Graduate Academic Catalog (1980-1981)

University of Nebraska at Omaha
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### COLLEGES

### TABLE OF CONTENTS

#### Administration

- TABLE OF CONTENTS .......................... 2  
- Calendar ................................ 3  
- Departments Offering Graduate Instruction ........................................... 7

#### General Information

- Graduate Studies at UNO ........................................... 9  
- Accredited Programs ........................................... 9  
- Equal Opportunity/Affirmative Action Policy Statement ........................................... 9  
- Privacy Act ........................................... 10  
- Degree Programs ........................................... 10  
- University Regulations ........................................... 10  
- Admission and Transcripts ........................................... 12  
- Matriculation Fee ........................................... 12  
- Examinations for Graduate Students ........................................... 11  
- Classification of Admission ........................................... 12  
- Certification or Professional Growth ........................................... 12  
- Transfer of Credit ........................................... 12  
- Change of Major ........................................... 12  
- Policy on Class Attendance ........................................... 12

#### Departments Offering Graduate Instruction

- Admissions Procedure ........................................... 17  
- Appeal Procedure ........................................... 17  
- Ombudsman Office ........................................... 18  
- Study Load ........................................... 18  
- Dropping and Auditing Courses ........................................... 18  
- Courses for Graduate Credit ........................................... 18  
- Residence Requirements ........................................... 18  
- Transfer of Credit ........................................... 18  
- Withdrawal from the University ........................................... 19  
- Time Limit for Graduate Degrees ........................................... 19  
- Tuition, Fees, Deposits and Refunds ........................................... 19  
- Student Development Services ........................................... 22  
- Financial Aid for Graduate Students ........................................... 22  
- Organizations ........................................... 25  
- Administration for Graduate Studies ........................................... 25  
- Faculty Senate Research ........................................... 26  
- Extramural Grants ........................................... 26  
- Center for Urban Education ........................................... 28  
- Policy on Plagiarism ........................................... 28  
- Policy on Ethical Conduct ........................................... 28  
- Summary Procedure for Graduate Students ........................................... 29

#### Degree and Certificate Requirements

- Biology ........................................... 31  
- Business Administration ........................................... 31  
- Civil Engineering ........................................... 34  
- Communication ........................................... 34  
- Counseling and Guidance ........................................... 35  
- Criminal Justice ........................................... 36  
- Dramatic Arts ........................................... 38  
- Economics ........................................... 38  
- Educational Administration and Supervision ........................................... 39  
- Educational Foundations ........................................... 39  
- Elementary and Early Childhood Education ........................................... 41  
- English ........................................... 42  
- General Science ........................................... 43  
- Geography and Geology ........................................... 43  
- Gerontology ........................................... 43  
- Health, Physical Education and Recreation ........................................... 44  
- History ........................................... 45  
- Home Economics ........................................... 46
ACADEMIC CALENDAR

First Semester 1980-81

July 11
Last day for submitting credentials for admission to Graduate Studies for First Semester 1980-81.

July 14-Aug. 29
Orientation.

Aug. 20-21, 22
First semester begins at 7:00 a.m. both day and evening classes.

Aug. 24
Change of class schedules.

Aug. 28
Last day until 4:00 p.m.: Add a course to student's schedule; Add an "audit" course; Change to "CR/NC" grade in a course.

Sept. 1
Vacation; no classes. University closed.

Sept. 2
Vacation; no classes.

Oct. 6
Last day for filing applications for degrees to be conferred in December.

Oct. 17
Due: Mid-term (8th week) report from faculty of grades under C for all undergraduates.

Nov. 7
Last day until 4:00 p.m.: 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. 26-30
University closed.

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

Dec. 12
Last day for submitting credentials for admission to Graduate Studies for First Semester 1980-81.

Dec. 13-19
Last day of classes.

Dec. 20
Finals.

Dec. 25, 26
Christmas Holiday; University closed.

Dec. 29-Jan. 2
Grades due in Registrar's Office at 12:00 noon.

Second Semester 1980-81

Jan. 1
Holidays. University closed.

Jan. 2
Last day for submitting credentials for admission in undergraduate college for the Second Semester 1980-81.

Jan. 9-13
Orientation.

Jan. 9
Registration (Fieldhouse)

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

Jan. 16
Change of class schedules.

March 6
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 27
Last day until 4:00 p.m.: 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
Spring vacation; no classes.

April 13
Classes resume at 7:00 a.m.

April 14
Last day for submitting credentials for admission to Graduate Studies for the Evening Summer Session 80-81.

April 23
Status report for all prospective graduating students due in Registrar's Office at 12:00 noon.

May 1
Last day of classes.

May 3-8
Commencement.

May 9
Last day for filing credentials for admission to Graduate Studies for the First Summer Session, 1981.

May 13
Graduates due in Registrar's Office by 12:00 noon.

Memorial Day: University closed.

Inter-session

Special course offerings.
Summer Session 1981

May 18-July 10  Evening Session.
May 28  Last day for submitting credentials for admission to an undergraduate college.
June 3  Registration.
June 8-10  Change of class schedules.
June 11 First Summer Session.
June 28  Last day for submitting credentials for admission to Graduate Studies for the Second Summer Session 1981.
July 4  Holiday; University closed.
July 6  Last day for filing applications for degrees to be conferred August 15, 1981.
July 11  Last day for submitting credentials for admission to Graduate Studies for the Fall Semester 81-82.
July 30  Last day for submitting credentials for admission to an undergraduate college for the Fall Semester 81-82.
July 31  Status report for all prospective graduating students due in Registrar's Office by 12:00 noon.
Aug. 15  Summer Commencement.
Aug. 19  Final grades due in Registrar's Office by 12:00 noon.

*The above dates are subject to change.
**Modifications to 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:

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<th>DEPARTMENT OR AREA</th>
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*English as a second language.
**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 Measurement Department, UN-L.
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 became Deans for Graduate Studies and Research and report to the Dean of the Graduate College.

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

Qualified students at UNO are provided with opportunities:

1. To work toward these degrees: Master of Arts, Master of Arts for Teachers of Mathematics, Master of Science, Master of Business Administration, Master of Public Administration, Master of Social Work, and Specialist in Education.
2. To earn graduate credit for the issuance or renewal of certificates for teachers, administrators and educational psychologists.
3. To provide for scholarly and professional advancement.

To enable the student to attain these objectives, Graduate Studies at UNO provide graduate courses, workshops, institutes, seminars, practice research and special problems courses, and the supervision of these 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 (for undergraduate programs), and the American Chemical Society. Its courses are accepted for purposes of teacher certification by the Nebraska State Department of Education.

Course credits from the University of Nebraska at Omaha are accepted by other colleges and universities which are members of the North Central Association and by other regional accrediting agencies.

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION POLICY STATEMENT

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

The University of Nebraska at Omaha declares and reaffirms a policy of administering all of its educational programs and related supporting services and benefits to a manner which does not discriminate on the basis of race, color, creed or religion, sex, 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 federal, state, and local laws relating to equal educational opportunity and affirmative action, specifically those addressing the obligations of the institution under Title VI of the Civil Rights Act of 1964 as amended, Title IX of the Education Amendments of 1972, and Sections 503 and 504 of the Rehabilitation Act of 1973.

PRIVACY ACT

In compliance with the Family Education Rights and Privacy Act of 1974, the University of Nebraska at Omaha guarantees students access to official records directly related to students and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading, or otherwise inappropriate. The institution must obtain the written consent of students before releasing identifiable data about students from records other than a special list of exceptions, and that students must be notified of these rights.

