major adviser, the minor adviser, and the student.

Plan of study should be planned with acceptable alternatives included. Once approved, any modification of a plan of study is permissible only upon recommendation of the major adviser or the major adviser if the minor is concerned, the minor adviser if the minor is concerned, and the approval of the UNO Dean for Graduate Studies and Research.

Courses Required of all Options

P.A. 840M, Public Budgeting
P.A. 841M, Public Personnel Management or 846V Seminar in Public Personnel Administration if credit has been earned in 441/841M
P.A. 880V, Seminar in Research Methods in Political Science and Public Administration
P.A. 842V, Seminar: Introduction to Public Organizations
P.A. 844V, Seminar in Organization Development in Public Agencies
P.A. 845V, Seminar in Advanced Management Analysis in Public Agencies
P.A. 848V, Seminar in Public Financial Administration
P.A. 803U, Internship

General Public Administration (15 hours from the following selected list in consultation with Adviser. It is possible under exceptional circumstances to substitute other courses with approval of Adviser.)

P.0. 803M, The Legislative Process
P.0. 803M, The Judicial Process
P.A. 843M, Municipal Administration
P.A. 810V, Seminar in Public Administration
Econ 856M, State and Local Finance
P.S. 815V, Seminar in Public Law
P.A. 830V, Seminar in Public Policy
P.A. 846Y, Seminar in Public Personnel Management
P.A. 860V, Seminar in Administrative Law
P.A. 881V, Urban Seminar in Metropolitan Planning and Development
Econ 887V, Seminar in Regional Economics
P.A. 892V, Readings in Public Administration

Gernology Option (15 hours to include courses from the following selected in consultation with Adviser to fit the student's particular needs.)

Geo 811M, Applied Social Gerontology
Geo 825M, Health Aspects of Aging
Geo 835M, Gerontology Psychology
Geo 892M, Special Studies in Gerontology
SW 814V, Social Work Practice III (Macro)
SW 862M, Social Welfare and Institutional Racism

Local Government Option (15 hours from the following selected list in consultation with Adviser. It is possible under exceptional circumstances to substitute other courses with approval of Adviser.)

Geo 812M, Urban Geography
P.A. 843M, Municipal Administration
Econ 856M, State and Local Finance
P.A. 810V, Seminar in Public Administration
P.A. 830V, Seminar in Public policy
P.A. 850V, Seminar in Administrative Law
P.A. 881V, Urban Seminar in Metropolitan Planning and Development
Econ 885V, Seminar in Urban Economics
P.A. 892Y, Readings in Public Administration
P.A. 894V, Research in Public Administration

The Planning Option (15 hours to include CRP 811 and CRP 828 plus nine hours of course work from the following list selected in consultation with Adviser.) 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 812, Planning Process and Theory
CRP 813, Housing, Renewal and Development
CRP 823, 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 in the Natural Environment
CRP 917, Planning with Minority and Low Income Groups
CRP 945, Human Resource Planning

Public Works-Civil Engineering Option (15 hours from the following list selected in consultation with Adviser.)

Four fields of supplemental study available: Transportation, Sanitary, Water Resources and Design and Construction.

The objective of the program is to develop a broad based Civil Engineering plan of study for public administration students who have little or no formal engineering training. A tentative list of Civil Engineering courses requiring no prerequisites or engineering background is presented below. The student will be encouraged to select courses from at least three of the four fields of interest in order to encourage breadth in his educational experience. Other courses may be available to the student with instructor's consent or if sufficient student demand warrants additional offerings.

Transportation:
CE 468, Traffic Engineering
CE 468B, Transportation Geometrics
CE 485, Urban Transportation Planning
CE 486, Transportation Planning and Economics
SOCIOLOGY

Applicants for admission to the graduate program in sociology should present a minimum of 15 undergraduate semester hours in sociology including courses in statistics and research methods. Those students lacking either will be required to make up this deficiency during their first year of graduate study.

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

The M.A. degree should be sought by students preparing for college-level teaching and continuing academic work; the M.S. degree as 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 nine semester hours of 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 two remaining examinations are selected by the student, in consultation with the graduate adviser, from a list available through the Sociology Office. The examinations are given a minimum of twice annually, and other times as required. Detailed explanations of graduate requirements should be secured through the Sociology Office.

Master of Science with a Major in Applied Sociology

A student contemplating this degree is expected to complete Sociology 801V and a minimum of 27 additional graduate semester hours, at least nine of which are from the 800V-level work. Courses of applied theory (3 hours) and methods (nine hours) are required, as well as development of an area of specialization. Six of the nine hours, including at least nine semester hours of 800V-level work, are from the following list selected in consultation with the graduate adviser, from a list available through the Sociology Office. The examinations are given a minimum of twice annually, and other times as required. Detailed explanations of graduate requirements should be secured through the Sociology Office.

TEACHER 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 with endorsement in Educational Media, Gifted Education, Vocational Education and Special Vocational Needs.

Admission Requirements

The requirements for unconditional admission into a graduate degree program are as follows:

1. A valid teaching certificate
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):
   a. Graduate Record Examination — minimum score of 840 on the Verbal and Quantitative sections
   b. Graduate Record Examination — minimum score of 1200 on the Verbal, Quantitative and Advanced Test in Education
   c. Miller Analogies Test — minimum raw score of 35
Comprehensive Examination

Students who seek the Master of Science Degree must take a written Comprehensive Examination. 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 be given to all students and 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 those concepts that are unique to each student's program, but may also re-examine areas of 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 meet the prerequisites. Their graduate advisor will confer with them in planning for such courses. Students not pursuing a graduate degree will be admitted as unclassified graduate students. Normally, no more than six hours taken as an unclassified student may be transferred into a graduate degree program.

ELEMENTARY EDUCATION Education

Programs for the Master of Arts degree with a major in elementary education will be determined by the major advisor upon request.

Degree Program

Master of Science

I. Requested Courses
   FED 601V, Introduction to Research .......................................................... 21 hours
   FED 603V, History and Philosophy of Education
   BFD 619V, Diagnostic and Corrective Instruction
   BFD 640V, Innovations in Elementary Education
   BFD 641V, Introduction to Curriculum Planning — Elementary
   BFD 644V, Seminar in Elementary Education
   EDAD 846V, Administration and Supervision in Elementary Schools

II. Area of Concentration ................................................................. 9-12 hours
   Each student will include in his Plan of Study an area of concentration in a special field which will provide depth in an area of his interest. All concentrations will be decided upon in conference with the student's departmental advisor.
   Possible choices include: Reading, Early Childhood Education, Gifted Education, Guidance, Improvement of Instruction, Learning Disabilities, Urban Education, Educational Administration, Educational Media, or an academic concentration, e.g., history, English, mathematics.

III. Electives ........................................................................ 3-6 hours

Reading

Master of Science

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

I. Core Professional Courses
   Read 901, Problems of Teaching Reading-Elementary .................................. 3 hours
   Read 902, Problems of Teaching Reading-Secondary .................................... 3 hours
   Read 907, Seminar in Organization and Administration of Reading Programs ......................................................... 3 hours
   Read 911, Seminar in Research in Reading .................................................. 3 hours
   SPED 813V, Diagnostic and Remedial Instruction in Reading .................. 3 hours
   SPED 814V, Measurement and Evaluation of Reading ............................... 3 hours
   EDAD 815V, Clinical Practicum in Reading .................................................. 3 hours

II. Related Professional Courses
   Including introduction to research and selected work in such areas as:
   a. Tests and Measurements
   b. A research course in an academic discipline
   c. Research methods
   d. Statistics

III. Related Cognate Courses
   Including selected work in such areas as guidance and counselling
   and/or the various subject areas mentioned under sections I and II.
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 programs and are seeking additional professional training.

Qualified urbanists are being sought by a wide range of employers. Private corporations as well as public agencies are seeking employees who have a broad range of technical skills and an understanding of 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 he must complete before he is accorded unconditional admission. These additional courses do not carry graduate credit, but other courses for graduate credit may be taken simultaneously.

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, 803V, 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 805V, 843M, 881V; Sociology 810M, 814M, 825M; Gerontology 810M, 835M, 845M; Counseling and Guidance 800V, 829M, 879M; Geography 812M, 880V, 881V. A maximum of nine hours of optional credit may be selected from Economics 831M, 832M, 833M, 835M; 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 a cognate or selected courses on a plan of study.

Chemistry
Graduate Chemistry courses are offered to fulfill requirements for a minor field or as a 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 a 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.
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 purpose. Prereq: Graduate standing and departmental permission.

831M Advanced Sculpture (3) Advanced work in area of student’s choice with facilities for bronze casting, wood carving, and sculpture, and emphasis on contemporary art. Prereq: Art 341 and permission of instructor.

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

851M Advanced techniques in printmaking (3) Intaglio, lithography, collagraph, and embossed print, stressing color and technical proficiency in the various media. Prereq: 351 and permission of instructor.

461/861M 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 of instructor.

841V Graduate Painting (3) More complex problems in the oil medium and related material. Prereq: Permission and 12 credit hours of painting. Prereq: Art 451 and permission of instructor.

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

Biology

323/823M Microtechniques (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.

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

353/853 Plants of The Great Plains (3) The classification, identification, and recognition of common vascular plants, including weeds, ornamentals, and indigenous plants, found in the great plains. Prereq: Biology 145.

363/863 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.

373/873 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.

374/874 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.

416/816M 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 162 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 restored ecosystems. Prereq: Graduate standing in Biology and permission of the instructor.

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 Organic Evolution (3) A study of organic evolution in terms of evidence which support the theory and the mechanisms involved in the process. Prereq: Biology 214. Lecture and discussion only.

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: Biology 175 and Psychology 101 or permission of the instructor. Lecture only. (Same as Psychology 427/827M.)

428/828M Animal Behavior Laboratory (1) Laboratory and field studies of animal behavior with an ethological emphasis. Prereq: Biology 175, and a course in vertebrate anatomy, or permission of the instructor. Lecture and discussion only.

433/833M Bryology (3) A course in the identification, classification, ecology, and distribution of bryophytes. Prereq: Biology 344 or permission of the instructor.
118H Business Administration

Survey of Accounting (3) The uses of accounting for purposes of control, planning, and decision making by managers, shareholders, creditors and others. Prereq: This course is for the graduate student who has not taken Principles of Accounting. Graduate standing and written permission.

118T Quantitative and Statistical Methods for Business Decisions (3) Elementary concepts in quantitative and statistical methodologies. Emphasis is placed on multiplicity of applications to a wide variety of methods. Prereq: Graduate standing and one year of college calculus.

118Y Analytical Foundations of Economics (3) Fundamental principles of macro- and microeconomics for graduate students. Prereq: Economics 101 and 102. The development of modern aggregate theory is examined along with an examination of microeconomics. This course is designed for business firm, its market structure, production possibilities, and cost factors. Prereq: Open to MBA candidates and other graduate students during this course. No credit is given to students having previously taken Economics 201 and Economics 202 or their equivalents.

809M Financial Auditing (2) Provides an in-depth coverage of the professional standards and concepts of financial auditing as performed by independent public accountants. Audit tools and techniques, professional applications, and reporting obligations will be emphasized. Prereq: ACC 408.

456/856M State and Local Finance (3) An inquiry into the facts, techniques, principles, theorems, rules, and policies underlying the raising, distributing, and accounting for uses of revenue raising, distribution, and accounting for purposes of control and decisions. Prereq: Economics 201.

809V Quantitative Analysis (3) The study of quantitative techniques and models and their application in business decision making. Prereq: ECON 211 or BA 817T.

810V Business and Society (3) Explorations of the diversity of social forces and institutions which produce continued transition in the system of American capitalism. Prereq: L&S 325, 446 or BA 8123.

822V Research Methods in Economics and Business (3) A study of current research in economics and business. The student will become familiar with the techniques of analyzing economic and business data and the sources of such data. Prereq: Graduate standing and written permission of the instructor.

823V Biomorphology (3) A study of the morphology and anatomy of organisms in relation to support, circulation, respiration, excretion and reproduction. Lecture, laboratory, selected readings, and a written report. Prereq: Graduate standing in biology and permission of the instructor.

832V Advanced Topics in General Physiology (3) Stresses the application of general physiology including such topics as photo-physiology, hormonal regulation and control in the endocrine systems, co-inhibitions, and community and individual plant species. Emphasis is placed on the vegetative dynamics. Prereq: Open to graduate students. Prereq: Biol. 334/834, permission of instructor, graduate standing.

833V Vertebrate Embryology and Anatomy (3) Development and phylogeny of vertebrate animal groups. Development of outgroups to the fertilized egg to adult condition. Prereq: Biology 175.

834V Advanced Genetics (3) A survey of the current concepts in genetics with emphasis on new gene concepts, advances in cytogenetics and population genetics, and the application of genetics to other areas of biology. Lecture and discussion of selected readings. Prereq: Biology 214 or permission of instructor. Graduate standing.

835V Vertebrate Embryology and Anatomy (3) Development and phylogeny of vertebrate animal groups. Lecture and discussion of selected readings. Prereq: Biology 214 or permission of instructor. Graduate standing.

836V Advanced Topics in General Physiology (3) Stresses the application of general physiology including such topics as photo-physiology, hormonal regulation and control in the endocrine systems, co-inhibitions, and community and individual plant species. Emphasis is placed on the vegetative dynamics. Prereq: Open to graduate students. Prereq: Biol. 334/834, permission of instructor, graduate standing in biology. Biol. 355/835 recommended.

837V Mammalogy (3) An introduction to the study of mammals, including the morphology, anatomy, physiology, and ecology of vertebrate representatives. Prereq: Biology 175.

838V/884M Vertebrate Zoology (4) A study of the morphology, anatomy, physiology, behavior, classification and identification with emphasis on North American groups. Field trips. Prereq: Biology 478 or 495 or permission from instructor.
85V Business Conditions Analysis (3) This course is concerned with the measurement and analysis of general business conditions, and the adaption of business policies to changing conditions. Emphasis is placed upon the practical application of the statistical information which is derived from the business situation, within the framework of the aggregate economy. Prereq: Econ 202 or BA 818H.

85V Business Forecasting (3) This course includes a comprehensive survey of forecasting methods in-depth study of various forecasting techniques most commonly used in business environment. Emphasis is given to application and therefore students are required to develop forecasting models and test their performance as part of their course. Prereq: BA 801V or ECON 830M or permission of instructor.

810V Managerial Economics (3) Economic analysis of the business firm and its environment, with emphasis on market structure, pricing, production, and growth and the behavior of different firm types. Additional content is given the theory of the firm under conditions of uncertainty. Prereq: Econ 201 and 202 or BA 818H.

820V Managerial Accounting (3) A study of the processes of managerial accounting and budgeting, emphasizing internal financial management. Prereq: Prerequisite of Managerial Accounting at the undergraduate level should enroll in BA 821V, BA 823V, or BA 825V.

821V Accounting Theory (3) The development of accounting, current accounting theory and practice. Prereq: BA 820V or the equivalent of Managerial Accounting at the undergraduate level.

823V Control and Supervision (3) An analysis of the concept and basic techniques of the control/feedback system within the context of operational control, long range budgeting. Prereq: BA 820V or the equivalent of Managerial Accounting at the undergraduate level.

825V Seminar in Accounting (3) A study of problems which may be independent or interrelated in public, private, and governmental accounting. Prereq: BA 820V or the equivalent of Managerial Accounting at the undergraduate level.

826V The Environment of Management (3) A study of current administrative philosophy and social, economic, and political foundations. The course examines both the inter-organizational and intra-organizational processes of managerial planning, decision making, organizing, and controlling as well as the external environment’s impact on these processes. A research project is used to examine the environment, which includes an examination of institutional factors on the practice of management.