An explanation of this Act and its application at UNO is available to all students, copies of which may be obtained at the Office of Student Activities, the University Information Center, the 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 predmission 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 as approved by the Graduate Faculty will normally be arranged to conform to one of the following patterns:

- Option I: A 30 semester-hour program (maximum of 6-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 program for education majors with more depth in mathematics combined with a core of relevant professional courses in education.

Master of Business Administration Degree

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

Master of Public Administration Degree

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

Master of Social Work

The Master's degree in social work is a professional degree which trains practitioners in developing skills for responsible practice in a wide variety of social service roles and settings.

Specialist in Education Degree

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

UNIVERSITY REGULATIONS

The University and its various colleges, divisions, and departments reserve the right to change the regulations controlling admission, instruction, and graduation from the University or its various divisions.

Such regulations are operative whenever the University authorities deem necessary and apply not only to prospective students but also to those currently enrolled in the University.

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

UNIVERSITY OF NEBRASKA AT OMAHA

Efforts will be made to enable students who maintain continuity in pursuing their degrees to follow the policies and requirements in effect at the time of their enrollment on campus ("Continuity" means that the student is enrolled in both semesters of every academic year or in all at least one session every summer until all requirements for the degree have been satisfied). All students are, however, responsible for consulting their major advisers and checking on any changes promulgated. The Graduate College reserves the right to alter policies, practices, and requirements as would benefit the student through academic standards.

The student is advised to be familiar with the academic regulations of the University and the Graduate College, and the student is expected to assume full responsibility for knowing the requirements and for meeting all academic requirements. The student is responsible for complying with all regulations of the University, its various divisions, and the departments of instruction, and for meeting any financial requirements. The advisor should be consulted whenever there is a question concerning degree requirements.

PROCEDURES AND REGULATIONS

Admission and Transcripts

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

Foreign students must provide letters of recommendation, statements of financial independence, and evidence of ability to speak and write the English language. The baccalaureate degree must have been received from an institution accredited by the proper accrediting agencies.

New students should correspond with, or go directly to, the Director of Admissions in order to apply for admission. Each new student will be required to file with the Director of Admissions:

1. An application for graduate study at the University of Nebraska at Omaha.
2. One (1) official transcript of all undergraduate (and graduate, if any) college work previously taken. Transcripts and other materials submitted in support of an application become the property of the University and will not be returned.
3. Scores on the GRE and the Miller Analogies Test, which are used by various departments to provide valuable evidence of a student's qualifications for graduate work and are helpful in placing students in graduate courses.

NOTE: For consideration for the Fall, Spring, Evening Summer, First Summer or Second Summer term, above credentials must be received by July 15, December 15, April 15, May 15 or June 15 respectively. Those wanting to be considered for admission to the program in counseling and guidance should see page 35 for separate deadlines.

SCORES ON THE GMAT

Scores of the Graduate Record Examination, Miller Analogies Test or Graduate Management Admission Test must be filed in the Graduate Office.

The test required and the minimum scores are dependent upon the department in which the student intends to enroll.

Admission to Graduate Study does not admit the student to candidacy for any graduate degree. (See "Admission to Candidacy for Graduate Degrees.") The University reserves the right to change the regulations included in this Catalog with respect to admission to graduate Study, the continuance of graduate study, and the granting of a degree.

MATRICULATION FEE

A matriculation fee of $10 is payable upon initial enrollment in Graduate Studies. This fee is not refundable.

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 placing courses of graduate studies.

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, or the Graduate Office, Adm. 283. A nominal fee is charged for these examinations.
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 it previously and have made the scores available to 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. The examination is not used to exclude admission at the Masters level. A student who has not taken the GRE prior to application for admission to Graduate Studies but who is judged from 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 studied.

A Graduate Studies applicant already holding a Master's degree in the field in which he or she wishes to pursue further study and not enrolling into a degree program is not required to take the Graduate Record Examination.

Students who wish to be admitted to Psychology Department programs are required to submit GRE scores for verbal, quantitative and advanced psychology test. Miller Analogies Test. This test is administered on an individual basis; an appointment to sit for the test may be scheduled through the Counseling and Testing Center.

The Counseling and Guidance Department requires those wishing to pursue a degree program in counseling to take admissions tests in addition to the Graduate Record Examination (see page 33).

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 and Supervision may take the Miller Analogies Test in lieu of the Graduate Record Examination. Students entering in the Master Education must take the Miller Analogies Test. This test is administered on an individual basis; an appointment to sit for the test may be scheduled through the Counseling and Testing Center.

The Test of English as a Foreign Language

The Test of English as a Foreign Language (TOEFL) scores must be on file in the Director of Admissions Office before an application for admission to Graduate Studies is mailed to a foreign student who desires to enroll for graduate work at UNO. This provision does not apply to those foreign students whose native language is English.

CLASSIFICATION OF ADMISSION

All recommendations for any type of admission are subject to the approval of the Dean for Graduate Studies and Research.

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 15 semester hours of graduate work that meet specific requirements of the departments in his graduate major and minor. In addition to the specified transcript record, appropriate scores of the Graduate Record Examination, Miller Analogies Test, or the Graduate Management Admissions Test must be submitted to the Dean for Graduate Studies and Research.

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 undergraduate prerequisite course requirements for admission to graduate study. This provisional status will continue until such time as the student has completed all of the undergraduate prerequisites for 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 Chairman 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 for the purpose of matriculation, maturity, and experience, or other extenuating circumstances under which the student may be deemed capable of high quality graduate study. This provision allows the student to successfully demonstrate his or her qualifications and abilities for the major department and the Dean his or her ability to pursue graduate study.

A student provisionally admitted to graduate study who has been granted from unaccredited institutions meets the requirements of provisional admission. Unconditional status may be attained upon completion of twelve semester hours of graduate courses with at least a B average. 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.

A student may not apply for admission to candidacy for any degree until he has met the requirements of unconditional admission to graduate study. No more than twelve semester hours credit may be earned within the University of Nebraska System while under Provisional Admission status from special approval from the Dean for Graduate Studies and Research.

Non Degree

Some students who do not anticipate pursuing a degree program may be admitted to study as non degree students. This classification includes:

1. graduate students taking courses for teacher certification
2. graduate students taking courses for professional growth
3. graduate students taking courses for cultural advancement
4. graduate students taking courses for other institutional transfer

The Counseling and Guidance Department requires those wishing to pursue a degree program in counseling to take admissions tests in addition to the Graduate Record Examination (see page 33).

CREDENTIALS FOR ADMISSION TO GRADUATE STUDIES

An applicant for admission to the Master of Business Administration program must have a Bachelor's degree in the fields of education or Business Administration.

Students who plan to work for the Master's degree with a major in one of the fields of education must hold a valid teaching certificate or be eligible for such a certificate at the undergraduate level before entering the program. For certification requirements, communicate with the Office of the Dean in the College of Education.

CERTIFICATION OR PROFESSIONAL GROWTH

Students who wish to take courses for graduate credit to be used for teacher certification or professional growth must meet the same admission requirements as other graduate students. They must also make application for admission to the Master of Business Administration program.

TEMPORARY ADMISSION

When unexpected circumstances preclude processing applications for Unconditional, Provisional or Non Degree status, the Dean for Graduate Studies and Research may issue a Temporary Admission while the student is filing the required forms and sufficient information is submitted for the regular admission categories within eight weeks of the beginning of the academic term (two weeks in summer sessions) or until the deadline as is required by the student to complete their academic requirements. A student using the Temporary Admission Form is registering at his/her own risk. If a student is not enrolled in classes when the deadline for the application and transcripts are received by the Dean, the student may be denied admission after the transcripts have been evaluated. If this happens, his/her enrollment will be cancelled.
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 to the members of the department for appointment by the Dean for Graduate Studies and Research. Each new department the Graduate Program Committee has the responsibility for planning 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 supervisory or research committee, the composition of the committee shall be recommended to the Dean for Graduate Studies and Research by the chairpersons of the student's Graduate Program Committee after consultation with 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 adviser and 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 as officers (without vote) as graduate consultants. For other students, the examination is written one. For those candidates writing a thesis, the final comprehensive examination may be either written or oral at the option of the department concerned. If written, it must be arranged at the convenience of the major adviser. If oral, it should be arranged at the time of the oral examination over the thesis, at which time one-half of the examination may be devoted to the courses taken by the candidate and one-half to the thesis.

For the degree Master of Business Administration, the course BA 880 is required in lieu of a final comprehensive examination.

If the course work has been of very high quality the minor adviser may suggest to the student's committee that the candidate be excused from the comprehensive examination covering the minor field. This does not prejudice the privilege of the minor professor giving a comprehensive if the professor so desires. The minor comprehensive is given at a date arranged at the convenience of both the major and the minor adviser but falling within the limits established for all comprehensive examinations.

Most graduate departments require students to register for the comprehensive examination at the time of the final enrollment; however, students should check with their advisers early in their programs to determine departmental policy concerning the administration of the written comprehensive examination. (Note: In most departments, students who plan degree program completion in August should register for the comprehensive examination in the preceding June.)

Results of comprehensive examinations must be submitted to the Graduate Office by the department chairperson no later than twelve working days before commencement.

THESIS

Students electing to pursue the Option I degree program described on page 9 are required to prepare a thesis under the direction of the major adviser supervised by a committee. The committee provides an opportunity for the student to acquire first-hand experience in research methods under competent direction. Up to six hours of credit is allowed for the thesis and the candidate must include the thesis as coursework in his/her degree program.

It is the responsibility of the student to be familiar with the "Instructions for the Preparation of Theses" as stated in the Graduate Catalog and to arrange with the major adviser for 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 copies no later than twelve working days prior to the commencement.

The cost of binding three copies (see Fees) must be paid by the candidate at the time the thesis is registered in final form to the Cashier's 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 composition of a committee to approve the 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 comprehensive oral examinations are 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 on or before the final written and oral examinations. The student must also at least twelve working days prior to the date the thesis is to be completed. The above quality of work standards also apply to non-degree students.

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

-- 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, hardship, or death in the immediate family, is unable to complete the requirements of the course 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, how and when by and when the Incomplete is to be removed, and if he/she will be in attendance at the time of the removal, supervise the makeup work and report the permanent grade.

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

NOTE: Two or more incompletes (excluding research projects and thesis) will result in a stop enrollment for any new courses until the Incompletes are below two in number. Grades of Incompletes completed within one semester (excluding summer sessions) after they have been awarded or they will be turned into a grade of F. Any extensions of a one semester time frame must be arranged with the Dean for the Department of Graduate Studies and Research prior to the Incomplete being changed into a grade of F. Incompletes for research projects and thesis may not extend beyond two years from the date the "I" was recorded unless an extension has been granted by the Dean for Graduate Studies and Research and the student reinst will complete the course. Incompletes of "I" on courses which are part of the degree requirements must be removed at least twelve working days before conferral of the degree.

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 shall be left to the Graduate Program Committee of 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. Each individual instructor has the responsibility for managing student attendance and for communicating at the beginning of each semester those class attendance policies for which he/she is responsible in that classroom. If a student is absent or anticipates an absence, the student's primary responsibility is to immediately inform the instructor, the instructor's advisee, and the student's department of the absence. A student who misses a class for a legitimate reason, must notify the instructor in advance of the absence or as soon as possible thereafter, and the absence must be documented in that classroom. 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 absences. Providing notification to the university office of students who may require students, individually or collectively, the personnel office to provide an attendance sheet at least twelve working days prior to the conferral of the degree.

A final comprehensive oral examinations will be arranged by the department in which the degree is to be awarded. The scheduled 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 not more than two courses having a grade of "C". Notwithstanding grading 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 below 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 be dropped from the degree program. The student thus dropped must secure the approval of the COGNIZANT GRADUATE COMMITTEE OR ACADEMIC COMMITTEE of the student's major department as the spokesman for the consideration and the approval of which Deans for Graduate Studies and Research in order to take coursework as a non-degree student. The student must apply or be accepted as a candidate for the degree unless reinstated by the Dean for Graduate Studies and Research.

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

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

Communication regarding appeals should be directed individually to the University procedures or don't know where Graduate Studies and Research. The Director or the Graduate School of the load the course to audit, and must secure the approval of the instructor or the course whose prerogative is up to the discretion of Committee III to decide if any of these conditions have been met.

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

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

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

5. No person who was a member of the department or campus 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.

Communications regarding appeals should be directed to the Dean for Graduate Studies and Research.

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 actions on your behalf by the Ombudsman. There are University procedures, or don't know where to turn when you are confronted with unusual problems, then you should contact 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 shall be defined as graduate students enrolled for at least twelve credit hours during a regular college 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 activity card by paying the full-time fee of $36.00.

NOTE: Students enrolled 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 Work Schedule. Exceptions beyond that date will require the professor's certification that the student's work is satisfactory. The Dean's approval will require, in part, an uncontrollable circumstance interfering with the student's studies.

A student wishing to audit a course must secure the permission of the instructor, must register for the course to audit, and must secure the approval of the instructor of the course whose prerogative it will be to determine privileges including examinations connected with the course. An audit study 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 8000, 8001, and 8002 are open to graduate students only. Some courses numbered 8800 are open to both seniors and graduates; the same is true of a selected few 8000 numbered courses. It is expected as a rule that graduate students enrolled in those courses numbered 8800-8803 will do work of a higher level than undergraduates. Typically, such differentiation might include depth studies, field studies, individualized research, and special interest projects.

RESIDENCE REQUIREMENTS

A minimum of 30 semester credit hours in residence (26 in the 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 graduate program and are eligible to participate in the decisions of Committee III of the Executive Graduate Council. The approval of the Dean for Graduate Studies and Research is required.

Courses which transfer is requested must not have been used to satisfy the requirements for any previously awarded degree. 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 an evaluation to the Dean for Graduate Studies and Research for review and consideration. Transfer of credit for prior graduate work will be considered only 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 six-year period allowed for the Master's degree.

In the College of Arts and Sciences, the service is considered a 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 and Research.

Students who wish to take graduate courses at the University of Nebraska at Lincoln or at the Medical Center College of Pharmacy must be granted credit for courses taken in that college; in no case will be based on the University catalog, Graduate Catalog, class work 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.

WITHDRAWAL FROM THE UNIVERSITY

To officially withdraw from all classes and thereby from the University, and to receive any refund as well as appropriate posting of academic standing for the grading period in question, a student must be approved by the signatures of his advisor and the UNO Dean for Graduate Studies and Research or his designee 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 work 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 is.

UNIVERSITY OF NEBRASKA AT OMAHA
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 breakage, lost property, fines, penalties, parking, books, supplies, food, or special services not listed in this schedule.

Tuition and related fees are payable in full at the time of registration, or in accordance with deferred billing schedules. Students availing themselves of the deferred billing option must pay their full tuition and fees at the time of registration,

All students are required to meet their financial obligations in good faith. Nonpayment of tuition and fees may result in cancellation of registration, legal collection efforts, or both.