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 major concepts and findings in industrial and organizational behavior. Topics include motivation, leadership, group behavior, attitudes, and job satisfaction. Prereq: ECON 349 or BA 814F and written permission of the CBA Graduate Program Director.

832V Personnel Administration (3) Extensive treatment of the relevant developing theories, and techniques of personnel administration and human resource management. Emphasis is placed on the practical, applied aspect of personnel management and personnel training and development. Prereq: BA 831V.

835V Seminar in Management (3) A student participation course emphasizing current issues and problems in the areas of management information systems and organization. Prereq: BA 830V and 831V.

840V Marketing Economics (3) A study of the marketing approach to the determination of policies and procedures that relate to personnel administration and human resource management. Emphasis is placed on the practical, applied aspect of personnel management and personnel training and development. Prereq: BA 831V.

85V Current Problems in Real Estate and Land Use Economics (3) A study of current problems in real estate, land use, and community planning and control. Emphasis is placed upon the private and public sectors. Analysis of econometric, real estate development and use and re-use of real property to provide a viable environment for all citizens. Prereq: RE 341, RE 346, RE 440, and RE 161, or consent of instructor.

880V Policy, Planning and Strategy (3) A comprehensive study of business policies, prospects and potential, and trends in the marketing environment. The student is responsible for demonstrating integration of techniques of analysis through the completion of a research study. Only an A or B is considered an acceptable grade. Prereq: Taken in last 9 hours of MBA program.

890V Independent Research (3) Individual research in the field of accounting, finance, management, or in-depth study of the various disciplines of human problems in organizations. Prereq: BA 818V.

903V Seminar (1-5) May be up to 10 hours. A series of special courses designed to cover the major issues and developments in a specific area of Business Administration. Scheduled as a workshop or seminar according to purpose. Prereq: Graduate student in good standing and as indicated for specific workshop or seminar.

909V Thesis (1-6) A research project, under the substantially different or a thesis advisor in the college of Arts and Sciences, in which the student establishes his capacity to design, conduct, analyze, and interpret research. Prereq: Permission of instructor. Some topics will require more special experimental techniques. Prereq: Chemistry 450 (May be taken concurrently.)


451/851M Advanced Inorganic Chemistry (3) Theories of chemical bonding, the determination of chemical structures, and the application of modern chemical theory to real systems. Emphasis on modern techniques for problems in inorganic chemistry. Prereq: Chemistry 220L, 336. Chemistry 356 may be taken concurrently.

465/865M Biochemistry Laboratory (1) Biochemistry laboratory for Chemistry 465 and 465L. Prereq: Chemistry 465 and 465L must be taken concurrently. Prereq: Chemistry 228L, 336L and 336G with a grade of C or better.

466/866M Biochemistry (3) Continuation of Chemistry 465. Chemistry 466 must be taken concurrently with 466. Prereq: Chemistry 465, 465L with a grade of C or better.

466/866M Biochemistry Laboratory (1) Biochemistry laboratory for Chemistry 466 and 466L. Prereq: Chemistry 465 and 466L with a grade of C or better.

483/893M Special Topics in Chemistry (1-3) Selected special topics in chemistry. Prereq: Permission of instructor. Some topics will require more advanced prerequisites.

499V/899M Research in Chemistry (1-9) Independent research. To receive a passing grade the student must present a satisfactory written report. Prereq: Research project to the Chemistry faculty. Prereq: Permission of instructor.

499V Research in Chemistry (Arranged) Provides the student with an opportunity for experience in the solving of a special problem in the field of chemistry. To receive a passing grade the student must present a seminar on the research project to the Chemistry faculty. Prereq: Permission of instructor, and an under-
835M Hydraulics Engineering (3) Fundamentals of hydraulics; applications of mechanics of solids, fluids, mechanics of fluids, and engineering econ­
ompies to the design of hydraulic structures.
836M Foundation Engineering (3) Subsoil investiga­
tion and interpretation of field data, determination of bearing pressures from field and laboratory tests; determination of allowable bearing pres­
sures for settlement; design of deep foundations; pile driv­
ing analysis; control of ground water. Prereq: Civil Engineering 346; or
Graduate standing. Civil Engineering 434; or
Graduate standing.
441/841M Structural Analysis I (3) Analysis of statically indeterminate structures, including con­
stiitutive relationships, solution methods, and bound­
ary conditions. Prereq: Numerical and classical methods of analysis, including an introduction to the principles of engineering 340; or
Graduate standing.
445/845M Structural Analysis III (3) Computation of stresses resulting in statically indeterminate structures including beams, planar and three­
dimensional frames and truss systems, application of matrix anal­
gories (Finite element method), advanced computer software, and solution of indeterminate structures. Prereq: Civil Engineering 441 and
digital computer experience. Civil Engineering 445 and
graduate standing.
446/846M Steel Design I (3) A continuation of Civil Engineering 444, but directed toward build­
ing structural systems including beams and columns. Prereq: For 444, Civil Engineering 444 and
graduate standing.
447/847M Reinforced Concrete II (3) The use of reinforced concrete structures in building structural systems including beams and columns. Prereq: Civil Engineering 444 and
graduate standing.
448/848M Plastics in Building (3) The application of the basic principles of plastic materials to structural systems, plastic collapse concepts, use of plastic in building design, and plastic analysis. Prereq: Civil Engineering 447. Plastics in Building 448 and
Graduate standing.
425/825 Biomedical Analysis Laboratory (1 to 3) Determination of the chemical characteristics of water and waste water and evaluation of chemical treatment processes. Prereq: CE 226, 327 and 425 or 825 concurrently.
426/826M Environmental Pollution Control (3) An introduction to the engineering principles of the control and management of the physical and chemical characteristics of air, land and water. Prereq: Civil Engineering 340; or
Graduate standing.
462/862M Water Resources Development (3) Theory and application of systems engineering with emphasis on the simulation and evaluation of water resources systems. Prereq: Civil Engineering 345; or
Graduate standing.
467/867M Urban Transportation Planning (3) A study of methods of organization of transportation planning. Prereq: For 467, upper class standing and permission of the instructor.
472/872M Construction Techniques (3) Job planning and management; construction equipment; construction materials; construction methods. Prereq: Permission of the instructor.
474/874M Construction Cost and Controls (3) A course emphasizing accounting and construction management cost control as related to construction and construction organization. The course will present the accounting principles and concepts related to the keeping of an internal or external record accounting system. Prereq: For 474, permission of the instructor.
480/880M Reinforced Concrete (3) Principles in planning, locating and designing of reinforced concrete structures. Analysis of airport, railroad, mass transit, and pipeline systems. Prereq: For 480, senior standing. For 880M, graduate standing.
457/857M Agricultural Water Management (3) Study of the effects of water and water quality on agricultural production. Prereq: Civil Engineering 347 and
Graduate standing.
458/858M Agricultural Irrigation (3) The study of design and application of irrigation systems. Prereq: Civil Engineering 347 and
Graduate standing.
841M Communications Law (3) A discussion of laws, court decisions, constitutional issues and regulations that affect the mass media, with emphasis on libel, privacy, confidentiality of reporters' sources, prior restraint, obscenity regulation, free press/fair trial, commercial speech, broadcast regulation and intellectual property.

842M Theories of the First Amendment and Press (3) An examination of freedom of communication in the United States; the relationship between the First Amendment and the mass media; the many attempts at censorship. The course examines the philosophical and legal aspects of 'speech or press and the theories held by legal scholars. Prerequisite: Communication 440 or 441 or permission.

850M Mass Communication and Public Opinion (3) A study of the role of mass media in shaping the political opinions of the public in the United States as well as the mass media's role in the U.S. and the world. Prerequisite: Communication 440 or 441 or permission.

851M Persuasion (3) Basic principles and psychological processes underlying persuasive communication in interpersonal and mass media contexts. Prerequisite: Communication 440 or 441 or permission.

852M Mass Communication in Cross-Cultural Communication (3) This seminar will consider the principles and psychological processes underlying persuasive communication in cross-cultural situations. Prerequisite: Communication 440 or 441 or permission.

853M Contemporary Systems of Communication (3) An adaptation of General Systems Theory concepts to contemporary international communication processes with emphasis on systems analysis of contemporary international communication processes. Prerequisite: Graduate standing and majoring in Communication or permission.

855M Nonverbal Dimensions of Human Communication (3) A study of nonverbal communication in speaking and listening, paralinguistic and body language, and media mass media settings. Readings, research, and illustrative illustrations of nonverbal encoding and decoding. Prerequisite: Communication 440 or 441 or permission.

862M Directing Forensics (3) To provide students planning to teach speech in high school or college with the background necessary to direct a forensic program. Prerequisite: Communication 112 or permission.

899M/891M Seminar in Mass Communication (3) A seminar senior applying historical and theoretical perspectives to various developments in mass communications.

891M Communication Research in Cross-Cultural Communication (3) Philosophy of scientific research, including research processes, components, and products; research methods, designs, and procedures in communication; preparation of a proposal; writing research reports. Prerequisite: Basic statistics (Psy 211 or equivalent).

811V Seminar: Modern Public Address (3) Study of the role of mass media in effecting social change and public awareness, and the preparation of speeches in mass communication. Prerequisite: Consent of instructor. Course may be repeated. Permission.

830V Topical Seminar in Mass Media (3) Substantive study of specialized areas and modes of interpreting mass communications. Content will vary. Course may be repeated. Prerequisite: Communication 440 or instructor's permission.

847V Foundations Seminar: Transactional Communication. This seminar will be directed to students preparing to teach the major, minor, or advanced specialization in communication. Universities and human symbolizing processes (e.g., deictic, distorting, and generalizing) will be explored theoretically and analytically. Principles underlying the current issues in transactional (vs. Mass) communicative and cognitive processes will be explored by means of selections from recent developments and contemporary mass communications. Prerequisite: Communication 440 or instructor's permission.

850V Seminar in Communication Theory (3) Analysis of current approaches to the study of communication, with emphasis on theoretical models, and their application to various professions. Prerequisites to Communications 474V or the instructor's permission.

857V Foundations Seminar: Mass Communication (3) This seminar will be designed for students preparing to take the major, minor, or advanced specialization in mass communications. The mass communication system in the United States will be examined in light of current philosophical and legal assumptions and the current political, cultural, sociological and psychological theories relating to the process and effects of mass communication. Prerequisite: Graduate standing and majoring in Communication or permission.

859V Independent Research or Creative Projects (1.5-6) Non-Thesis projects for Communication major students. Prerequisite: Communication 440 or instructor's permission.

880M/881M Special Studies in Counseling and Guidance (1-6 each) Independent course designed to acquaint students and practitioners with recent developments in the counseling or guidance field. Course is repeatable up to a maximum of six hours credit each time the condition of this section is met. Prerequisite: Consent of instructor. (Same as C 641 and 880M.)

812M Studies in American Public Address (3) Study of public address, with emphasis on the rhetoric and historical background to develop skills in their application. Prerequisite: Comm 150 or permission.

810V Research Project in Counseling and Guidance (1-6) An integrative course designed to acquaint students and practitioners with the specifics relevant to how people make vocational choices. Prerequisites: Senior, graduate or permission.

475/875M Social Research Methods: Interpersonal and Group Process (1) This course is designed to acquaint students in the probations of teaching and counseling skills with the services the specific relates to how people make vocational choices. Prerequisites: Senior, graduate or permission.

475/875M Practical and Experiential Training in Counseling (1-2/6) An integrative course designed to acquaint students and practitioners with recent developments in the counseling and guidance field. Course is repeatable up to a maximum of six hours credit each time the condition of this section is met. Prerequisite: Consent of instructor. (Same as C 696/875M.)

498/898M Counseling Skills in Gerontology (3) This course is intended to acquaint students with the specifics relevant to how people make vocational choices. Prerequisites: Permission of department.

74 UNIVERSITY OF NEBRASKA AT OMAHA

498/898M Counseling Skills in Gerontology (3) This course is intended to acquaint students with the specifics relevant to how people make vocational choices. Prerequisites: Permission of department.

475/875M Social Research Methods: Interpersonal and Group Process (1) This course is designed to acquaint students in the probations of teaching and counseling skills with the services the specific relates to how people make vocational choices. Prerequisites: Senior, graduate or permission.

475/875M Practical and Experiential Training in Counseling (1-2/6) An integrative course designed to acquaint students and practitioners with recent developments in the counseling and guidance field. Course is repeatable up to a maximum of six hours credit each time the condition of this section is met. Prerequisite: Consent of instructor. (Same as C 696/875M.)

498/898M Counseling Skills in Gerontology (3) This course is intended to acquaint students with the specifics relevant to how people make vocational choices. Prerequisites: Permission of department.

475/875M Social Research Methods: Interpersonal and Group Process (1) This course is designed to acquaint students in the probations of teaching and counseling skills with the services the specific relates to how people make vocational choices. Prerequisites: Senior, graduate or permission.

475/875M Practical and Experiential Training in Counseling (1-2/6) An integrative course designed to acquaint students and practitioners with recent developments in the counseling and guidance field. Course is repeatable up to a maximum of six hours credit each time the condition of this section is met. Prerequisite: Consent of instructor. (Same as C 696/875M.)

498/898M Counseling Skills in Gerontology (3) This course is intended to acquaint students with the specifics relevant to how people make vocational choices. Prerequisites: Permission of department.
COUNSELING ELEMENTARY SCHOOL CHILDREN

This course is designed to provide counselors and educators with both practical and professional skills in the area of counseling young children. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Vocational Counseling (3)

This course is designed to provide counselors with a comprehensive understanding of the vocational counseling process and methods. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Counseling Internship (2-4)

A supervised field-experience that involves a qualified counselor and a guidance professor in an approved guidance program under the supervision of a counselor professor of the university. Prerequisite: Coun 820V and permission of the department.

Counseling Practicum (2-4)

A supervised field-experience that involves a qualified counselor and a guidance professor in an approved guidance program under the supervision of a counselor professor of the university. Prerequisite: Coun 820V and permission of the department.

Family Counseling (3)

A study of the methods and techniques used in family counseling theory and techniques. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Counseling With Parents (3)

A study of the methods and techniques used in family counseling theory and techniques. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Teaching of Language (3)

A study of several prominent methods of teaching language, the various nature and structure of language, the various language symbolization disorders; assessment of language, and nonverbal and pragmatic aspects of language, and the prominent methods of teaching speech reading to the hearing impaired. Also, an in-depth study of the interpersonal process and communications channel in the development of communication skills in the hearing impaired, the audiologic evaluation in educational settings, the available procedures for providing amplification to the hearing impaired, an evaluation of these procedures, and the techniques and methods employed in developing audiologic evaluation in educational settings. Prerequisite: FED 801.

Teaching Content Subjects to the Hearing Impaired (2)

A study of problems in the education of the hearing impaired; approaches to content subject instruction. Prerequisite: FED 801.

Basic Audiology (3)

This course is designed to familiarize the student with the wide array of services available to the abused/neglected child and the family.

Current Theories and Practice (3)

A study of the methods and techniques used in family counseling theory and techniques. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Counseling in Secondary Schools (3)

A study of the methods and techniques used in family counseling theory and techniques. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Counseling and Guidance, Criminal Justice, or Gerontology. Permission of instructor.

Counseling in the elementary setting under the supervision of a counseling professor of the university. Prerequisite: Coun 820V and permission of the department.

Elementary Counseling Internship (6)

Field experience in an elementary counseling program under the supervision of a counseling professor of the university. Prerequisite: Coun 820V and permission of instructor.