Matriculation Fee (Graduate College):
Payable upon full-time enrollment in the Graduate College $10.00

Tuition:
Per Semester Credit Hour, Undergraduate or Graduate Resident of Nebraska (see residency statute) $26.50
Non-Resident $72.00
Per Student Credit Hour through Off Campus Program $33.00

Audit Fee:
The Audit (not for credit) fee is assessed at one-half of the Resident tuition rate. Registration for audit begins on the first day of classes and lasts through the thirty-eighth calendar day. Students who register for a course of audit and later withdraw from that course are assessed an audit fee of $15.00 per hour. The audit fee is not assessible if the student withdraws within the first thirty-eight calendar days of the semester.

Special Instructional Fees:
Applied Music: Voice and all instruments except percussion and harp. (Fee may be waived by the Head of the Music Department for any full-time student who is a music major or minor)
One semester credit $55.00
Two semester credit $75.00
Three semester credit hours 135.00
Four semester credit hours 115.00

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

University Program and Facilities Fee (UPFF)
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 enrolled.

The UPFF is used to fund University activities and is distributed according to an annual budget developed by the Allocation Committee. The budget is allocated to academic deans, and grants are awarded for student activities and special student services.

The second portion of the UPFF is designated for student services, student activities, 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:
Continuing Engineering Studies — Professional Studies — Development Degree Program
Initial application per course $25.00
Attainment of 600 credit units (additional) $25.00
Attainment of 900 credit units (additional) $25.00
Attainment of 1200 credit units (additional) $25.00

Change of Program $5.00 Fee
Transcripts of Academic Record per copy $1.00
Thesis Binding per copy $6.00
Cap and Gown Rental (to be arranged through the Bookstore) $6.00
Graduation Fee $3.00
Degree in Absence (payable in addition to graduation fees) $3.00
Returned Check — per check $3.00
Disenrollment checks 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 cost for the course.

Teacher Placement Fee Schedule:
The following annual fees for teacher placements are as of September 1, 1978. The registration fee is required of all graduates preparing for teacher certification.

New Registrants, annual $27.50
Fee for establishment of permanent placement files, 10 sets of credentials, and the weekly Vacancy Bulletin may be obtained in the Office.

Alumni Registrants, annual $33.00
Fee covers updating of 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 Mailing Fee $11.00
1st class mailing $19.50
Graduation Fee (over initial 10 sets) $2.00
7 extra sets $10.00

Late Fees and Penalties:
Late Registration (day or evening classes) $5.00
Late Examination (each course) $5.00
Late Payment of Tuition Fee $10.00
Remittance of Cancelled Registration $1.00
Replacement of ID Activity Card $1.00

Deposits:
Key (per key with authorization) refundable $1.00
Lock and Travel Deposit—Refundable $5.00
Required for students taking HPER service classes.

Chemistry Laboratory Deposit—Refundable $10.00

Testing Fees:
Credit by Examination — per course (Departmental) $25.00
American College Testing (ACT), National $10.00
American College Testing (ACT), Regional $10.00
College Level Examination Program (CLEP) $20.00
Graduate Management Tests (GMAT) $12.00
Graduate Record Examination (GRE) $10.00
Law School Admissions Tests (LSAT) $10.00
General Educational Development (GED) $10.00
Miller Analogies Test (MAT) $10.00
Corrections Tests 5.00 per course

Test of English as a Foreign Language (TOEFL) $17.00

Refund Schedule:
Refunds are computed from the date application is received by the Registrar, NOT from date of withdrawal from classes. Refund slips issued by the Registrar and given to students are void and not redeemable, unless presented to the Cashier (Eppley Building) within 30 days after date of issue. See policy entitled “Withdrawal from Classes.”

Students paying tuition and fees on a deferred payment basis or under any loan granted by the University, who withdraw before the account is paid in full are not relieved from payment.
### University of Nebraska at Omaha

**Second Week**

- **Withdrawal before 2 weeks elapsed**
- **Withdrawal after 2 weeks elapsed**
- **Withdrawal before classes**
- **Withdrawal after classes**

#### Summer Sessions (5 and 6 Week)

- **Before first official day of semester**
  - Refundable: 100%
  - Chargable: 0%
- **First three days of classes**
  - Refundable: 100%
  - Chargable: 0%
- **Remainder of first week**
  - Refundable: 75%
  - Chargable: 0%
- **Second week of classes**
  - Refundable: 50%
  - Chargable: 0%
- **Third week of classes**
  - Refundable: 25%
  - Chargable: 0%
- **Fourth week of classes**
  - Refundable: 0%
  - Chargable: 100%

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

- **Before first official day of semester**
  - Refundable: 100%
  - Chargable: 0%
- **First three days of classes**
  - Refundable: 100%
  - Chargable: 0%
- **Remainder of first week**
  - Refundable: 75%
  - Chargable: 0%
- **Second week of classes**
  - Refundable: 50%
  - Chargable: 0%
- **Third week of classes**
  - Refundable: 25%
  - Chargable: 0%

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

- **Withdrawal before classes start**
  - Refundable: 100%
  - Chargable: 0%
- **Withdrawal before first week elapsed**
  - Refundable: 50%
  - Chargable: 0%
- **Withdrawal before 2 weeks elapsed**
  - Refundable: 50%
  - Chargable: 0%
- **Withdrawal after 2 weeks elapsed**
  - Refundable: 0%
  - Chargable: 100%

(less than 10 Weeks)

- **Withdrawal before classes start**
  - Refundable: 100%
  - Chargable: 0%
- **Withdrawal before second class**
  - Refundable: 50%
  - Chargable: 0%
- **Withdrawal after second class**
  - Refundable: 0%
  - Chargable: 100%

### 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 1941, and Nebraska Revised Statutes 1949. A full-time student who has been classified as a nonresident should contact the Registrar's Office.

### Student Development Services

#### Career Development Center

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

- More appropriately and satisfying career decisions will be made if individuals have more information about themselves and the world of work. To explore and clarify interests, values, needs, abilities and career goals, one may become involved in individual counseling, workshops, the utilization of career information, testing and test interpretations. Counselors also assist individuals in self-assessment and counseling with information on employment trends, occupational responsibilities, and required training and qualifications for various career fields.

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

#### Career Placement Services

Career Placement Services assists graduate candidates and alumni from all Colleges of the University in their search for career employment.

- **Employment Counselors** and 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 graduate students completing degrees are encouraged to register with Career Placement Services by completing a placement file, including a resume and Personal Data Form. The College Placement Annual, supplied without charge to registrants, is a valuable directory of organizations having positions available for college graduates.

### Counseling Services

Counseling services are provided to assist UNO students in their educational, emotional, personal and academic development. The goal of the Counseling Center is to use all available resources to assist students in making positive adjustments in their academic and personal lives.

- **Students use the Counseling Center to talk about concerns with courses, educational vocational planning, family and personal problems, and financial troubles.**

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

- **Frequently students do not know where to seek assistance or are confused about kinds of assistance available. The Counseling Center acts as a referral agency for students — opening the availability of a large number of university and community professional resources for the students.**

- **General counseling services are provided at no charge for students and other members of the university community. Appropriate fees are charged for services to people who are not students or within the university.**

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

- **The Counseling Center is located on the first floor, east wing of the Eppley Building (62nd and Dodge) and is open during the day and early evening hours with the exception of weekends and announced university holidays.**

### Testing Center

A variety of testing services are available through the Testing Center, which is located on the main floor, east wing of the Eppley Building.

- **Attitude, interest and psychological tests are administered on a daily basis upon the recommendation of UNO Counseling Center personnel. Other testing programs include the following:**

  - **Credit By Exam at UNO**
    - Credit by Examination allows students the opportunity to gain academic credit for knowledge they have acquired outside of formal education. Students who have achieved 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:**
    - **CLEP Program** which offers tests in many subject areas; and UNO's Special Examination Program which involves challenging any course taught at the University by taking a departmental examination. (Students must be registered to attempt departmental exams.)

  - **The following general provisions apply to credit by examination at UNO:**
    - Credit earned by examination may not count as substitute credit for college courses which have been failed at university level. Neither will it be credited to raise a grade earned in any course.

  - **Examinations for credit or placement may not be repeated. Credit by examination may not be earned in any course taken on an audit basis after September 1, 1972.**
the coordination of activities involved with the minority student population as well as those special interest groups (American Indians, Black Liberators for Action on Campus, La Casa, and United Minority Students) which were organized to serve them.

The Office also provides cultural and academic programming for minority students on campus.

The Office minimizes the difficulty minority students encounter during their learning process at UNO. The financial transition is aided through minority financial aid files accessible to students through the office in addition to referrals to the UNO Financial Aid office.

Student Health Services

Student Health Service, located in the Mall Ball Student Center, is available to all students, and provides free First Aid treatment for minor illnesses and emergency accidents with referral when necessary. Preventive health measures are a primary concern and include blood pressure checks, vision and hearing tests, throat cultures for possible Strep infection, a Tuberculin skin testing program, plus a variety of health-related services available by examination with treatment for earning placement or examination credit.

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

Examinations for Admission to Graduate or Professional Schools. The Testing Center also administers special examinations required to enter professional or graduate school. The following examinations are among those examinations: Graduate Record Examination, Miller Analogies Tests, Graduate Record Examination with Test of English as a Foreign

Information and applications are available at the Testing Center, East Eppley, 554-2409.

The Information Center

The Information Center located in the Eppley Building has available information about campus events and campus phone numbers and office locations for University employees. To give or receive information call 554-2800 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 be involved in the growth and development of the institution by joining the UNO Parents Association. Any parent of a UNO student is eligible to become a member. Membership in the Parents Association gives parents an opportunity to become better informed about UNO and to share their children's college experience. Family membership dues are $5.00 annually. For information contact Student Development Services.

Part-Time Student Employment Service

UNO students seeking off-campus part-time employment should visit the Part-Time Student Employment Service Office in the Mall Ball Student Center, Room 134. Employment counselors are available to assist students in finding employment, matching jobs with their interests where possible. Emphasis is placed on developing job-search skills and interviewing techniques with the Part-Time Student Employment Service acting as liaison between employer and student.

Current listings of available jobs are posted on bulletin boards near Room 134 in the Mall Ball Student Center and outside Room 150 in the Eppley Building. Qualified students are referred directly to employers for job interviewing. All services are free.

Special Programs

The Office of Special Programs is the coordinating arm of several service units which function to assist UNO students without special needs. These units, which are a part of the Office of Special Programs, are the Women's Services, Minority Affairs, Student Health Services, Handicapped Student Services, and the Learning Resource Center. The Office of Special Programs is located in the East Eppley, Room 307.

Handicapped Services

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

Learning Resource Center

The Learning Resource Center at the University of Nebraska at Omaha offers a variety of academic support skills designed to aid all students. Services offered at the Center include a writing lab, a math lab, and a reading lab. Since the labs are offered at specific times, it may be necessary to contact the Center to see when the lab you need to participate in is being held. Additionally, the Learning Resource Center provides tutorial assistance in a wide range of courses. The Center is located on the second floor, East Wing of the Eppley Building.

Minority Affairs

The Office of Minority Affairs acts as a referral agent for persons seeking information and services at UNO and agencies located in the area. The Office disseminates information necessary in

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 students with supervised educational experiences at the graduate level in conjunction with the degree program. Approximately twenty hours of work per week is required. The minimal stipend for assistantships will be no less than twelve credits of full-time equivalent work per semester unless the student has demonstrated extraordinary efficiency and the advisor recommends the abnormally high work load to the Dean for Graduate Studies and Research for his approval. Graduate assistants will be expected to carry at least six graduate credits per semester (with two free credit hours during the week in which the summer session equivalent to one semester). It is highly recommended that the student be in the last semester before graduation and only three hours of graduate credit are required for graduation. The assistantship may be made by the Dean for Graduate Studies and Research in consultation with the student's advisor. No student may hold an assistantship for more than four semesters unless recommended by the Graduate Program Committee of the department and approved by the Dean for Graduate Studies and Research who must evaluate the student's progress and recommend that the student's assistantship be reduced. The assistant's stipend will be subject to the approval of the Dean for Graduate Studies and Research.

Applications and their supporting credentials must 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 often available for qualified students who have been admitted to graduate study. Eligibility is based on academic qualifications and financial need.

Information and application forms are available in the Graduate Office. Allow at least two months for processing applications.
TRAVELING SCHOLAR PROGRAM

The University of Nebraska is a member of the Mid-America State Universities Association along with Iowa State University, Kansas State University, University of Kansas, University of Oklahoma, and the University of Missouri. The University of Nebraska is a member of the University of Missouri. Under the traveling scholarship program, a graduate student who wishes to use special research facilities or take courses not available at the University of Nebraska is advised to make an arrangement with an institution of higher learning, to apply for the 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 283, Administration Building. Applications should be in the Graduate Office by March 15 of each year.

SCHOLARSHIPS

Phi Delta Gamma, a national sorority for graduate women, offers two annual scholarships of $150 each, to women graduate students who have completed approximately one half of their graduate work. The Mary-Ellen Patterson-Phi Delta Gamma Scholarship is awarded to an applicant for graduate study in the College of Agriculture. Phi Delta Gamma Scholarship and the Nelle Boyer-Phi Delta Gamma Scholarship are available. Applications and details concerning these scholarships may be obtained from the Dean for Graduate Studies and Research, Room 283, Administration Building. Applications should be in the Graduate Office by March 15 of each year.

LOANS

Graduate Students are eligible to apply for Federal Direct Student Loans (NDSL) which are based upon financial need. Qualified women graduate students are eligible for a Phi Delta Gamma loan on a limited basis. To apply for loans from other sources as well, contact the Director of Financial Aid, Room 219, Eppley Building.

WORK-STUDY

Graduate Students may apply for College Work-study positions. Eligibility for these positions is based upon financial need. To apply for work-study, contact the Office of Financial Aid, Room 219, Eppley Building.

ORGANIZATIONS

Phi Delta Gamma is a national sorority for graduate women in all fields. Membership is by invitation. Phi Delta Kappa is a national fraternity for men who are graduate students in Education. Membership is by invitation. Beta Gamma Sigma is a national honorary society for students in Business Administration. Membership is by invitation. Phi Chi is a national honorary association for graduate students in Psychology. Membership is by invitation. Omicron Delta Epsilon is a national honorary association for graduate students in Economics. Membership is by invitation.

ADMINISTRATION FOR GRADUATE STUDIES

GRADUATE FACULTY

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

GRADUATE FACULTY MEMBERS

Graduate Faculty Members may teach graduate courses, supervise students enrolled in graduate programs, and approve all courses which may be taken for graduate credit. A list of the Graduate Faculty is available in the Graduate Office.

CRIITERIA

Graduate Faculty Fellows may teach graduate courses, supervise, and serve on supervisory committees for students working towards post-baccalaureate degrees, vote on all matters presented to the Graduate Faculty, and vote on nominations for Graduate Faculty Fellows.

RESPONSIBILITIES

Graduate Faculty Fellows may teach graduate courses, supervise, and serve on supervisory committees for students working towards post-baccalaureate degrees, vote on all matters presented to the Graduate Faculty, and vote on nominations for Graduate Faculty Fellows.

CRITERIA

The following requirements for the nomination of Graduate Faculty Members were adopted by the Graduate Faculty to establish consistent standards for faculty members eligible for appointment to the Graduate Faculty.