Group Counseling Theory and Practice (3)

A course designed primarily for counselors with a combination of the theory and experience necessary to the understanding of effective leadership skills involved in group counseling. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Counseling Practicum in Group Counseling (4)

A supervised field-experience that involves a qualified counselor and a guidance professor in an approved guidance program under the supervision of a counselor professor of the university. Prerequisite: Coun 820V and permission of the department.

History, Education and Guidance in Higher Education (3)

A course designed to familiarize the student with the wide array of services available to the abused/neglected child and the family.

Counseling and Guidance, Criminal Justice, or Gerontology. Permission of instructor.

Counseling in the elementary setting under the supervision of a counseling professor of the university. Prerequisite: Coun 820V and permission of the department.

Elementary Counseling Internship (6)

Field experience in an elementary counseling program under the supervision of a counseling professor of the university. Prerequisite: Coun 820V and permission of instructor.

Group Counseling Theory and Practice (3)

A course designed primarily for counselors with a combination of the theory and experience necessary to the understanding of effective leadership skills involved in group counseling. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Counseling Practicum in Group Counseling (4)

A supervised field-experience that involves a qualified counselor and a guidance professor in an approved guidance program under the supervision of a counselor professor of the university. Prerequisite: Coun 820V and permission of the department.

Counseling in the elementary setting under the supervision of a counseling professor of the university. Prerequisite: Coun 820V and permission of the department.

Counseling in the elementary setting under the supervision of a counseling professor of the university. Prerequisite: Coun 820V and permission of the department.

Elementary Counseling Internship (6)

Field experience in an elementary counseling program under the supervision of a counseling professor of the university. Prerequisite: Coun 820V and permission of instructor.

Group Counseling Theory and Practice (3)

A course designed primarily for counselors with a combination of the theory and experience necessary to the understanding of effective leadership skills involved in group counseling. Prerequisite: Coun 820V, Coun 820V, and Coun 827V.

Counseling Practicum in Group Counseling (4)

A supervised field-experience that involves a qualified counselor and a guidance professor in an approved guidance program under the supervision of a counselor professor of the university. Prerequisite: Coun 820V and permission of the department.

History, Education and Guidance in Higher Education (3)

A course designed to familiarize the student with the wide array of services available to the abused/neglected child and the family.

Counseling and Guidance, Criminal Justice, or Gerontology. Permission of instructor.

Counseling in the elementary setting under the supervision of a counseling professor of the university. Prerequisite: Coun 820V and permission of the department.
451/851M Basic Clinical Practicum in Speech Pathology and Audiology. Prereq: Cor: 450, 464 and 2.5 GPA. For 451, junior standing. 2.25 GPA. For 851M, senior status. 2.5 GPA.

452/852M Basic Clinical Practicum in Audiology. Prereq: Cor: 450, 464 and 2.5 GPA. For 452, junior standing. 2.25 GPA. For 852M, senior status. 2.5 GPA.

453/853M Basic Clinical Practicum in Audiology. Prereq: Cor: 450, 464 and 2.5 GPA. For 453, junior standing. 2.25 GPA. For 853M, senior status. 2.5 GPA.

455/855M Basic Clinical Practicum in Speech Pathology and Audiology. Prereq: Cor: 450, 464 and 2.5 GPA. For 455, junior standing. 2.25 GPA. For 855M, senior status. 2.5 GPA.

464/864M Methods and Materials for Developing and Implementing Individualized Educational Programs. (3) A course to provide the individual with the information and skills to design, implement, and evaluate individualized educational programs tailored to the needs of children and adolescents with special needs. The course will provide exposure to a variety of methodologies and strategies that will enable the student to develop effective educational programs. Prereq: Cor: 463 or 464 for 464/864M. For 464, junior standing and permission of instructor.

468/868M Introduction to Mental Retardation. (3) A course to communicate background information on mental retardation; the etiology of mental retardation; theories of mental retardation; the history of the field; and criteria for diagnosis of mental retardation. Prereq: Cor: 468 or 868M for 468/868M. For 468, junior standing and permission of instructor.

475/875M Child Language Disorders. (3) A course designed to cover the various problems associated with the development and acquisition of language by exceptional children; and the various methods/techniques of teaching language to exceptional children. Prereq: Special Education 442 and 2.5 GPA.

480/880M Emotional Development of Children and Adolescents. (3) A course in the emotional development of children and adolescents, and the environmental factors that affect such development. Prereq: Cor: 880M for 480 and 2.5 GPA. For 880M, permission of the instructor.

481/881M Classroom Techniques for Behavior Control. (3) A course designed to introduce the student to the use of observation, assessment, manipulation, and various classroom techniques that can be implemented in the classroom. Prereq: Cor: 881M for 481.

840V Learning Disabilities. (3) This course is designed for teachers who work with exceptional children with specific learning disabilities. The purpose of the course is to introduce teachers to the identification and selection of learning disabilities among children; the educational needs of children with learning disabilities; and screening procedures for identifying children with learning disabilities. Prereq: Cor: 840V for 840V.

841V Measurement and Evaluation of Reading. (3) A course in evaluation for advanced graduate students who will have their performance supervised and supervised through clinical reading sessions. Prereq: Cor: 841V for 841V.

844V Advanced Studies in the Disorders of Aphasia and Related Problems. (3) Types and causes of voice disorders; rationale for case selection; childhood aphasia and autism; speech sound acquisition among children with special learning disabilities. Prereq: Cor: 844V for 844V.

845V Current Practices in Speech Pathology. This course provides for study and experience in speech therapy. Prereq: Cor: 845V for 845V.

847V Speech Science III: Neuropsychology of Speech and Language. (3) A course in the neuropsychology of speech and language. Prereq: Cor: 847V for 847V.

848V Advanced Audiology. (3) This course is designed for students majoring in speech pathology. It is designed to present information pertinent to clinical certification and may qualify as diagnostic and prosthetic training. Speech pathology. It is designed to present information pertinent to clinical certification and may qualify as diagnostic and prosthetic training. Prereq: Cor: 848V for 848V.

849V Seminar in Speech Pathology. (3) This course in practicum follows the course of clinical practicum in speech pathology. It is designed to present information pertinent to clinical certification. Prereq: Cor: 849V for 849V.

851V Clinical Practice in Reading. (3) A laborato­ry and clinical course for advanced graduate students majoring in rehabilitation. Prereq: Cor: 851V for 851V.

853V Pediatric Audiology. (3) The course is designed for graduate majors in speech pathology and audiology, with an emphasis in education of the deaf. The purpose of the course is to introduce students to the criteria of speech and hearing for habilitation of the child. Prereq: Cor: 853V for 853V.

854V Advanced Practicum in Teaching Emotionally Handicapped. (3) This course is designed to meet the need for extensive field experience in teaching emotionally handicapped children. Prereq: Cor: 854V for 854V.

855V Advanced Practicum in Speech Pathology. (3) This course in practicum follows the course of clinical practicum in speech pathology. It is designed to present information pertinent to clinical certification and may qualify as diagnostic and prosthetic training. Prereq: Cor: 855V for 855V.

858V Clinical Practicum in Reading. (3) A laboratory and clinical course for advanced graduate students majoring in rehabilitation. Prereq: Cor: 858V for 858V.

864V Advanced Clinical Practicum in Speech Pathology. (3) This course will provide a practicum experience with an externship experience for practical clinical experience in either a school or a medical setting. A minimum of 45 clock hours of field experience per semester is required for each credit hour per semester. Prereq: Cor: 864V for 864V.

865V Advanced Clinical Practicum in Speech Pathology. (3) This second semester of advanced clinical practicum. The course provides for study and experience in speech therapy. Prereq: Cor: 865V for 865V.

866V Diagnostic Methods in Communicative Disorders. (3) Tests and procedures for evaluating individuals with speech disorders; prine for differential diagnosis and report writing; observation during evaluation and referral. (F) Prereq: Cor: 866V for 866V.

867V Speech Science IV: Neurology of Speech and Language. (3) A course in the neurology of speech and language. Prereq: Cor: 867V for 867V.

884V Adult Clinical Practicum in Speech Pathology. (3) A course in practicum follows the course of clinical practicum in speech pathology. It is designed to present information pertinent to clinical certification. Prereq: Cor: 884V for 884V.

885V Seminar in Speech Pathology. (3) A course designed to investigate three different areas of current concern in speech pathology; initial survey of current literature and emphasizes operations and clinical experience. Prereq: Cor: 885V for 885V.

886V Advanced Clinical Practicum in Speech Pathology. (3) The course is designed for students majoring in speech pathology. It is designed to present information pertinent to clinical certification and may qualify as diagnostic and prosthetic training, Prereq: Cor: 886V for 886V.
st udent project in one of four areas: (I) c h a llenges families
871V Parent-Professional Rel ationsh ip s
870V Se minar in Special E ducat ion
dent will research and present a p aper refl ec ti ng co urs e primarily fo r specia l ed u ca t ion majors and in Specia l Education Graduate Degree Program.
both family and professional c oncern s, and a settin g, a
867V Communi ty Services for The Handicapped
(3) An introduction to community and regional programs, alternatives to incarceration in the community setting, and of the feasibility and effectiveness of treatment of individuals under sentence in the community-based treatment system. Preptrg: CJ 435 and permission of instructor.
870V Theoretical Criminology (3) A study of the etiology of crime as a social phenomena and an objective analysis of the conference at the University of Florida, the thought which molded its development into an accepted contemporary science. Preptrg: CJ/Soc 335, graduate standing and permission of instruc-tor.
870V Seminar in The Processes of The Criminal Justice System (3) An examination of the interaction of the constituent elements of the American criminal justice system as experienced by professional and personnel interfacing. Preptrg: Permis-sion of instructor.
871V Criminal Justice (3) A course devoted to an explanation and analysis of contemporary criminal justice programs; in other words, the process including labeling, detention, incarceration and toleration, Preptrg: Permission of instructor.
872V Basic Observation and Student Teaching in Special Education (3) A second semester of classroom experience with exceptional children. Preptrg: SPED 895 and permission. For E.D. and L.D. majors, also be presented. Preptrg: Graduate Standing.
899V Seminar in Delinquency Prevention, Control and Correction (3) An inquiry into the social ramifications of the entire juvenile justice process including labeling, detention, incarceration and correction as it pertains to the effectiveness of alternate strategies of correction. Preptrg: None.
814V Criminal Justice Research Theory and Methodology (3) Research theory and methodol-o gy associated with the criminal justice information. Preptrg: Permission of instructor.
814V Independent Study (1-3) Individual projects in research, literature, review of the literature which may or may not be an extension of course work. The work will be evaluated by departmental graduate faculty members. Preptrg: Graduate hours in major department and permission of instructor.
899V Master's Thesis (1-6)
I,

883M Seminar in Dramatic subjects in theatre history from ancient to modern at students which will explore selected subjects in the relationships between dramatic form, and dialogue in the aesthetics and physical results of the seminar will change from year to year. Prereq: Permission of the instructor.

843V Seminar in Contemporary Theatre Aesthetics (3) Research and dialogue in the aesthetic theories and practices of major styles of acting from ancient to modern. Prereq: DA 101, 206, 263, or permission of the instructor.

850/851M Costume Design (Each 3) An introduction to the elements of stage costume design, including line, silhouette, movement, color, text and choreography. Emphasis on the visual presentation of designs, including considerable work in drawing and rendering technique. Prereq: DA 206-207, 351; Art 110, 121.

851M Scene Design (3) Principles of composition practiced in designing sets for the stage; the designer's approach to the play, production of ground plans and perspective and color for the stage; the designer's perspective and collaboration with actors. Prereq: DA 101, 206, 207, 263, or permission of the instructor.

857M Stage and TV Lighting (3) Characteristics and requirements for the proper use of stage lighting; and their application to the theatre and television; elementary electrical systems and control systems. Prereq: DA 101, 206, 207, 261, 263.

871M History of the Theatre to 1642 (3) A historical survey of the theatre and its literature from its origins to 1642. Prereq: 871M and 872M or permission of the instructor.

872M History of the Theatre Since 1642 (3) A historical survey of the theatre and its literature from 1642 to the present. Prereq: 871M or permission of the instructor.

878M Seminar in Theatre History (3) Selected subjects in theatre history from ancient to modern times. The seminar will be devoted to one or two subjects each year, according to the interest of the students and the instructor. Prereq: Permission of the instructor.

883M Seminar in Dramatic Literature (3) A seminar for selected and advanced undergraduate students who will explore selected subjects in dramatic literature in depth. Research papers and seminars will be required. The seminar will change from year to year. Prereq: Permission of the instructor.

84V Seminar in Play Direction (3) An indepth study of the principles of play direction. Prereq: Graduate standing and permission of instructor.

86V Technical Theatre Problems (3) Research and dialogue in the aesthetics and physical results of the relationships between dramatic form, theatre architecture, and scenic design and lighting from historical and contemporary points of view. Prereq: DA 101, 461, 467, 471, 472 or permission of instructor.

89V Dramatic Arts Research Methods (3) This course is designed to familiarize students with research techniques used in dramatic arts to basic techniques of scholarly research involving materials, defining the problem, and preparing the manuscript. Prereq: Admission to graduate studies. Prereq: Permission of the instructor.

891V Dramatic Theory and Criticism (3) For advanced students of dramatic literature. Important theoretical and critical techniques of contemporary theory. Prereq: DA 101 or permission of instructor.

892V Seminar in Contemporary Theatre Aesthetics (3) Research and dialogue in the aesthetic theories and practices of major styles of acting from ancient to modern. Prereq: DA 101, 206, 263, or permission of the instructor. Emphasis on the sources, background, and application of these styles in the theatre. Prereq: DA 101, 471, 472 and English 252 or permission of the instructor.

898V Final Project (3) Final project for Option II. Prereq: Admission to candidacy and the approval of the major professor and permission of the instructor. Spring in even-numbered years.

891V Theory of Public Finance (3) This course is designed to develop the theoretical basis of modern tax and expenditure processes at the frontier of knowledge. Prereq: Econ 320, Econ 322 and Econ 325 or permission of instructor.

895V Economic Education (I) (3) Open to any graduate student with no previous college work in economics who is teaching K-12. Not open to majors in economics. A study and examination of economic education as it can be related to the teacher's classroom presentation. This course is intended for fulltime K-12 teachers (K-12). With sufficient background and understanding of economic education issues and the teaching of economic concepts and principles.

896V Seminar in Labor Economics (3) A study and investigation of current developments and issues in the field of labor economics. Prereq: Econ 341 or permission of the instructor. Cross-listed with BA 808V. Prereq: Econ 320 or permission of instructor.

899V Seminar in Money and Banking (3) An analysis of the theory of international trade and the working of the international monetary system. Prereq: Econ 330 and Econ 426 or permission of instructor.

892V-893V Independent Study (1-6) An independent research project under the supervision of an advisor. Prereq: Graduate standing and approval of the major professor. Cross-listed with BA 808V. Prereq: BA 808V or Econ 4110M or Permission of Instructor.

84V  Seminar in Urban Economics (3) An examination of the theoretical basis for the analysis of urban economic problems and policy alternatives applicable toward their possible solution. (Also listed under geography.) Prereq: At least 6 hours of upper division coursework in economics or permission of the instructor.

88V Seminar in Urban Economics (3) An examination of the theoretical basis for the analysis of urban economic problems and policy alternatives applicable toward their possible solution. (Also listed under geography.) Prereq: At least 6 hours of upper division coursework in economics or permission of the instructor.