1. The nominee must hold the rank of Assistant Professor or above.
2. The nominee must hold the terminal degree normally accepted for academic employment in the discipline or the clear equivalent as determined by the Graduate Committee of the nominee's department or interdisciplinary area.
3. The nominee will not have a full-time or part-time appointment in another academic institution or have attended other institutions.
4. The nominee must have demonstrated clear evidence of scholarly activity and potential beyond teaching. This evidence must be provided by the nominator.

Graduate Council

The Graduate Council of the Graduate Faculty at UNO is composed of elected faculty members and three graduate students. This 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.

FACULTY SENATE 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 see that the funds set aside in the University Budget are utilized for these ends, (3) to encourage solicitation of monies for research, (4) to review and recommend for approval or disapproval in keeping with the objec-
EXTRAMURAL GRANTS

Through the Dean for Graduate Studies and Research, the Office of Grants Development provides advice and technical assistance to faculty and staff in the following areas: solicitation of funding sources; preparation of research proposals; preparation of grant budgets; preparation of grant financial reports; excess property programs; 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.

CENTER FOR URBAN EDUCATION

The Center for Urban Education is a practical, problem-oriented off-campus laboratory which is not housed in any of the individual departments or colleges but reports to the Vice-Chancellor for Academic Affairs. The Center has an advisory council consisting of several deans and public citizens. The Center focuses upon problems of low-income areas (both urban and rural) but does not offer separate graduate degree programs. However, there will be provided appropriate opportunities for graduate students from several disciplines (e.g., Sociology, Psychology, Urban Studies, Business Administration, Home Economics, Social Work, Counseling, Educational Administration, and Urban Education) to have, as part of their regular graduate programs practice-type experiences, and to interact on an interdisciplinary basis. This type of university outreach into the low-income and poverty areas can be productive for the community and for students as well as faculty from all of the units of the University.

POLICY ON PLAGIARISM

The prevention of, and the imposition of sanctions upon those who resort to, plagiarism is necessary in any university that espouses the ideals embodied in the concept of academic freedom. Plagiarism is the appropriation of the work (be it ideas or words) of another without crediting the source. Such a practice is particularly reprehensible in a community dedicated to the pursuit and advancement of knowledge.

Plagiarism by Faculty

The investigation of allegations of plagiarism by a faculty member at any major administrative unit 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.
DEGREE REQUIREMENTS

BIOLOGY

To enter a degree program with a major in biology the student must present approximately 24 semester hours of credit in the biological sciences including general botany, general zoology, and genetics plus adequate preparation in the supporting sciences of inorganic and organic chemistry, general physics, and mathematics. Students with inadequate backgrounds may be admitted provisionally. GRE (advanced and aptitude) is required and the scores should be submitted as soon as possible.

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 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 2 semesters of Biology 801V, 1 semester of Biology 401V, 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 or Public Administration—Environmental Option

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

BUSINESS ADMINISTRATION

The Master of Business Administration Degree

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

Courses in the program give the students an understanding of the principles of management, marketing and finance and a proficiency in the use of accounting, computers, statistics, and quantitative methods as tools for analysis of business activities. Also, the student is made aware of the societal, economic, legal and political factors which influence business decisions and develops an appreciation of the social responsibilities of business.

Emphasis 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 = 1020

The GMAT score must not be below 400 in computing the above total.

Students who do not meet the above criteria or who attain a GMAT score below 400 may be considered for admission on an exception basis only.

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:

College Algebra
Math 131
Economics
BA 811H or Macroe- and Microeconomics at the undergraduate level
Accounting
BA 811H 1 year of Principles of Accounting at the undergraduate level DS231

Computers in Business
The six hours of electives must be in one or more areas different than the area of concentration and may be taken in an area outside the College of Business Administration, subject to advance approval by the Director of Graduate Studies. A thesis is required in one option (Real Estate) and may be elected in others. No comprehensive examinations are required. Instead, the integrative course BA 890V must be successfully completed with a grade of A or B in the student’s last nine hours of the degree program.

### Core Courses

- **BA 800V** Quantitative Analysis
- **BA 801V** Business and Society
- **BA 802V** Managerial Economics
- **BA 803V** Managerial Accounting
- **BA 804V** Human Behavior in Organization
- **BA 805V** Policy, Planning, and Strategy

### Electives

- 12 hours

### Option Courses

- **BA 800V** Quantitative Analysis
- **BA 801V** Business and Society
- **BA 802V** Managerial Economics
- **BA 803V** Managerial Accounting
- **BA 804V** Human Behavior in Organization
- **BA 805V** Policy, Planning, and Strategy

### Option #1 - Business Administration

- **BA 830V** Environment of Management
- **BA 840V** Marketing Policies
- **BA 850V** Financial Management
- **BA 860V** Business Conditions Analysis

### Option #2 - Marketing

- **BA 840V** Marketing Policies
- **BA 841V** Financial Management
- **BA 845V** Seminar in Marketing

### Option #3 - Decision Sciences

- **BA 800V** Business Conditions Analysis

### Option #4 - Real Estate

- **BA 860** Real Estate and Land Use
- **BA 861** Current Problems in Real Estate and Land Use Economics
- **BA 899V** Business Forecasting

### Option #5 - Accounting

- **BA 812V** Accounting Theory (if not taken as a core course)
- **BA 813V** Control Theory (if not taken as a core course)

The degree requires a minimum of 36 semester hours for completion. Option courses 12 hours. Electives 6 hours. The six hours of electives must be in one or more areas different than the area of concentration and may be taken in an area outside the College of Business Administration, subject to advance approval by the Director of Graduate Studies. A thesis is required in one option (Real Estate) and may be elected in others. No comprehensive examinations are required. Instead, the integrative course BA 890V must be successfully completed with a grade of A or B in the student’s last nine hours of the degree program.

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- **BA 899V** Business Forecasting

### Option #5 - Accounting

- **BA 812V** Accounting Theory (if not taken as a core course)
- **BA 813V** Control Theory (if not taken as a core course)

### 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 restrictions that a maximum of 6 hours of "M" level courses may be included in the graduate program of study.
UNIVERSITY OF NEBRASKA AT OMAHA

CIVIL ENGINEERING

Master of Science

This is a professional degree designed to provide a broad educational background for students who wish to assume greater professional responsibility 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 Systems Analysis, Decision making, and Problem Solving.

The degree program is offered by the faculty of the merged departments of Civil Engineering at the University of Nebraska at Omaha and Lincoln, and will be administered by the Graduate College, UN-L. Master's Degree will be granted by the Graduate College. Upon admission by the Graduate College, UN-L, student records will be maintained on the campus of the university to which the student is admitted.

The Master's Degree will be awarded in the summer or fall semester.

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. The Graduate Committee has general supervision over the work of the candidate for the Master's degree. The committee may require such tests as it deems necessary in order to determine whether an applicant is adequately prepared for graduate study. After reviewing all application materials, the Graduate Committee will admit a student to the program. A decision will be made to have a seminar recommendation, after consultation with the committee, on admission to the program. All students who major in Communication are required to complete the Graduate College, UN-L, the communication and the Graduate Committee.

Admission to Candidacy

Consult current Graduate Studies Bulletin, University of Nebraska.

Examinations

Graduate work in Civil Engineering is governed by the general requirements of the University of Nebraska-Lincoln. In all cases the examination will be based on the total coursework completed by the candidate for the Master's Degree. The examination will cover the candidate's written and oral work.

COUNSELING AND GUIDANCE

COUNSELING AND GUIDANCE

Students begin a program of studies in Counseling and Guidance at any one of three starting times during the course of the year. All students are required to follow a sequence of courses either full or part-time, and must consult their advisor to determine this sequence. Failure to do so could result in a delayed completion date.