87V Seminar in Regional Economics (3) An examination of the current issues and problems involving regional economic development and planning. These courses provide the theoretical basis for understanding and analyzing economic problems of a regional nature. In addition, policy alternatives, decision making and public policies of regional significance are explored. Prereq: At least 6 hours of upper division coursework in economics or permission of the instructor. (Cross-listed with BA 808V)

892V-893V Independent Study (1-3) Guided independent study and research under tutorial supervision. Prereq: Graduate standing and approval of the major professor. Cross-listed with BA 808V. Prereq: BA 808V or Econ 4110M or Permission of Instructor.
Approval of the topic and the completed project by the student’s departmental committee is required. Prereq: Permission of graduate advisor.

**Educational Administration—Supervision and Foundations**

840V 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. (Same as LS 886).

860V Special Studies in Educational Administration and Supervision (1) A series of intensive courses designed for educational administrators and supervisors—scheduled as regular semester workshops, according to purpose.

880V School-Community Relations (3) This program is designed to acquaint the student with all aspects of school-community relationships. Primary emphasis will be given to study and research of principles and practices in school-community relations.

884V Supervising School Discipline (3) This course will be an 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 practiced to meet the needs of the student. Prereq: Admission to the specialist program.

885V School Finance (3) A study of the general administration and supervision of school systems as they relate to the finance of the primary, secondary, and general administration of education. Prereq: Admission to EdD 954 or EdD 847.

886V Administration of School Facilities (3) An intensive study designed to help students become acquainted with the facilities and equipment of public schools. Prereq: EdD 954 or EdD 847.

887V School Business Management (3) A study of the nature, principles and operations of budgetary procedures; financial accounting, auditing and reporting; management of personnel; and the protection and proper administration of property. Prereq: EdD 954 or EdD 847.

890V Field Project in Educational Administration (3) The study of a problem in the area of school administration, employing the techniques of research. Prereq: Admission to the Educational Administration Program.

900V Seminar in Research Design (3) A seminar designed to acquaint students with the principles of research analysis and to provide experience in the application of these principles to problems in educational administration. Prereq: Admission to EdS 954.

901V Advanced Seminar in Educational Administration (3) Participation in seminars designed to help individuals who have been admitted to candidacy for the specialist in educational degree with a major in school administration. Emphasis will be placed upon the theory and techniques of administration. Prereq: Admission in to EdS 954 or EdS 847.

911V Field Project in Educational Administration (3) A study of the problem in the area of school administration, employing the techniques of research. Prereq: Admission to EdS 954 or EdS 847.

920V Supervision Practicum (3) A practicum course for graduate students in educational administration. Prereq: Past-master’s and permission.

921V Seminar in School Leadership (3) This course is concerned with laws related to schools. Topics include certification, contract, negligence, curriculum, admission, pupil control, and transportation. Each student will be approached through study of most recent court pronouncements.

**Educational Foundations**

418/818M Mental Health (3) A study of the principles and practices conducive to good mental health and effective learning conditions. Prereq: Admission to the graduate program in the school of education.

420V Seminar in Research Design (3) A seminar designed to acquaint students with the principles of research analysis and to provide experience in the application of these principles to problems in educational administration. Prereq: Admission to EdS 954 or EdS 847.

430V Seminar in Planning and Operation (3) Includes an in-depth study of the problems of planning and operation in schools. Prereq: Admission to EdS 954 or EdS 847.

434V Seminar in the Study of School Administration (3) An intensive study of school administration with particular emphasis on the role of the school administrator as the manager of the elementary and secondary school. Prereq: Admission to EdS 954 or EdS 847.

435V Seminar in Research Design (3) A seminar designed to acquaint students with the principles of research analysis and to provide experience in the application of these principles to problems in educational administration. Prereq: Admission to EdS 954 or EdS 847.
823M Sixteenth Century Literature (3) Poetry and prose of the English renaissance, from its continental origin to the end of the Elizabethan Age.
834M Chaucer (3) A literary and linguistic study of the works of Chaucer, with emphasis on the Canterbury Tales.
840M The Age of Pope and Swift (3) Poetry, prose (exclusive of the work of Swift), and drama of England during the Restoration and the first half of the eighteenth century, with emphasis on Pope and Swift.
841M The Age of Johnson (3) Poetry, prose (exclusive of the work of Swift), and drama of England during the second half of the eighteenth century, with emphasis on Boswell and Johnson.
848M Seventeenth Century Literature (3) A study of the English poetry and prose from 1600 to 1660 including that of Ben Jonson, John Dryden, and Samuel Johnson.
850M Shakespeare's Contemporaries (3) A study of the development of the English drama, exclusive of Shakespeare, from 1580 to 1660.
855M Introduction to Linguistics (3) An introduction to the concepts and methodology of the scientific study of language, including language description, history, theory, variation, and acquisition as well as semantics, lexicography, and foreign language learning.
860M Shakespeare (3) A critical study of selected complete works of Shakespeare, including such sociolinguistics, generative semantics, applied linguistics, descriptive linguistics, teaching English as a foreign language, etc. Prereq: English 458/858M and permission of the instructor.
895M Contemporary Poetry of England and America (3) A study of the English and American poetry, the important ideas it contains, and the relevant critical theory of the contemporary period.
899V Seminar: Shakespeare (3) Critical analysis of selected works of Shakespeare. Prereq: Graduate standing or permission of instructor.
899W Seminar: Modern French Women Authors (3) An intensive study of one of more authors, genres, literary movements or literary problems not covered by regular period or genre courses. (This course may be repeated for additional credits under different topics.) Prereq: Graduate standing or permission of the instructor.
820V Seminar in Middle English Literature (3) A study of selected writings in middle English. Prereq: Graduate standing and one course in middle English language or writings.
850M Introduction to Women's Studies in Literature (3) A study of women to literature, asking what literature reveals about the identity and roles of women in various contexts, and evaluating standard interpretations of creative内容 and individual experience. Prereq: Graduate standing.
822M Middle English Literature (3) A survey of the principal writings in English, excluding those of Chaucer, from 1100 to 1500.
833M Modern French Writers, Authors (3) A comparative treatment of works by women in contemporary and recent French literature; the feminist perspective on society, politics, and human values as expressed in those works. Con­ (Same as French 486/886M). Prereq: Permission of the instructor.
885M Linguistic Variation (3) The methods and results of linguistic geography, sociological dialectology, and anthropological studies with emphasis on American English in the community and the classroom. Prereq: English 458/858M or permission.
891M Modern French Women Authors (3) An intensive study of one of more authors, genres, literary movements or literary problems not covered by regular period or genre courses. (This course may be repeated for additional credits under different topics.) Prereq: Graduate standing or permission of the instructor.
820V Seminar in Middle English Literature (3) A study of selected writings in middle English. Prereq: Graduate standing and one course in middle English language or writings.
825M Introduction to Women's Studies in Literature (3) A study of women to literature, asking what literature reveals about the identity and roles of women in various contexts, and evaluating standard interpretations of creative content and individual experience. Prereq: Graduate standing.
833M Modern French Writers, Authors (3) A comparative treatment of works by women in contemporary and recent French literature; the feminist perspective on society, politics, and human values as expressed in those works. Con­ (Same as French 486/886M). Prereq: Permission of the instructor.
885M Linguistic Variation (3) The methods and results of linguistic geography, sociological dialectology, and anthropological studies with emphasis on American English in the community and the classroom. Prereq: English 458/858M or permission.
891M Modern French Women Authors (3) An intensive study of one of more authors, genres, literary movements or literary problems not covered by regular period or genre courses. (This course may be repeated for additional credits under different topics.) Prereq: Graduate standing or permission of the instructor.
820V Seminar in Middle English Literature (3) A study of selected writings in middle English. Prereq: Graduate standing and one course in middle English language or writings.
825M Introduction to Women's Studies in Literature (3) A study of women to literature, asking what literature reveals about the identity and roles of women in various contexts, and evaluating standard interpretations of creative content and individual experience. Prereq: Graduate standing.
833M Modern French Writers, Authors (3) A comparative treatment of works by women in contemporary and recent French literature; the feminist perspective on society, politics, and human values as expressed in those works. Con­ (Same as French 486/886M). Prereq: Permission of the instructor.
885M Linguistic Variation (3) The methods and results of linguistic geography, sociological dialectology, and anthropological studies with emphasis on American English in the community and the classroom. Prereq: English 458/858M or permission.
891M Modern French Women Authors (3) An intensive study of one of more authors, genres, literary movements or literary problems not covered by regular period or genre courses. (This course may be repeated for additional credits under different topics.) Prereq: Graduate standing or permission of the instructor.
820V Seminar in Middle English Literature (3) A study of selected writings in middle English. Prereq: Graduate standing and one course in middle English language or writings.
825M Introduction to Women's Studies in Literature (3) A study of women to literature, asking what literature reveals about the identity and roles of women in various contexts, and evaluating standard interpretations of creative content and individual experience. Prereq: Graduate standing.
833M Modern French Writers, Authors (3) A comparative treatment of works by women in contemporary and recent French literature; the feminist perspective on society, politics, and human values as expressed in those works. Con­ (Same as French 486/886M). Prereq: Permission of the instructor.
885M Linguistic Variation (3) The methods and results of linguistic geography, sociological dialectology, and anthropological studies with emphasis on American English in the community and the classroom. Prereq: English 458/858M or permission.
Geography

410 / 810M Educational Geography (3) An introduction to the field of education for and about the aging. The institutions and processes of education will be examined, with an eye to understanding relationships and value to persons who are now old and those who are aging.

411 / 811M Applied Social Geography (3) An introduction to social geography with a special emphasis on the application of geographic ideas and methods to the analysis of social institutions and social participation and on examination of practical-oriented implications. Pre-requisite: Nine hours of sociology. (Same as Sociology 411)

435 / 835M Issues in Aging (3) This course is intended for students in Gerontology and in other fields who are interested in a humanistic approach to understanding and helping the elderly or the lives of older people. Pre-requisite: Graduate standing.

464 / 864M Aging and Human Behavior (3) The course examines different kinds of behavior and the social and psychological implications of variations of personality theories concerning aging will be considered. Pre-requisite: 3 hrs. gerontology.

468 / 868M Comparative Geography (3) The significance of the processes that have shaped modern concepts of climatic, dynamic, and quantitative geomorphology. Some study of quaternary and modern processes, leading to a high level of competence in the design and interpretation of maps.

817V Urban Environment in Environmental/Regional Planning (1-6) (repeatable up to 6 hours). Internship with local planning agencies enabling students to participate in the older, terminally ill person, social factors that influence the health of the aged, with particular attention to biological, social, and cultural changes that have implications for disease and health disorders. (Same as HED 455)

849V/849M Practicum in Gerontology (3) This course is intended to help develop basic counseling skills for application in gerontology. Prerequisite: Permission of instructor.

828V Counseling Older Adults (2) Designed to provide basic information counselors need for work with older adults. For Counseling and Guidance majors not specializing in Gerontology. Prerequisite: Counseling 890M, Principles of Guidance.

873V Thalassology-Sea of Death (3 hrs) An examination of theory and research relevant to the sea and other aquatic environments, focusing on communication with widows and other survivors as well as the older, terminally ill person. Graduate standing, 3 hours Gerontology, permission.

896V Directed Readings in Counseling and Gerontology (1-3) A study of recent and current literature in counseling with older adults. Prerequisite: Gero 898M (or Count 888M), Counseling major, permission.

97V Personal Values and Aging (1) Course designed to increase students' self-awareness of personal values and feelings related to aging and the aged.

987V Geropsychology (3) To become familiar with the psychology of aging from a vocational and life perspective. The focus will be on psychological research in the middle years and in later years. (Same as Psychology 549B) Prerequisites: 12 hours of psychology and/or gerontology.

Health, Physical Education and Recreation

General HPER

800V Special Studies (1-3) A series of intensive courses — scheduled as regular seminars, or
Health Education

455 / 855M Health Aspects of Aging (3) The study of problems associated with aging and their health-related consequences. Emphasis is given to diseases and disabilities that influence the health of the elderly population.

465 / 865M Health Education for Public School Personnel (3) An introduction to health education, including the development of a philosophy of health education, evaluation of programs, and the role of health education in addressing social problems.

818V Research Project (1-3) Individual or group study and analysis of specific problems in health education or recreation.

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

Recreation/Leisure Studies

413 / 813M The Revolutionary Era, 1763-1789 (3) An examination of the social, economic, and political developments leading to the American Revolution.

418 / 818M War and Reconstruction (3) An analysis of the causes and effects of the Civil War and its impact on the Reconstruction period.

421 / 821M The Early Republic, 1820-1860 (3) An exploration of the political, social, and economic changes that occurred during the early years of the American Republic.

434 / 834M The Westward Expansion, 1800-1890 (3) A study of the expansion of the United States to the Pacific Ocean.

438 / 838M American Colonial History (3) A study of the development of the English colonies.

813 / 833J American Diplomatic History (3) A study of the foreign relations of the United States.

831J American History (3) A survey of American history from the pre-Columbian era to the present.

833J American History (3) A study of American history from the pre-Columbian era to the present.

841J American History (3) A study of American history from the pre-Columbian era to the present.

847J American History (3) A study of American history from the pre-Columbian era to the present.

853J American History (3) A study of American history from the pre-Columbian era to the present.

855J American History (3) A study of American history from the pre-Columbian era to the present.

864J History of the British Empire and Commonwealth (3) A study of the political, social, and economic developments of the British Empire and Commonwealth.

865J Medieval Europe (3) A study of medieval European history, including the development of feudalism, the Crusades, and the rise of the nation-state.

871J Europe and America in the Two World Wars (3) A study of the political, social, and economic developments of Europe and America during World War I and World War II.

872J The United States in the Age of Jackson (3) A study of the political, social, and economic developments of the United States during the Jacksonian era.

873J The Age of Jackson (3) A study of the political, social, and economic developments of the United States during the Jacksonian era.

874J The Civil War (3) A study of the political, social, and economic developments of the United States during the Civil War.

875J The Reconstruction Period (3) A study of the political, social, and economic developments of the United States during the Reconstruction period.

876J The Progressive Era (3) A study of the political, social, and economic developments of the United States during the Progressive era.

877J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

878J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

879J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

880J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

881J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

882J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

883J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

884J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

885J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

886J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

887J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

888J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

889J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

890J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

891J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

892J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

893J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

894J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

895J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

896J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

897J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

898J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.

899J The New Deal (3) A study of the political, social, and economic developments of the United States during the New Deal era.

900J The Cold War and Beyond (3) A study of the political, social, and economic developments of the United States during the Cold War and its aftermath.
tance of industrialization, urbanization, immigration, and the emergence of the United States as a significant world power. Prereq: For 424, junior standing or permission of the instructor.

427/827M Twentieth Century America to 1932 (3) A history of the United States since the presidency of Franklin D. Roosevelt to the presidency in 1932. Prereq: For 427, junior standing or permission of the instructor.

428/828M Twentieth Century America Since 1932 (3) A study of the history of the United States since the presidency of Franklin D. Roosevelt to the presidency in 1932. Prereq: For 428, junior standing or permission of the instructor.

430/830M Constitutional History of The United States to 1860 (3) A history of constitutional development from the end of the nineteenth century to the presidency in 1932. Prereq: For 430, junior standing or permission of the instructor.

431/831M Constitutional History of The United States to 1860 (3) A study of the history of the United States to the presidency in 1932. Prereq: For 431, junior standing or permission of the instructor.

434/834M Historical Thought and Practice since 1860 (3) A study of the history of the United States to the presidency in 1932. Prereq: For 434, junior standing or permission of the instructor.

440 J History of the North American Indians (3) A survey of traditional North American Indian cultures, their contact with transplanted European peoples, and the continuing problems faced today. Prereq: For 440, junior standing or permission of the instructor.

443/843M American Urban History (3) Historical analysis of urban development in the United States. Special attention to the urban problems since the end of World War II. Prereq: For 443, junior standing or permission of the instructor.


451/851M The Age of Modern Europe: From The Renaissance to The French Revolution (3) A study of enduring political, religious, economic, intellectual, and artistic traditions and their historical significance. Prereq: None.

452/852M Intellectual History of Modern Europe from the French Revolution to the Present (3) A study of leading political, religious, economic, and intellectual trends and doctrines of the history of the last two centuries. Prereq: For 452, junior standing or permission of the instructor.

455/855 Nutrition Throughout the Life Cycle (3) Principles of nutrition. Comparison of the nutritional needs of various population groups. Factors involved in food habit alteration. Offered alternate years only. Prereq: FdNutr 241, 9 hours social science or permission of the instructor.

456/856M The French Revolution and Napoleon Era: 1789-1815 (3) A study of the French revolution and the Napoleonic era with particular attention to the role of constitutions in the lives of ordinary Frenchmen and women. Prereq: For 456, junior standing or permission of the instructor.

462/862M English History: From Empire to Welfare State, 1688-1990 (3) A study of continuing problems faced today. Prereq: For 462, junior standing or permission of the instructor.

478/878M Europe and the Global Revolution in Nineteenth Century Russia (3) A study of the revolution and Great Britain from the late 18th century to 1914. Prereq: For 478, junior standing or permission of the instructor.

489/899 Thesis (1, 11, S) An opportunity for directed research. Students may register for 1, 11, or S hours. Prereq: For 489, junior standing or permission of the instructor.

493/893M Computer Architecture (3) Basic digital circuits, Boolean algebra, combinatorial logic, digital storage and accessing, control functions, input-output facilities, system organization and reutilization, description and simulation techniques. Features needed for multiprogramming, multiprocessing, and real-time systems. Prereq: Math/CS 205 or Math 305, and one of CS 170 or CS 213. Prereq: Math/CS 205.


512/812J System Design and Implementation (3) Principles and techniques of the design and implementation of information systems. Hardware and software selection and evaluation. Prereq: CS 311.

521/821J Advanced Programming Techniques (3) The study of software production and quality including correctness, efficiency, and psychological factors of programming and programming. Prereq: Completion of CS 250, 251 or 252.

526/826J Special Methods (3) Solving equations and systems of equations, interpolation, numerical differentiation and integration, numerical solutions to ordinary differential equations, computer programming and numerical calculations of eigenvalues and eigenvectors, analysis of algorithms and errors, computational efficiency. Same as Math 830.

532/832J Data Structures (3) Methods of representing data on one or more devices, lists, trees, graphs, and files. Searching and sorting. Storage management. Prereq: CS 230 and 235 or one of CS 172 or 173.


542/842M Programming Languages (3) Definition of programming languages. Global and local properties of languages. Syntax, use of declarations, program design, flow, and compilation. Prereq: For 424, junior standing or permission of the instructor.


567/867J Algorithmic Combinatorics (3) Classical combinatorial algorithms, graph theory, shortest path, network flow, matching theory, extremal problems, and research in selected topics of American and British history. Prereq: FdNutr 241, 9 hours social science or permission of the instructor.

570/870M Compiler Construction (3) Assemblers, interpreters and compilers. Compiler design, compilation and linking. Use of a compiler, including compile-time and run-time symbol tables, lexical, syntax, parser, and parser generator. Prereq: CS 332 and 420. CS 450 is recommended.


581/881M Linear Programming (3) Solution of linear programming problems, simplex system, life cycle, logical design of information systems. Prereq: CS 171 or 172.

582/882M Database Systems (3) The study of software production and quality including correctness, efficiency, and psychological factors of programming and programming. Prereq: Completion of CS 250, 251 or 252.

583/883M Special Methods (3) Solving equations and systems of equations, interpolation, numerical differentiation and integration, numerical solutions to ordinary differential equations, computer programming and numerical calculations of eigenvalues and eigenvectors, analysis of algorithms and errors, computational efficiency. Same as Math 830.

584/884M Linear Programming (3) Introduction to linear programming, duality, sensitivity analysis, and applications. Prereq: CS 311.

585/885M Computer Architecture (3) Basic digital circuits, Boolean algebra, combinatorial logic, digital storage and accessing, control functions, input-output facilities, system organization and reutilization, description and simulation techniques. Features needed for multiprogramming, multiprocessing, and real-time systems. Prereq: CS 231 and 235, and one of CS 170 or CS 172. Prereq: CS 205.

586/886M Computer Architecture (3) Basic digital circuits, Boolean algebra, combinatorial logic, digital storage and accessing, control functions, input-output facilities, system organization and reutilization, description and simulation techniques. Features needed for multiprogramming, multiprocessing, and real-time systems. Prereq: CS 231 and 235, and one of CS 170 or CS 172. Prereq: CS 205.

587/887M Computer Architecture (3) Basic digital circuits, Boolean algebra, combinatorial logic, digital storage and accessing, control functions, input-output facilities, system organization and reutilization, description and simulation techniques. Features needed for multiprogramming, multiprocessing, and real-time systems. Prereq: CS 231 and 235, and one of CS 170 or CS 172. Prereq: CS 205.

588/888M Computer Architecture (3) Basic digital circuits, Boolean algebra, combinatorial logic, digital storage and accessing, control functions, input-output facilities, system organization and reutilization, description and simulation techniques. Features needed for multiprogramming, multiprocessing, and real-time systems. Prereq: CS 231 and 235, and one of CS 170 or CS 172. Prereq: CS 205.
Mathematics

308/405 Linear Algebra (3) The theory of vectors, vector spaces, linear transformations, matrices, determinants, eigenvalues, and characteristic equations. Unlike Math/CS 205, this course stresses the theoretical aspects of linear algebra. Prereq: Two semesters of Calculus and Math 201, or permission of instructor.

311/811 Abstract Algebra I (3) A brief introduction to the following topics: groups, rings, and fields. Examples and elementary proofs will be discussed. Prereq: Math 201 or permission of the instructor.

323/823 Mathematical Analysis I (3) Provides a theoretical foundation for the concepts of elementary calculus. Topics include functions of several variables, partial differentiation and multiple integration, limits and continuity in a metric space, infinite series, sequences and series of functions, power series, uniform convergence, improper integrals. Prereq: Math 205 and Math 323 or equivalent.

424/824 Mathematical Analysis II (3) Provides a rigorous development of the calculus of elementary algebra. Topics include functions of several variables, partial differentiation and multiple integration, limits and continuity in a metric space, infinite series, sequences and series of functions, power series, uniform convergence, improper integrals. Prereq: Math 205 and Math 423/823.

427/827 Complex Variables (3) Differentiation, integration and power series expansion of analytic functions. Complex numbers and stereographic projection, non-Euclidean geometries; graph theory, topology of the plane; two-dimensional manifolds; theory of dimension. Prereq: Math 203 and Math 423/823.


350/850 Selected Topics in Mathematics (1-3) This is a variable content course with selected topics in various areas of mathematics. The course may be taken more than once for credit provided topics differ, with a maximum of credit of 9 hours. Mathematics majors may apply no more

96 UNIVERSITY OF NEBRASKA AT OMAHA

"partial Differential Equations (3) Linear and nonlinear first order equations, self-adjoint elliptic equations, linear integral equations, characteristic functions, and boundary value problems. Prereq: Math 423 and 311 or equivalent.

835V-836V Theory of Analytic Functions (Each 3) Semester I: Complex numbers, analytic and harmonic functions. Semester II: Calculus of residues, entire and meromorphic functions, applications to integral equations, conformal mappings. Prereq: Math 423, 424 or 427. 835V needed for 836V.

856V Calculus of Variations (3) An introductory course devoted to the classical theory and problems, such as the brachistochrone problem or the isoperimetric problem in parametric form. Prereq: Math 423- 424.

858V Applied Complex Variables (3) Applications of complex variables to potential theory, to the Fourier and Laplace transforms, and to other fields such as ordinary differential equations, fluid dynamics, number theory, etc. Prereq: Math 427.

862V General Topology (3) An introduction to the study of topological spaces and related structures. Prereq: Math 811 or permission of the instructor.

863V Topics in Topology (3) Topics from among the following: quotient spaces, convergence, compactness, connectedness, continuity, uniform convergence, properties, homotopy, metricization, uniform spaces. Prereq: Math 862V or permission of the instructor.


872V Advanced Numerical Methods II (3) Solves a variety of problems such as the brachistochrone problem or the isoperimetric problem in parametric form. Prereq: Math 423- 424. 871V needed for 872V.


882V Advanced Numerical Methods II (3) Solves a variety of problems such as the brachistochrone problem or the isoperimetric problem in parametric form. Prereq: Math 423- 424. 881V needed for 882V.
him in a formal course. The topics studied include:

- Single linear transformations
- Vector spaces

Math 411 and permission of instructor. Math 911 required for Math 912.

- The real number system, generalized convergence, continuity, differentiation, integration, abstract measure theory, Lp spaces. Prereq: Math 423-424 or advanced calculus.

- Spectral theory of linear operators, bounded linear operators, compact operators, reflexive Banach spaces, Hilbert spaces, self adjoint operators. Prereq: Math 427 and two 800V level courses of which one must be Math 862V or 923.

Statistics

- Statistical Methods (1-3) Distributions, introduction to measures of central value and dispersion, population and sample, the normal distribution, inference: Simple population, inference: Two populations, introduction to analysis of variance. Prereq: Math 110 or 112 and 115 and 212. May be repeated without credit limit. Prereq: Permission.

- Advanced Instrumental Conducting (1-3) Conducting problems in band and orchestral literature and techniques for their solution. Prereq: Music 260 and 363 or equivalent.

- Music in the Twentieth Century (1-3) Study of representative 20th Century compositions in all performance media. Written project. Prereq: 6 hrs. of undergraduate music history and permission of instructor.

- Existentialism and Religious Thought (3) A study of existentialism in its theistic (e.g., Kierkegaard and Schleiermacher) and non-theistic (e.g., Sartre, form) aspects and its impact on recent Jewish and Christian thought.

- Readings in Religion (3) An individually organized program of readings pertinent to one or more topics subordinate to the heading of religions or religious practices. May be repeated. Prereq: Graduate standing, permission of the instructor, and no incompletes.

Physics

- Elements of Electronics (3) The background of theory, operation, and practice of electronic devices and circuits particularly as they arise in the area of communications. Both solid state and vacuum tube principles and circuits are involved. Prereq: Calculus and Physics 112 or 212.

- Modern Physics (3) The nature of light energy as discussed through studies of geometrical optics, physical optics and quantum optics. Prereq: Math 196 and Physics 112 or 212.

- Modern Developments in Physics (1880-1950) (3) A modern physics course for science teachers at the secondary level. Concepts rather than mathematical rigor is stressed. Topics include special relativity, elementary quantum mechanics, wave mechanics, basic concepts of matter. Prereq: Calculus and two 800V level courses of which one must be Math 862V or 923.

- Magnetic and Electric Theory and Magnetism and Electricity (3) An advanced discussion of electrodynamics and magnetism as a c. theory. Prereq: Calculus, Physics 325, or permission.

- Magnetic and Electric Theory and Magnetism and Electricity (3) A course in electrodynamics. Topics include Maxwell’s equations and their solution, boundary conditions, energy, momentum, and transformations of the fields. Prereq: Physics 375.

- Thermodynamics and Statistical Mechanics (3) The topics of thermodynamics include various equations of state, first and second laws, heat, work, thermodynamic potentials and their uses. In addition, an introduction to classical statistical mechanics and Fermi-Dirac statistics as well as transport phenomena is given. Prereq: Calculus and Physics 112 or 212.

- Spectroscopy (3) Behavior of materials in the solid state as concerns energy levels, wave mechanics, optical and electrical phenomena. Prereq: Calculus and Physics 325 or permission.

- Special Theory of Relativity (3) This course includes the general historical background of the special theory, its impact on recent Jewish and Christian thought. Prereq: Calculus and Physics 112 or 212.

- Atomic and Molecular Physics (3) This course is aimed at developing the special theory to atomic and molecular physics. Topics include the Schrödinger theory, solutions of square wells and simple harmonic potentials, selection rules and barriers, one electron atomic spectra, fine structure, orbit angular momentum, tensor operators, selection rules, magnetic effects, ion and covalent bonding, molecular spectra, and the Ramon effect. Prereq: Physics 112 or 212 and Physics 325 or the equivalent.

- Nuclear Physics (3) Methodology and principles of nuclear science, nuclear structure, artificial and natural radioactivity, isotopes, tracers, techniques, radiation health physics, radiation effects. Prereq: Calculus and General Physics 112 or 212.

- Astrophysics (3) Physics and theory of the physical characteristics, distribution, and space motion of stars and stellar systems; internal structure, evolution, and death of stars; structure of stellar atmospheres; interstellar matter and gaseous nebulae; structure and origin of the universe. Prereq: Physics 213 or 412 and Calculus I and II (Phys 133 is helpful).

- Quantum Mechanics (3) In this rigorous introduction to quantum mechanics the student becomes familiar with the physical postulates of the Schroedinger’s wave mechanics and Heisenberg’s matrix mechanics. Using these techniques the following topics are discussed: Wave function, quantum mechanics, matrix, elementary wave mechanics, atomic structure, basic quantum concepts of matter. Prereq: Calculus, Physics 375, or permission.

- Astrophysics (3) The physical characteristics, distribution, and space motion of stars and stellar systems; internal structure, evolution, and death of stars; structure of stellar atmospheres; interstellar matter and gaseous nebulae; structure and origin of the universe. Prereq: Physics 213 or 412 and Calculus I and II (Phys 133 is helpful).

- Quantum Mechanics (3) In this rigorous introduction to quantum mechanics the student becomes familiar with the physical postulates of the Schroedinger’s wave mechanics and Heisenberg’s matrix mechanics. Using these techniques the following topics are discussed: Wave function, quantum mechanics, matrix, elementary wave mechanics, atomic structure, basic quantum concepts of matter. Prereq: Calculus, Physics 375, or permission.

- Physics (3) The background of theory, operation, and practice of electronic devices and circuits particularly as they arise in the area of communications. Both solid state and vacuum tube principles and circuits are involved. Prereq: Calculus and Physics 112 or 212.

- Modern Physics (3) The nature of light energy as discussed through studies of geometrical optics, physical optics and quantum optics. Prereq: Math 196 and Physics 112 or 212.

- Modern Developments in Physics (1880-1950) (3) A modern physics course for science teachers at the secondary level. Concepts rather than mathematical rigor is stressed. Topics include special relativity, elementary quantum mechanics, wave mechanics, basic concepts of matter. Prereq: Calculus and two 800V level courses of which one must be Math 862V or 923.
412/812M Public Opinion and Political Behavior (3) An analysis of the processes of public opinion formation and change, the relationship between public opinion and political processes, and the effects of public opinion on the operation of the political system. Prereq: For 812M, junior standing.

417/817M Constitutional Law: Foundations (3) Examination of the principles, doctrine, and intended operation of the American constitutional system, from 1787 to the present. Emphasis on Articles of Confederation, Constitutional Convention, ratification debates, stress laid on Federalist Paper no. 10 and the Bill of Rights. Prereq: Consent of instructor. (Same as Political Science 417/817M.)