Students obtain a Master's degree in Counseling and Guidance with an area of specialization. Current specializations include School Counseling, Special Education, Guidance and Counseling (with an area of specialization in Guidance and Counseling), and School Counseling (with a specialization in Guidance and Counseling).

Required courses are determined in relation to the student's previous coursework, experience and anticipated work setting.

Programs most hospitals would fit within one of the general outlines given below.

Students are admitted and permitted to continue programs in Counseling and Guidance on the basis of their potential for successful training and professional growth. Students are encouraged to apply for a Master's degree in Counseling and Guidance.

Major points where students are evaluated with respect to their suitability for continuation in the program are: 1) academic standing, 2) letter of recommendation, 3) admission to degree candidacy, and 3) prior to taking the Counseling Practicum or Internship course. Successful completion of a Counseling Practicum or Internship is a requirement for graduation.

Students are required to complete a minimum of 30 semester hours of graduate coursework with a GPA of 3.0 or higher.

COUNSELING СерVICES

The last date for completing all requirements for admission to the Department of Counseling and Guidance is April 23 for either Summer Session and the Fall Semester, and November 30 for the Spring Semester. Students are admitted to the programs in Counseling and Guidance twice each year. If students wish to begin the program at a different time from those indicated, they must discuss this with the faculty in the department.

Note: Non-counseling degree students may obtain an elective option in Affective Humanization Processes. This consists of a 15-hour block of courses which must be authorized by Dr. Hadd Jarratt in the Counseling and Guidance Department and the student's advisor for this to be officially included as part of the student's degree program.

Master of Arts

Programs for the Master of Arts degree with a major in counseling and guidance will be determined by the major advisor upon request.

Master of Science

Specialization in Agency Counseling

I. Foundation Courses

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<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FED 801V, Introduction to Research</td>
<td>3</td>
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<tr>
<td>COUN 820V, Introduction to Research</td>
<td>3</td>
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<tr>
<td>COUN 821V, Organization and Administration of Guidance Services</td>
<td>3</td>
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<tr>
<td>COUN 822V, Occupations and Educational Information</td>
<td>3</td>
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<tr>
<td>COUN 824V, Counseling Practices</td>
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II. Selected Courses (with an area of specialization in Counseling and Guidance)

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<thead>
<tr>
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<tbody>
<tr>
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III. Counseling and Guidance Courses

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Specialization in School Counseling — Secondary Level

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</table>
COUN 824V, Counseling Practices
COUN 825V, Counseling Practicum

Specialization in School Counseling — Elementary Level*

I. Foundation Course .............................................. 6 hours
FED 80V, Introduction to Research

II. Selected Cognate Courses — These courses are most often selected from offerings of the Psychology, Sociology, Elementary Education and Special Education departments.

III. Counseling and Guidance Courses ..................... 19-27 hours
COUN 890M, Principles of Guidance and Counseling
COUN 830V, Introduction to Counseling Techniques
COUN 811V, Child Assessment in Elementary School Guidance
COUN 832V, Counseling Elementary School Guidance Practicum or Internship ..................................... (16-4) hours

Specialization in College Student Personnel Services

I. Foundation Course .............................................. 3 hours
FED 80V, Introduction to Research

II. Selected Cognate Courses — These courses are selected in accordance with the student's particular field of interest. Most of these courses are taken in the departments of Sociology and Psychology.

III. Counseling and Guidance Courses ..................... 21-27 hours
The pattern of coursework is individually designed to prepare the student for specific roles within the field of student personnel services, i.e., Admissions and Registrations, Counseling, Financial Aid, Placement, and Student Activities.

Counseling with specialization in Gerontology

I. Foundation Course .............................................. 3 hours
FED 80V, Introduction to Research

II. Counseling and Guidance Courses — These courses are selected in accordance with the student's particular field of interest.

III. Gerontology Courses ........................................... 12-15 hours
These courses are selected with the major advisor's assistance and in collaboration with the Gerontology Program.

CRIMINAL JUSTICE

Degree Programs
The Criminal Justice Department offers the student the 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 basic statistics course, a research methods course, and a minimum of 15 hours in the Social Science area at the undergraduate level. Those students lacking these requirements will be required to make up these deficiencies during the first year of graduate work.

UNIVERSITY OF NEBRASKA AT OMAHA

Master of Arts
The Master of Arts degree is a 36 credit-hour program designed to emphasize research activity and independent inquiry, while simultaneously providing fundamental course work. This degree is especially recommended for those students seeking an interim degree prior to obtaining the Ph.D.

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

Required Core Courses
- 18 credit hours

Elective Courses
- 18 credit hours

Master of Science

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

Required Core Courses
- 12 credit hours

Elective Courses
- 18 credit hours

In consultation with the major advisor the student selects two (2) courses in a related field. Suggested field include, but are not limited to: Business Administration, Psychology, Political Science, Social Work, Sociology, and Public Administration.

Completion of an internship or Thesis

Satisfactory completion of the comprehensive examination is also required.

Master of Science

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

Required Core Courses
- 12 credit hours

Elective Courses
- 18 credit hours

In consultation with the major advisor the student selects one (1) course in a related field. Suggested field include, but are not limited to: Business Administration, Psychology, Political Science, Social Work, and Sociology.

Satisfactory completion of the comprehensive examination is also required.

*Clinical certificate required for institutional endorsement to serve as secondary elementary school counselor in Nebraska or Iowa.
UNIVERSITY OF NEBRASKA AT OMAHA

38

ECON 801V, Public Finance
ECON 853M, Monetary Theory and Policy
ECON 854V, Seminar in Money and Banking
BA 853V, Banking and Financial Markets
BA 853M, State and Local Finance

Electives .................................................. 9 hours

IV. International Economics........................................... 9 hours
ECON 863V, Independent Study
ECON 864M, International Economics
ECON 865M, International Development
POLI SCI 895V, Seminar in International Politics
Electives .................................................. 12 hours

V. Urban/Economic Development (select 4 courses - 12 hours, 6 of which must be in Economics)
ECON 855V, Seminar in Urban Economics
ECON 856V, Seminar in Rural Economics
ECON 857M, Research in Urban/Economic Development
GEO 812M, Urban Geography
HIST 805M, American Urban History to 1870
HIST 844M, American Urban History since 1870
SOC 815M, Urban Sociology
Electives .................................................. 9 hours

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

Master of Arts

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

Core (12 hours)
ECON 820V, Microeconomic Theory
ECON 822V, Macroeconomic Theory
ECON 823M, 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 3 hours to electives.

Suggested Specializations
I. Real Estate and Land Use Economics........................................... 15 hours
ECON 820V, Microeconomic Theory
BA 860V, Real Estate and Land Use Economic Theory
BA 861V, Current Problems in Real Estate
BA 899V, Thesis** ........................................... 6 hours
Electives ........................................................................................................... 3 hours

II. All other specifications are the same as those described under the M.S. program.
ECON 820V, Microeconomic Theory
BA 860V, Real Estate and Land Use Economic Theory
BA 861V, Current Problems in Real Estate
BA 899V, Thesis** ........................................... 6 hours
**Must be written under the supervision of a member of the REALUE program.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

Master of Science

An applicant for admission to the program for the Master of Science degree in educational administration and supervision (with endorsement) must hold a Bachelor's degree from an accredited institution 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 course work in related fields may be taken, up to a total of no 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 and Supervision must be certificated at either or both the elementary or secondary teaching level, 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 and Supervision must hold a Master's degree from an accredited institution.
These programs of study are designed to best harmonize the student's needs and ambitions. Articulated with the Master's Degree, the total program must accumulate to not less than sixty graduate 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.