418/818M Constitutional Law: The Federal System (3) Analytical examination of American constitutional issues in light of the federal inter-state and state (Federalism) and the powers of the national government (Judicial, Congressional, and Executive).

419/819M Constitutional Law: Civil Liberties (3) Study of contemporary civil liberties under the American constitution as it pertains to civil liberties. Emphasis on 4th, 5th, 6th, 8th, 10th, 14th, and 15th Amendment cases.

420/820M International Politics of Asia (3) Analysis of contemporary relations among the Asian nations as well as their interactions with the great powers of the world, and the effects which influence the international system of Asia. Prereq: For 820M, junior standing.

421/821M Contemporary Foreign Policy of the U.S.S.R. (3) A study of the foreign policy of the U.S.S.R., with emphasis on developments since 1945. Internal and external influences on Soviet foreign policy, and the role of the major Western powers in the structure and function of the American political system. Emphasis will be on the formal institutions and informal customs with which policymakers interact in the formulation of policy. Prereq: For 821M, junior standing or permission of the instructor.

422/822M Inter-American Politics (3) Analysis of the role of Latin American states in the international system and emphasis upon development, applying and testing an explanatory theory of international politics through the study of the inter-American system. Emphasis on the regional institutional and ideological environment, power relations, politics, and international political problems. Prereq: For 822M, junior standing.

431/831M Political Theory I (3) Reviews and analyzes the leading political theories of western tradition from the Hebrews and Greeks to the mid-17th century. Prereq: For 831M, junior standing.

432/832M Political Theory II (3) Continues the review and analysis of the leading political theories of the western tradition, brings the study down to the French revolution. Prereq: For 832M, junior standing.

433/833M Political Theory III (3) Continues the review and analysis of the leading political theories of the western tradition, with emphasis on the legal and political sciences. Prereq: Political Science 431 and 432 (Political Theory I and II), bringing the study down to the present day. Prereq: For 833M, junior standing.

435/835M Democracy (3) A basic study of theory, practice, and criticisms of political democracy, its roots, development, present application and problems and future. Prereq: For 835M, junior standing.

436/836M Dictatorship (3) A basic study of the history and nature of dictatorships, their roots, development, major 20th century dictatorships, and their effects on major threats in man. Prereq: For 836M, junior standing.

437/837M Communism (3) The Marxist message, its use in political power, its world-wide extension, and the effect it poses for the world today. Emphasis on the development of the state and the means of communication and other aspects. Prereq: For 837M, junior standing.

450/850M Government and Politics of Great Brit­ain (3) A comprehensive survey of British politics and government. Emphasis will be focused on the formal institutions and informal customary practices with which policymakers interact in the formulation of policy. Prereq: For 850M, junior standing.

800V Seminar in Political Science (3) A basic study of the leading political theories of western tradition. Emphasis on the formal institutions and informal customary practices with which policymakers interact in the formulation of policy. Prereq: Permission of the instructor.

809V Readings in Political Science (3) Specially planned readings in political science for the graduate student who seeks advancement in the field of political science. Prereq: Permission of the instructor.

852V Seminar (3) An examination of the French political heritage, contemporary political institutions and problems, and political and political problems. Prereq: Consent of instructor. (Also listed under Psychology 852V.)

856V Seminar in Political Research Methods (3) A pre-seminar on selected topics based upon analysis of the literature of political science and/or primary source materials. Prereq: For 856V, junior standing or permission of the instructor.

857V Seminar in The Research Methods of Political Science and Public Administration (3) A critical examination of the methods of data collection and analysis, and of the planning of a research administration. Prereq: Permission of the graduate advisor. (Also listed under Political Science 857V.)

864V Seminar in American Government and Politi­cal Theory (3) Examination of the theoretical and practical components of the structure and function of the American political system with emphasis on American political democracy. The research by the student. Prereq: Permission of graduate advisor.

865V Seminar in Public Law (3) Practical methods of research as applied to specifically selected problems in the areas of administrative, constitutional, and/or international law. Problems studied will be selected in consultation with the course instructor, met by governmental officials, editors, and planners at the national, state, and local level. Emphasis will be varied from semester to semester in accordance with the background and objectives of the students enrolled. Three semester hours in public law or permission of advisor.

870V Seminar in International Relations (3) An examination of the theoretical and practical components of international relations. Prereq: Permission of advisor.

871V Seminar in Comparative Politics (3) An examination of the theoretical and practical components of comparative politics. Prereq: Permission of advisor.

872V Seminar in Political Theory (3) An examination of historical and contemporary political theories, with emphasis on political theory taught in Political Science 431 and 432 (Political Theory I and II), bringing the study down to the present day. Prereq: For 872V, junior standing.

875V Seminar in Public Policy (3) A basic study of problems as applied to specifically selected public policy problems. Prereq: For 875V, junior standing.

880V Independent Study in Topics in Urbanism (1-3) Independent student research on an independent topic in urbanism. Prereq: Permission of advisor. (Also listed under Political Science 880V.)

883V Independent Study in Topics in International Politics (1-3) Independent student research on an independent topic in international politics. Prereq: Permission of advisor.

884V Independent Study in Topics in Contemporary Problems (1-3) Independent student research on an independent topic in contemporary problems. Prereq: Undergraduate major in any discipline, and consent of instructor. (Also listed under Political Science 884V or International Studies 884V.)


427/827M Animal Behavior (3) Behavior of vertebrate animals with emphasis on the understanding of the relations between sensory and motor behavior manifested by the organism, as well as the coevolution and adaptation to the environment. Prereq: For 827M, junior standing. (Also listed under Biology 403 and 803.)

428/828M Animal Behavior Laboratory (1) Lab­oratory and field studies of animal behavior with an ethological emphasis. Prereq: Consent of instructor. (Also listed under Biology 428/828M.)

429/829M Advanced Research Methods in Political Science (3) An advanced examination of research methods in one of the social sciences. (Also listed under Psychology 429/829M.)

431/831M Psychological and Educational Testing (3) Theories of standardized testing. Psychological and education is considered with special reference to their construction, reliability, and validity. Prereq: Psychology 102 or 251.

433/833M Individual Differences (3) A critical study of experimental and statistical investigations of the influence of age, ancestry, sex, physical traits, and environment on individual differences in mental traits. Prereq: Psychology 101 and Psychology 241 or equivalent. Prereq: Permission of advisor.

434/834M Psychopharmacology (3) The study and design of psychoactive drugs and their effects on behavior, and current theories of their action at the cellular level. Prereq: Psychology 102 or 251.


443/843M Psychoanalytic Psychology (3) The study of the development of psychoanalytic theories and their current applications. Prereq: Permission of advisor.

444/844M Abnormal Psychology (3) A course designed to examine the aberrant behavior of individuals. Symptoms, dynamics, therapy, and prognosis of syndromes are considered. Prereq: Psychology 213 or equivalent and Psychology 343. (Also listed under Psychology 444/844M.)

445/845M Personality (3) A course designed to examine the interactions of the variables of individuals in the structure of personality. Prereq: Permission of advisor.

446/846M Personality (3) A course designed to examine the interactions of the variables of individuals in the structure of personality. Prereq: Permission of advisor.

448/848M Eastern Psychology (3) Theory and techniques of eastern psychology, with emphasis on experiential understanding. Prereq: Permission of advisor.


455/855M Retardation (3) This course considers significantly subnormal individual functioning originating during the development period, and its association with impairment in adaptive behavior. Prereq: Permission of advisor.

456/856M Environmental Psychology (3) An examination of the ways in which the environment of human beings, and its impact on behavior, and its impact on behavior. Prereq: Permission of advisor.


85V Individual Tests I (3) Administration, scoring, standardization, and interpretation of individual achievement, aptitude, and personality tests. Prereq: 16 graduate hours of psychology including completion of all required courses for the master's degree in psychology and Psychology 431/831 or 832 and admission to the psychological assistant or school psychologist program.

85V Individual Tests II (3) Administration, scoring, standardization, and interpretation of group achievement, aptitude, and personality tests. Prereq: completion of all required courses for the master's degree in psychology and Psychology 431/831 or 832 and admission to either psychological assistant or school psychologist program.

85Y Introduction to Therapeutic Techniques With Children (3) The purpose of this course is to expose the student to therapy, a technique for enhancing the adjustment and maturity of children. Prereq: Psychology 115 or consent of instructor. Prereq: Permission of instructor.

85V Learning in Children (3) A course dealing with learning in infants, children, and, for comparison purposes, adults. Research relevant to developmental differences in learning ability will be emphasized. Content areas included will be learning methodology with infants and children, learning in infancy, probability learning, transposition learning, and extinction. Prereq: Psychology 115 or consent of instructor. Prereq: Permission of instructor.

85Y Behavior Modification (3) A course in the techniques, rationale, and research literature of changing behavior through reinforcement procedures. The course will focus on learning and behavior and the manipulation, teaching, and evaluation of learning-related behaviors. Prereq: Psychology 115 or consent of instructor. Prereq: Permission of instructor.

85V Social and Personality Development (3) A study of the social and personality development of the child. Prereq: Psychology 115 or consent of instructor. Prereq: Permission of instructor.

85V Psychological Prychopathology of Youth (3)Taught by faculty members who are specialists in the area. Prereq: 16 hours of psychology, with emphasis upon diagnostic classification, refinement of approaches and techniques of assessment, and completion of problem behavior, or the equivalent recommended as a prerequisite. Prereq: Psychology 115 or equivalent recommended. Prereq: Permission of the psychology department.

86V Problems in Psychology (1-6) A faculty supervised seminar discussing current problems in library work and oral or written reports. Prereq: Written permission of the psychology department.

865V Practicum in Industrial Psychology (1-6) Faculty supervised experience in industry or business where the student will work with an employee and/or in a classroom and a job, emphasizing use of previously acquired knowledge in dealing with practical problems. Prereq: Written permission of the psychology department.

87V Practicum in Educational Psychology (1-6) Faculty-supervised experience in an educational agency (school, college, or agency) which will help the student with practical problems faced by psychologists who work in an educational setting. Prereq: Written permission of the psychology department.

87V Practicum in Developmental Psychology (1-6) Faculty-supervised experience in a setting designed to provide a practical understanding of theoretical concepts in human development. Emphasis will be placed on the interaction as a means of training, and can be directed towards the student's developmental life span (e.g., infants, preschoolers, school age, adolescents, adults, aged persons). Prereq: Psychology 856 and permission of the Developmental Psychology Area Committee.

87 Thesis (1-6) Independent research project written under supervision of a faculty committee. May be repeated up to a total of 6 hours. Prereq: Written permission of your thesis committee.

903 Seminar in Experimental Methods (1-3) A seminar on the design and conduct of experiments, including the use of a variety of research techniques and the analysis of data. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.

903 Seminar in Methodology (1-3) A course designed to introduce students to the methods of inquiry used in the study of psychological phenomena. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.

903 Seminar in Psychometrics (1-3) A seminar on the design and conduct of experiments, including the use of a variety of research techniques and the analysis of data. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.

904 Seminar in Social Psychology (3) Examination of contemporary social psychological issues in social psychology. Topics will include socialization, person perception, interpersonal attraction, leadership and group effectiveness, attitudes, attitude change, social and cultural change, intergroup relations, power and social influence. New topics will be added as they become of instructional and research interest. Prereq: 800:13, 150:1 and/or 150:156. Prereq: Permission of instructor.

906 Seminar in Personality (3) A course considering the effects of personality on individual and group performance. A historical, theoretical, psychometric, and statistical approach is emphasized. Prereq: Permission of instructor.

914 Seminar in Psychological Assessment (3) A seminar designed to provide a practical understanding of psychological assessment and testing. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.

921 Seminar in Research Design (1-3) A seminar on the design and conduct of experiments, including the use of a variety of research techniques and the analysis of data. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.

921 Seminar in Program Evaluation (1-3) A seminar on the design and conduct of experiments, including the use of a variety of research techniques and the analysis of data. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.

942 Seminar in Educational Psychology (1-3) A seminar on the design and conduct of experiments, including the use of a variety of research techniques and the analysis of data. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.

945 Seminar in Industrial Psychology (1-3) A seminar on the design and conduct of experiments, including the use of a variety of research techniques and the analysis of data. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.

946 Seminar in Clinical Psychology (1-3) A seminar on the design and conduct of experiments, including the use of a variety of research techniques and the analysis of data. Prereq: Psychology 115 or equivalent. Prereq: Permission of instructor.
Applied Behavior Analysis (3) A comprehensive introduction to experiential methodology in applied behavior analysis. Topics will include observational recording systems, reliability and validity techniques, procedural implementation of behavior modification techniques, and a broad review of the research literature. Prereq: A minimum of one year of learning theory (Psy 370, 394, or equivalent) and permission.

Laboratory in Applied Behavior Analysis (3–6 hrs) Laboratory work coordinated with Psychology 370 (Psychology 372, 382, or Psychology 383 may be taken concurrently.)

Psychology in Special Education (3–9 hrs) A course dealing with tests and techniques for evaluation of persons with special education needs. Prereq: Psychology 370. Faculty and student presentations organized.

Psychology 957L (Applied Behavior Analysis) A course dealing with the design, analysis, and interpretation of selection research and the implementation of multiple baseline designs in educational settings. Prereq: Permission of faculty advisor.

Psychology 957 (Applied Behavior Analysis) A course dealing with the design, analysis, and interpretation of selection research and the implementation of multiple baseline designs in educational settings. Prereq: Permission of faculty advisor.


Psychology 961 (Alcoholism, Morale and the Organization) The role of alcoholism in the workplace. Emphasis is on the development of management strategies to deal with the problem of public administration. Prereq: Psychology 965.

Psychology 966 (Municipal Administration) An introduction to the study of the personnel process in American government agencies. Development of interpersonal skills in problem-solving. Prereq: Graduate standing with permission of faculty advisor.

Psychology 967 (Public Administration) A seminar in the Research Methods of Political Science and Public Administration. A critical evaluation of the methods of data collection and analysis for political science and public administration. Prereq: Permission of graduate advisor.

Psychology 968 (Public Policy Analysis) Conceptualization of American cities covering such areas as finance, personnel, public works, public safety, budgeting, and political supervision. Prereq: For 842M, Pol Sci 301, junior standing. For 843M, Pol Sci 301, senior standing.

Psychology 969 (Seminar in Advanced Management Analysis) A seminar in advanced management analysis in public agencies. The emphasis is on identifying and exploring solutions to problems. Prereq: Permission of graduate advisor.

Psychology 970 (Seminar in Grants and Contracts) A seminar in the development, acquisition, and administration of grants and contracts. The course will include legal considerations, planning and strategy for applicant and awardee agencies, problems of proposal writing, budgeting, and the like. Prereq: Graduate standing with P.A. major, or permission of the instructor.

Public Administration (3-6 hrs) A course dealing with tests and techniques for evaluation of persons with special education needs. Prereq: Psychology 370. Faculty and student presentations organized.

Public Administration (3-6 hrs) A course dealing with tests and techniques for evaluation of persons with special education needs. Prereq: Psychology 370. Faculty and student presentations organized.
School of Engineering Technology

Industrial Technology

The 482/882M Contemporary Trends in Industrial Education for The World of Construction (3) is designed to introduce a new program development in industrial education, with major emphasis placed upon the world of construction curriculum. Analysis of basic construction operations and instructional delivery will be reviewed in the context of the working relationship and the functioning of specific delivery systems upon the world of manufacturing curriculum. The course is considered a system of social work intervention. The student will be exposed to the various resources utilized by these systems. Prerequisite: SW 810 or permission of instructor.

Social Work

Foundation Courses

800V Human Behavior and the Social Environment (4) A foundational course providing basic knowledge of the contributions of the biological, behavioral, and social sciences to understanding of human functioning in interaction with social structure. Prerequisite: Graduate Social Work student or permission of instructor.

805V Social Welfare Policy, Services & Analysis (4) An examination of social policy development and the functions of specific delivery systems, together with beginning policy analysis embodying enabling, reorganizing, regulatory, legal, and psychological contexts. Academic background in economics, psychology, and U.S. history is highly recommended. Prerequisite: Graduate Social Work student or permission of instructor.

Micro Practice Courses

820V Micro Intervention I (3) To provide the student with knowledge of theories and techniques in work with individuals, families, and small groups. Prerequisite: SW 817V or equivalent.

817V Social Work Practice I (3) This course is designed to provide supervised individual learning experiences, in selected social welfare agencies. It is designed to introduce the student to the beginning micro and macro social work practice. Prerequisite: SW 816V, concurrent with or subsequent to Social Work Foundation Courses.

Annual Practicum Courses

840V Advanced Social Work Practicum I (3-4) To provide individualized professional experience in micro or macro social work practice. Prerequisite: SW II 842/882M Social Welfare and Institutional Racism (3) A critical review of social work practice in health care programs, as it was, its current state, and its emergent roles, place in the future. This design of the course provides for learning in both the micro and macro aspects of health care delivery and the social worker’s role in it. The student will also be exposed to the various resources involved in the provision of health care and the administrative mechanisms that are currently utilized by these agencies. Prerequisite: SW 810 or permission of the instructor.

466/866M Social Work in Child Welfare (3) The course is designed for the advanced student as an introduction to the primary child welfare programs and services offered to children and families. This course is an interdisciplinary one, designed to help students focus on how the social work profession is responding to the unique needs of children and families. The course is of interest to students who are or who expect to be working with children and their families in social service agencies. Prerequisites: SW 814V, SW 817V or equivalents, 820V prior to or concurrent with. This course is an elective for the advanced student gaining increased utilization in developed nations including the United States. The course is offered for students working towards a Masters Degree in Social Work with an emphasis on micro social work practice. Prerequisite: Completion of social work foundation courses or permission of the School.

852V Social Work Administration (3) A study of the role of the social work administrator in the creation and administration of social service agencies of varying sizes. Prerequisite: SW 814V, SW 817V, or equivalents, or permission of instructor.

841V Advanced Social Work Practicum II (3-4) To provide individualized professional experience in micro or macro social work practice, building upon opportunities provided and competence achieved in Advanced Practicum I. Prerequisite: SW 840V.

842V Advanced Social Work Practicum III (3-4) To provide a third advanced practice opportunity in social work practice courses, or permission. This course is an elective for the advanced student gaining increased utilization in developed nations including the United States. The course is offered for students working towards a Masters Degree in Social Work with an emphasis on micro social work practice. Prerequisite: SW 841V.

810V Social Work Development (3) An analysis of the social development model for effecting social and societal change. The concept of social development was introduced by the United Nations, has been adopted by many developing nations and is gaining increased utilization in developed nations including the United States. The course is offered for students working towards a Masters Degree in Social Work with an emphasis on micro social work practice. Prerequisite: Completion of social work foundation courses or permission of the School.

853V Social Work Administration II (3) An advanced course in social planning, including administrative planning for social welfare programs, and planning for social work education. Prerequisite: SW 814V, SW 817V, or equivalents, or permission of instructor.

854V Social Work Planning (3) An advanced course in social planning, including administrative planning for social welfare programs, and planning for social work education. Prerequisite: SW 814V, SW 817V, or equivalents, or permission of instructor.

856V Supervision in Social Work (3) To provide the student with knowledge of supervision of theory and practice in micro social work practice. Prerequisite: SW 814V, SW 817V, or equivalents, or permission of instructor.

857V Social Work Practice Analysis and Implementation (3) An advanced course in policy analysis techniques, policy development and implementation, and planning for social work education. Prerequisite: SW 814V, SW 817V, or equivalents, or permission of instructor.

Social Problem/Condition Courses

460/860M Social Work in Mental Health (3) This course will include examination of a variety of mental health issues, including the relationship between social work practice and the social work practitioner. To increase the student’s understanding of the impact of racism on the behavior of both racial minorities and whites. Prerequisite: Graduate standing.

849V Clinical Seminar in Mental Health (3) Designed to give students in-depth opportunity for presentation and discussion of cases and concerns encountered by students in their training settings. Prerequisite: SW 820 or permission of instructors.

842V Alcohol Abuse and Treatment Program (3) An examination of problems and processes related to alcoholism which are common in a social work setting. Special emphasis is given...
Sociology

Anthropology

429/820M Urban Anthropology (3) The course is intended for the individual who is interested in the theoretical and methodological issues surrounding urban society. It focuses on the study of urban cultures, urban social problems, and the impact of urbanization on society. Prereq: Consent of instructor.

451/851M Applied Social Research (4) This course provides a comprehensive introduction to the principles and practices of social research, with an emphasis on quantitative methods. Prereq: Consent of instructor.

462/852M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

471/871M Sociology of Deviant Behavior (3) This course examines the social problems and social control of deviant behavior, with an emphasis on the theoretical and methodological issues surrounding deviant behavior. Prereq: Consent of instructor.

472/872M Sociology of Urban Life (3) This course examines the social problems and social control of urban life, with an emphasis on the theoretical and methodological issues surrounding urban life. Prereq: Consent of instructor.

473/873M Social Problems (3) This course examines the social problems and social control of social problems, with an emphasis on the theoretical and methodological issues surrounding social problems. Prereq: Consent of instructor.

474/874M Sociology of Deviant Behavior (3) This course examines the social problems and social control of deviant behavior, with an emphasis on the theoretical and methodological issues surrounding deviant behavior. Prereq: Consent of instructor.

475/875M Social Change (3) This course examines the social problems and social control of social change, with an emphasis on the theoretical and methodological issues surrounding social change. Prereq: Consent of instructor.

476/876M Advanced Qualitative Methods (3) This course focuses on the application of qualitative research methods to the study of social problems and social control. Prereq: Consent of instructor.

481/881M Social Change and Social Movements (3) This course examines the role of social change and social movements in society. It covers the history, theory, and praxiology of social change and social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

482/882M Social Problems and Social Movements (3) This course examines the role of social problems and social movements in society. It covers the history, theory, and praxiology of social problems and social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

483/883M Sociology of Mental Illness (3) This course examines the role of mental illness in society. It covers the history, theory, and praxiology of mental illness, with an emphasis on comparative analysis. Prereq: Consent of instructor.

484/884M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

485/885M Sociology of Religion (3) This course examines the role of religion in society. It covers the history, theory, and praxiology of religion, with an emphasis on comparative analysis. Prereq: Consent of instructor.

486/886M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

487/887M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

488/888M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

489/889M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

490/890M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

491/891M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

492/892M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

493/893M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

494/894M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

495/895M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

496/896M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

497/897M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

498/898M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.

499/899M Sociology of Social Movements (3) This course examines the role of social movements in society. It covers the history, theory, and praxiology of social movements, with an emphasis on comparative analysis. Prereq: Consent of instructor.
860V Seminar in Social Organization (3-6) A seminar focusing on the sociology of aging. Students will study the effects of aging on the individual, the family, and society, with special emphasis on relationships and interactions of these three spheres. Prereq: 805M. (Same as 110M.)

812V Seminar in Social Gerontology (3-6) A seminar dealing with the social and psychological aspects of aging. The course will examine the social, economic, and psychological factors that affect individuals of all ages. Prereq: Permission of the instructor.

899 Thesis (1-3) Guided research, a research project or term paper leading to the writing and presentation of a paper applicable to the sociology of occupations theory selected by the instructor. The course may be repeated in a student's program without implying duplication. Prereq: Permission.

899M Guidance Skills for Educators (3) This course is designed to increase teacher awareness of the social and emotional needs of gifted students. Teachers will also develop skills that will assist gifted students in meeting these developmental needs. Credit for this course may be applied in the degree program or in meeting activities in classroom situations. Prereq: ELEd 436 or SED 458 or permission of instructor. (Same as 891V and 892V.)

891V Guiding Gifted Students (3) This course is designed to introduce teachers to the theory, history, organization, and implementation of programs designed to meet the needs of the gifted. Special emphasis will be given to problems in the areas of Elementary and Secondary Education. The course is not intended for professional students. Prereq: Permission. (Same as 891V and 892V.)

892V Introduction to the Theory of Counseling (3) This course is designed to give the student a total sequential K-12 program for the gifted and talented. The course is not intended for professional students. Prereq: Permission. (Same as Counseling and Social Work 898V.)

893V Teaching the Gifted and Talented (3) This course will focus upon the identification, assessment, and development of the skills necessary for working with the intellectually gifted. The course will discuss the development of a multicultural viewpoint in relation to the process of education. Prereq: Graduate Standing.

834V Methods and Techniques for Identification and Teaching Learning Disabilities (3) The course will include a survey of current methods and techniques used in the identification of learning disabilities. The course will also include a survey of teaching methods and materials for students with learning disabilities. Prereq: 833V or permission of instructor. (Same as 833V.)

110 UNIVERSITY OF NEBRASKA AT OMAHA
895V Perspectives on Education of the Gifted

This supervised practicum in gifted education is designed to give field experience to the teacher of K-12 who are graduate students. Prereq: Admission to Graduate College.

Selection, evaluation and guidance in various fields. FED 205, 208, EIEd 319/819M Learning Materials for Early Childhood Education is designed for experienced teachers who wish to study the philosophy and various aspects of early childhood education. Prereq: permission.

Elementary Education

428/828M Literature for Children and Youth (3)
Selection, evaluation and guidance in various topics for early childhood and elementary school levels with emphasis on developing a critical awareness of the written word. FED 205,

287/873M Current Trends in Elementary Education (3)
This course is designed for persons interested for persons in the area of early childhood education and its current status at the local, national, and international levels. Prereq: Admis­
sion to teacher education, FED 205, 208, EIEd 23, 123, 235 with a GPA of 2.5.

428/828M Patterns of Parental and School Care (3) Exploration of contemporary patterns of home and school care for the young child from birth to six.

429/829M Learning Materials for Early Child­
hood Education (3) Designed to promote the development of sound criteria for use in selecting appropriate learning materials for children from three to eight years of age. (F,Su)

109Y Special Studies (2) A series of intensive courses on special topics or as a service — scheduled as regular seminars, or workshops, according to purpose.

892V Individualization of Instruction (3) This course is designed for experienced teachers who desire to study the planning and various aspects of individualization of instruction in the elementary school setting. Prereq: Admission to Graduate College.

819Y Research Project (1-3) Individual or group study and analysis of specific problems in schools.

819F Diagnostic and Corrective Instruction (3) A study of methods of diagnosing children's difficul­
ties in all subject areas of the educational program of the elementary school and corrective techniques for overcoming such difficulties.

822V Improvement of Instruction in Elementary Science (3) This course is designed for graduate students who wish to gain a greater knowledge of the subject for whom they are or will be teaching and in particular, a data base in teaching the subject for whom they are or will be teaching.

822V Improvement of Instruction in Mathematics (3) An examination of the philosophies, content, methods, and materials of modern mathematics for K-12. The emphasis in this course will be on the use of manipulatives in the classroom, the needs and backgrounds of the students enrolled during the semester are given special consideration.

822V Improvement of Instruction in Social Studies (3) This course will explore the social studies curricula and its use in the areas of speaking, writing, and listening in the K-12 classroom. The research in these areas is studied and application is made to classroom practices and to the evaluation of curriculum materials. Prereq: Admission to Graduate College.

824V Improvements in Trends in Elementary Edu­cation (3) Designed as an advanced study for the purpose of exploring the characteristics and needs of various subject matter areas of the elementary school.

825V Introduction to Curriculum Planning Elementary (3) A study of the history, philosophy and current developments in the elementary cur­riculum with an emphasis on teacher development and methods of curriculum reorganization.

824V Seminar in Student Teaching Elementary (3) A study of educational problems as they relate to the elementary school, to be taken in the last nine hours of student teaching, and 3 credit hours in the student teaching practicum.

824V Seminar in Supervision of Student Teachers Elementary (3) Designed for experienced teachers who are, or may be, serving as cooperating teachers, and who desire to study teaching, including its aims, procedures, objectives, trends and developments. Prereq: 2 years of teaching experience.

859V Workshop: Newspaper in the Classroom (3) A course in which the student teacher will use the newspaper as an aid to classroom instruc­tion. The course content is subject to the jump start of the newspaper, methods for using the newspaper, activities suitable for classroom use, and a study of available teaching materials.

875V Cataloging and Classification II (3) This course is designed for persons interested in gaining information about cataloging and classification. Prereq: Cataloging and Classification I. (3) This course is designed to develop new cataloging skills in the areas of call numbers, classification, serials cataloging, and work with Library of Congress and MARC format used by OCLC. Prereq: Cataloging and Classification I.

875V Cataloging and Classification II (3) This course is designed to develop new cataloging skills in the areas of call numbers, classification, serials cataloging, and work with Library of Congress and MARC format used by OCLC. Prereq: Cataloging and Classification I.

890F Evaluation of Educational Media (3) This course is designed for persons interested in gaining information about learning media, and particularly for graduate students in the areas of the latest techniques and curriculum changes in reading. Specifics will be described when the course is offered.

816V Teaching Adults to Read: A Course in Literacy Training (3) This course is designed for educational specialists, ABE teachers, and other individuals interested in working with adult illiter­ate populations. The major emphasis in this course will be understanding the adult learner, developing methods and procedures appropriate for teaching adults, and developing appropriate testing instruments. Prereq:

FLD 801 and one course in reading at either the graduate or undergraduate level.

911 Problems of Teaching Reading—Elementary (3) This is a beginning graduate course for both elementary and secondary teachers and is open to any student who has completed at least three years of teaching. Pre­

911V Advanced Practicum in Elementary Edu­cation (3) Advanced practicum will demand an intensive study of the individual needs of the student for whom the teacher has his/her individual needs. FLD 871V is a continuation and refinement of the quality teaching based upon his performance during the first year of teaching experience. Prereq: Permission of adviser and satisfactory completion of EEd 870V, practicum in elementary education.

985 Instr我能N设计法要求的多学困程件数。
analysis of curriculum practices

825V Problems of Group Interest and Relevance to Secondary Students: Seminar for Cooperating and Prospective Coordinators and/or Vocational Coordinators (S, SU) A seminar for teachers interested in understanding the nature and trends in secondary school curriculum development, implementation, and practices utilized in curriculum planning. Strong emphasis is placed upon current curriculum systems and their relation to the classroom setting. Specific topics include: indepth analysis of text, self-instructional methods, non-verbal behavior and simulation. Student proficiency in using observational systems using video-tape equipment. Prereq: Graduate standing.

835V Improvement of Instruction of Secondary School Foreign Language (S) This course is designed especially for the teacher who is interested in the improvement of instruction in foreign language. The course will examine a wide range of opportunities for improvement of instruction. The content includes an examination of instructional techniques and their implications for the classroom teacher.

840V Improvement of Instruction of Secondary School English Language (S) Exploration of the implications of recent sociolinguistic research to instructional improvement in the teaching of English. The course will describe and analyze past and present trends in science education including curricula, teaching-learning strategies, and instructional materials. Special emphasis will be placed on instructional materials and instructional techniques utilized in the classroom teacher.

845V Improvement of Instruction of Secondary School Social Studies (S) This seminar is designed especially for teachers who are interested in secondary school personnel instruction of the social studies. This seminar will encompass the entire field of social studies and all of its implications for the classroom teacher.

846V Simulation/Computer Laboratory for Secondary Teachers (S) This seminar will provide the ability to understand, use, and create simulation games for the classroom teacher. Prereq: Graduate standing.

847V Materials Laboratory for The Social Studies (S) Designed for prospective secondary school teachers who are interested in the development of materials for the classroom teacher. This laboratory will provide the ability to use a variety of materials and techniques utilized in the classroom teacher.

850V Seminar in Mathematics Education (S) A course designed for teachers of mathematics education in high schools. This seminar will provide the ability to understand, use, and create simulation games for the classroom teacher. Prereq: Graduate standing.

852V Foundations in Business Education (S) Designed for teachers who are interested in the development of instruction in business education. This course will provide the ability to understand, use, and create simulation games for the classroom teacher. Prereq: Graduate standing.

853V Seminar in Mathematics Education (S) A course designed for teachers of mathematics education in high schools. This seminar will provide the ability to understand, use, and create simulation games for the classroom teacher. Prereq: Graduate standing.

855V Improvement of Instruction of Secondary School Science (S) This course is designed for the secondary school teacher who is interested in the development of instruction in science education. The course will provide the ability to understand, use, and create simulation games for the classroom teacher. Prereq: Graduate standing.

870V Introduction to Special Vocational Needs Students in the Secondary School (S) This course is designed especially for the teacher who is interested in the development of instruction in special vocational needs students. This course will provide the ability to understand, use, and create simulation games for the classroom teacher. Prereq: Graduate standing.

871V Improvement of Vocational Curriculum for the Secondary School (S) This course is designed especially for the teacher who is interested in the development of instruction in vocational curriculum development and instruction. This course will provide the ability to understand, use, and create simulation games for the classroom teacher. Prereq: Graduate standing.

873V Medicine and1Health (S) This course is designed for teachers who are interested in the development of instruction in medicine and health education. This course will provide the ability to understand, use, and create simulation games for the classroom teacher. Prereq: Graduate standing.
J. SCOTT DOWNING Mathematics and Computer Science Ph.D., New Mexico State University, 1974; Associate Professor

DONALD J. GRANDENET Teacher Education Ed.D., Arizona State University, 1967; Professor

PHILIP M. TAYLOR, JR. University of Florida, 1967; Associate Professor

CASEY L. GRANGER Accounting Ph.D., University of Florida, 1973; Associate Professor

RICHARD KOHLMAN Economics Ph.D., Illinois Institute of Technology, 1969; Associate Professor

E. J. GUM History Ph.D., Louisiana State University, 1963; Professor

W. R. HAKALA (GF) Banking and Finance Ph.D., Indiana University, 1966; Professor

GORDON D. HANSEN Psychology Ph.D., University of Nebraska-Lincoln, 1972; Associate Professor

STEVE HARRINGTON Counseling and Special Education Ph.D., University of Colorado-Boulder, 1971; Associate Professor

ANNE L. HARWOOD Psychology Ph.D., University of Iowa, 1961; Associate Professor

JAMES J. HARVEY Counseling and Special Education Ph.D., East Texas State University, 1970; Associate Professor

FRANK A. HASELWOOD Teacher Education Ph.D., University of Nebraska-Lincoln, 1973; Professor

MICHAEL J. KATZ (GF) Educational Administration-Supervision and Foundations Ed.D., Stanford University, 1974; Associate Professor

JOHN K. KARLOF (GF) Mathematics and Computer Science Ph.D., University of Colorado-Boulder, 1972; Assistant Professor

MARGARET KASHER (GF) Psychology Ph.D., University of Illinois-Urbana, 1967; Associate Professor

THOMAS C. KENNEDY Educational Administration — Supervision and Foundation Ed.D., University of Oregon, 1970; Professor

BRUCE A. KIRCHHOFF (GF) Management and Organizational Behavior Ph.D., University of Utah, 1972, Professor

KENT KIRWIN (GF) Political Science Ph.D., University of Chicago, 1967; Associate Professor

EZR A. KOHN Social Work Ph.D., University of Nebraska, 1972; Associate Professor

PAUL D. KOLASA Educational Administration-Supervision and Foundations Ed.D., University of Kansas, 1973; Assistant Professor

PATRICIA KOLASA Educational Administration-Supervision and Foundations Ed.D., University of Nebraska-Lincoln, 1969; Associate Professor

JAMES K. KONVALINA (GF) Mathematics and Computer Science Ph.D., State University of New York at Buffalo, 1975; Associate Professor
JOSEPHS, WOOD Geography Ph.D., The Pennsylvania State University, 1970; Associate Professor

JANE D. WOODY Social Work Ph.D., Michigan State University, 1970; M.S.W. Western Michigan University, 1975; Associate Professor

GAYLORD H. TODD Economics Ph.D., Ohio State University, 1973; Associate Professor

ANGELA MARIA VALLE Foreign Languages Ph.D., Michigan State University, 1978; Assistant Professor

PHILIP E. Vogel Geography Ph.D., University of Nebraska-Lincoln, 1966; Professor

PERRE ALAIN VON KAENEL Mathematics Ph.D., Syracuse University, 1970; Assistant Professor

WILLIAM O. WAREFIELD Criminal Justice Ph.D., South Dakota State University, 1976; Associate Professor

SAMUEL E. WALKER (GF) Criminal Justice Ph.D., Ohio State University, 1973; Associate Professor

JESSE D. WALSH English Ph.D., University of Nebraska-Lincoln, 1975; Professor

TSENG-CHEN WANG Mathematics and Computer Science Ph.D., Lehigh University, 1978; Assistant Professor

JOHN W. WANZENREID Communication Ph.D., University of Nebraska-Lincoln, 1974; Associate Professor

BLAINE E. WARD Educational Administration-Supervision and Foundations Ed.D., University of South Dakota, 1965; Associate Professor

SHIRLEY A. WASKEL, GERONTOLOGY Ph.D., University of Nebraska — Lincoln, 1979; Assistant Professor

FLOYD T. WATERMAN (GF) Educational Administration-Supervision and Foundations Ed.D., Columbia University, 1965; Professor

VINCENT WEBB Criminal Justice Ph.D., Iowa State University, 1973; Assistant Professor

A. THOMAS WEBER Biology Ph.D., University of Wisconsin-Madison, 1970; Associate Professor

DEL WEBER Educational Administration-Supervision and Foundations Ed.D., University of Nebraska-Lincoln, 1967; Professor

DANIEL WHEELER Teacher Education Ph.D., State University of New York at Buffalo, 1971; Associate Professor

WAYNE WHEELER (GF) Sociology Ph.D., University of Minnesota-Columbus, 1939; Professor

RICHARD L. WIKOFF (GF) Psychology Ph.D., Oklahoma State University, 1965; Professor

MARY E. WILLIAMSON Communication Ph.D., University of Missouri-Columbia, 1972; Associate Professor

R. WAYNE WILSON Real Estate and Land Use Economics J.D., University of Illinois-Urbana, 1947; Professor

JAMES K. WOOD Chemistry Ph.D., Ohio State University, 1969; Associate Professor

JAMES M. WOOD Counseling and Special Education Ph.D., University of Utah, 1966; Professor

RICHARD TIPPING Economics Ph.D., University of Wisconsin-Madison, 1970; Associate Professor

YVONNE TIXIER VIGIL Teacher Education Ph.D., University of Oklahoma — Norman, 1979; Professor

LARRY R. TRUSSELL (GF) Accounting Ph.D., University of Arkansas, 1969; Professor

KEITH K. TURNER Economics Ph.D., University of Pennsylvania, 1969; Assistant Professor

FRANK ZAHN (GF) Econometrics Ph.D., University of California, Santa Barbara, 1981; Professor

LUCILLE ZELINSKY Social Work M.S.W., Wayne State University, 1947; Associate Professor

RAYMOND A. ZIEGMAERT Teacher Education Ph.D., University of Minnesota-Minneapolis, 1965; Professor

LUCILLE ZELINSKY (Joint Appointment with College of Medicine)

JOSEPHS, WOOD (Joint Appointment with College of Medicine)

CAROL R. ANGEL Psychology M.D., Cornell University Medical College, 1951; Professor

KENNETH BERRY Psychology Ph.D., Texas Christian University, 1964; Associate Professor of Medical Psychology

KAREN S. BUDI (GF) Psychology Ph.D., University of Kansas, 1975; Associate Professor

ROBERT J. ELLINGSON (GF) Psychology Ph.D., Northwestern University, 1930; M.D., University of Nebraska-Lincoln, 1963; Professor

ALAN J. FIX Psychology Ph.D., SUNY at Buffalo, 1969; Associate Professor

CHARLES GOLDEN (GF) Psychology Ph.D., University of Hawaii, 1975; Associate Professor

J. MICHAEL LEIBowitz (GF) Psychology Ph.D., University of Maryland, 1974; Associate Professor

CORNELIA ROBINSON Psychology Counseling and Special Education Ph.D., George Peabody College for Teachers, 1973; Associate Professor

JORGE F. RODRIGUEZ-SIERRA Psychology Ph.D., Rutgers University, 1976; Assistant Professor

JOHN W. RORHBAUGH 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 (GF) Psychology Ph.D., University of Nebraska-Lincoln, 1961; Associate Professor

WILLIAM M. WOOD Psychology Ph.D., University of North Carolina, 1967; Assistant Professor

GRADUATE FACULTY (Joint Appointment with College of Medicine)

GRADUATE FACULTY MEMBERS

GRADUATE FACULTY (Union Pacific Railroad)

GRADUATE FACULTY (Boys Town)
Administrative Staff

Larry M. Albertson: Chairperson, Teacher Education
David M. Ambrose: Chairperson, Marketing
Sunny Andrews: Director, Social Work
Ott F. Bauer: Vice Chancellor of Academic Affairs
Eugene C. Beckman: Director, Business Services
Joseph V. Benke: Chairperson, Civil Engineering
Robert E. Bernier: Chairperson, Nebraska Business Development Center
David Buehmann: Chairperson, Accounting
Gary L. Carrico: Chairperson, Business and Finance
J. Brad Chapman: Associate Dean, College of Business Administration
Hugh P. Cawin: Chairperson, Communication
James G. Czecklich: Chairperson, Art
Harold Davis: Chairperson, College of Engineering and Technology
Joe Davis: Chairperson, Business, Vice Chairperson, Student Development Services
Kenneth Deffendorf: Chairperson, Psychology
Charles P. Downey: Chairperson, Mathematics and Computer Science
Richard C. Duggin: Chairperson, Writers Workshop
Robert S. Egbert: Chairperson, Biology
John T. Ferris: Associate Vice Chancellor for Academic Affairs
John W. Flocken: Chairperson, Physics
Richard B. Flynn: Director, School of Health, Phys. Ed. & Rec.
Roger Forlizzi: Chairperson, Music
Frank S. Forbes: Chairperson, Law and Society
Margaret Gassman: Chairperson, Dean, Graduate Studies and Research
Charles R. Gildelevie: Chairperson, Geography-Geology
Thomas Geutte: Director, International Studies & Programs
Alan S. Hesk: Dean, College of Continuing Studies
Donald R. Hulka: Chairperson, Banking and Finance
Gordon D. Husted: Associate Dean, College of Arts and Sciences
Roger Hayes: Chairperson, Chairperson, Decision Sciences
J. Stephen Hazel: Associate Dean, College of Education
Ehline Hess: Associate Vice Chancellor for Academic Affairs
Jack Hill: Chairperson, General Business
David W. Hinton: Associate Dean, College of Public Affairs & Community Service
Roger Hoburg: Chairperson, Chemistry
Richard E. Hoover: Vice Chancellor, Educational and Student Services
William Hesk: Chairperson, Business
G. Vaugn Johnson: Chairperson, Management and Organizational Behavior
John E. Kiernan: Chairperson, Dean, College of Public Affairs and Community Service
Kent Kirwan: Chairperson, Political Science
Julien Lakanal: Chairperson, Black Studies
Fred Layberger: Associate Dean, College of Business Administration
Donald E. Leath: Associate Director, Intercollegiate Athletics
Harvey R. Lesit: Director, Human Resources
Jim Leslie: Associate Dean, Business
W. Boyd Littrell: Alumni Association
Nila S. Magdanz: Chairperson, Sociology
James Maynard: Director, Institutional Research
Kenneth G. Merkel: Chairperson, Industrial Systems Tech.
John A. Moore: Associate Vice Chancellor for Business & Director of Finance
Neil A. Morgenson: Director, Plant Operations
Gordon Mundell: Chairperson, Engineering
Donald A. Myers: Associate Dean
John M. Newton: Chairperson, College of Education
Tom Norwood: Associate Dean, College of Arts and Sciences
Rodney L. Oberle: Director, Personnel Services
Robert Ruettz: Assistant Dean, College of Fine Arts
Donald W. Peterson: Director, Broadcasting
Oliver B. Pollard: Director, History
Janet B. Porter: Acting Chairperson, Criminal Justice
Herb Price: Director, University Relations
Ronald R. Pullin: Director, Audio-Visual
John H. Redlitz: Chairperson, Library Collections Dept.
Robert S. Runyon: Director, University Library
INDEX

A
Absences from class ........................................ 17
Accredited standing ........................................... 9
Administrative officers ....................................... 2
Admission Classification ..................................... 12
Unconditional .................................................... 13
Provisional ....................................................... 13
Unclassified ..................................................... 13
Temporary ....................................................... 14
Admission Fee-Graduate ..................................... 17
Appeals Procedure ............................................ 17
Applications:
For Admission to Graduate Study ....................... 11
For Candidacy for the Degree ............................. 14
For the Degree ................................................ 15
Assistantships, graduate .................................. 26
Audit ............................................................. 20
B
Beta Gamma Sigma, National Business Honoray ... 28
Board of Regents ............................................. 3
C
Calendar for 1981-82 ........................................ 5
Candidacy for degree ........................................ 14
Certificate Administrative .................................. 49
English ........................................................... 49
Gerontology ..................................................... 50
School Psychologist .......................................... 57
Change of Majors ............................................. 17
Class Attendance .............................................. 17
Commencement Exercises (consult calendar) ........ 17
Comprehensive examinations ............................. 15
Courses for Graduate credit ................................ 19
Course offerings (consult table of contents — course descriptions) .............................. 3
D
Degree programs .............................................. 10
Degree Requirements (consult table of contents) .... 3
Departments offering graduate instruction .............. 3
Dropping courses ............................................. 19
E
Examinations for Graduate Students .....................
Graduate Record Examination .............................
Graduate Management Admissions Test ................
The Test of English as a Foreign Language ..........
Miller Analogies Test ........................................
F
Faculty, Graduate ............................................ 17
Fees ................................................................. 20
G
Grades, standard of ......................................... 18
Graduate Assistantships ..................................... 29
Graduate Council ............................................ 29
Graduate Faculty Fellows ................................... 28
Graduate Faculty Members ................................ 28
Graduate Management Admissions Test ............... 12

U
Unclassified Students ....................................... 13
University Regulations ...................................... 11
University Research Committee ......................... 29
W
Withdrawal .................................................... 20

INDEX

T
Test of English as a Foreign Language ................... 12
Thesis ............................................................. 15
Time Limit for Graduate Degrees ....................... 20
Transcripts of undergraduate and graduate credit for admission ........................................ 12
Transfer of Credit ............................................. 19
Traveling Scholar Program ................................ 27
Tuition and fees .............................................. 20
Tuition Waivers ................................................ 27