EDUCATIONAL FOUNDATIONS

The following courses provide a broad foundational basis for more advanced work in graduate education. They are designed to initiate students in education into a more thorough and critical understanding of basic educational issues. As introductory courses, the following courses can be applied for credit in most graduate programs in education.

- FED 801, Introduction to Research (F:S:SS)
- FED 802, History and Philosophy of Education (F:S:SS)
- FED 803, Education and Society (S)
- FED 804, Alternative Strategies in Urban Education (S)
- FED 805, Seminar in Urban Education (F)
- FED 806, Education and Society (F)
- FED 807, Alternative Strategies in Urban Education (F)
- FED 808, Growth and Learning Problems of the Disadvantaged (F:SS)
- FED 809, Urban School (F)
- FED 810, Conflict and Controversy in Urban Education (SS)
- FED 811, Field Research Techniques in Urban Education (F)
- FED 812, Growth and Learning Problems of the Disadvantaged (F:SS)

For more information call the Department of Educational Foundations and Urban Education, 254-2712.

MASTER OF SCIENCE IN EDUCATION

Major in 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 institutions 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 in functions 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 educational practice.

Entrance Requirements

Students interested in the degree program must initially:

1) Hold a Bachelor's degree from an accredited institution.
2) Submit completed application forms for graduate studies and a transcript of all previous college work, and complete a set of departmental forms.
3) Complete an interview (where possible) with the Urban Education Committee.

Advancement to Candidacy

Before students can be advanced to candidacy, they must fulfill the following requirements. This must be done prior to the completion of twelve (12) hours at UNO:

1) Complete the Graduate Record Examination (verbal and quantitative) or the Miller Analogies Test. A low score may require supplementary work.
2) Complete six graduate hours at UNO, one of which must be FED 801, with grades of B or better.
3) Select one of the three program options for degree work.
4) Plan a program with an advisor.

Graduation Requirements

For a student to graduate from the program with the Master's degree in Urban Education he/she must fulfill the following requirements:

1) Complete a minimum of thirty-six graduate hours.
2) Assist and/or participate in departmental colloquium activities.

4) Complete Practicum Internship in the immediate locale, another American metropolitan area, or overseas.

PROGRAM

To graduate with an M.S. degree in Education with a major in Urban Education students must successfully complete a minimum of thirty-six hours in one of the following three optional programs. Option I is designed for teachers and administrators in urban schools; Option II is designed for those working in urban education in non-school settings; Option III is designed for students wishing an emphasis on research and evaluation. The student must choose one option prior to the completion of twelve (12) hours. A maximum of twelve (12) hours may be transferred into any program.

OPTION I: M.S. Urban Educators in school settings

(a) Required courses (taken in the following order):
- FED 801, Introduction to Research (F:S:SS) 3 hours
- FED 802, History and Philosophy of Education (F:S:SS) 3 hours
- FED 803, Education and Society (S) 3 hours
- FED 804, Urban School (F) 3 hours
- FED 805, Seminar in Urban Education (F) 3 hours
- FED 806, Education and Society (F) 3 hours
- FED 807, Alternative Strategies in Urban Education (F) 3 hours
- FED 810, Conflict and Controversy in Urban Education (SS) 3 hours
- FED 811, Field Research Techniques in Urban Education (F) 3 hours
- FED 812, Growth and Learning Problems of the Disadvantaged (F:SS) 3 hours

(b) Nine (9) hours of elective course work to be taken in one other educational field. Selection made in consultation with advisor.

OPTION II: M.S. Urban Educators in non-school settings

(a) Required courses (taken in the following order):
- FED 801, Introduction to Research (F:S:SS) 3 hours
- FED 802, History of Education (F:S:SS) 3 hours
- FED 803, Education and Society (S) 3 hours
- FED 804, Urban School (F) 3 hours
- FED 805, Seminar in Urban Education (F) 3 hours
- FED 806, Education and Society (F) 3 hours
- FED 807, Alternative Strategies in Urban Education (F) 3 hours
- FED 810, Conflict and Controversy in Urban Education (SS) 3 hours
- FED 811, Field Research Techniques in Urban Education (F) 3 hours
- FED 812, Growth and Learning Problems of the Disadvantaged (F:SS) 3 hours

(b) Fifteen (15) hours of elective course work outside education. A minimum of twelve (12) hours must be taken in one area. Selection made in consultation with advisor.

OPTION III: M.S. Urban Educators with an emphasis on research and evaluation

(a) Required courses (taken in the following order):
- FED 801, Introduction to Research (F:S:SS) 3 hours
- FED 802, History of Education (F:S:SS) 3 hours
- FED 803, Education and Society (S) 3 hours
- FED 804, Urban School (F) 3 hours
- FED 805, Seminar in Urban Education (F) 3 hours
- FED 806, Education and Society (F) 3 hours
- FED 807, Alternative Strategies in Urban Education (F) 3 hours
- FED 810, Conflict and Controversy in Urban Education (SS) 3 hours
- FED 811, Field Research Techniques in Urban Education (F) 3 hours
- FED 812, Growth and Learning Problems of the Disadvantaged (F:SS) 3 hours
- FED 848, Practicum Internship (F:S:SS) 3 hours
- FED 849, Seminar in Urban Education (F) 3 hours

(b) Three to six (3-6) hours of elective course work. Selection made in consultation with advisor.

ELEMENTARY AND EARLY CHILDHOOD EDUCATION

Master of Arts

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

Master of Science

Admission to the Program

1. An applicant must hold a valid elementary school teaching certificate.
2. Unconditional admission is granted if and when:
   a. undergraduate major average is 3.0 or above.
   b. Graduate Record Examinations are completed with acceptable scores.
   c. any undergraduate deficiencies are made up.
3. Graduate Record Examinations (Verbal, Quantitative, and Advanced Education) must be taken before a second registration. An acceptable score must be earned.

Candidacy for the Degree

1. A plan of study and admission to candidacy are completed in conference with the student's advisor when six (6) hours of graduate work have been completed. This plan of study must be approved by the Department and the Graduate Office.
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 better.

All candidates for the Master of Arts degree must satisfy with the English Department the prerequisites. Their graduate adviser will confer with them in planning for such courses.

Non-Degree-Seeking Students

Students who are not planning to pursue the program leading to a Master's degree are allowed to take courses for which they meet the prerequisites. Their graduate adviser will confer with them in planning for such courses.

THE MASTER OF ARTS DEGREE WITH A MAJOR IN GENERAL SCIENCE

This graduate degree is designed to provide a broad scientific background for students who wish to gain greater proficiency in the natural sciences. The program for the Master of Arts with a major in General Science is directed by a Graduate Science Committee consisting of representatives of the departments concerned by their respective graduate faculties and approved by the Dean for Graduate Studies and Research.

The Graduate Science Committee may prescribe such tests as it deems necessary in order to determine if an applicant is adequately prepared for graduate work, and will supervise the final oral examination. Each candidate will be assigned a major teacher who will be responsible for advising and guiding the student's curriculum and research in position with the policies established by the Graduate Science Committee and the Graduate Council.

The applicant for full admission to the graduate program must present a Bachelor's degree. In addition, eight semester hours of credit must be presented in each of the four natural science areas.

Degree Requirements: The degree requires a minimum of thirty-six (36) semester hours for completion. Candidates must complete a minimum of thirty (30) semester hours of approved course work and pass the oral examination in a thesis or dissertation, if appropriate. Theses and dissertations should include at least 60 hours of research and writing, and should be supervised by an Committee. Each candidate for the degree must pass the oral examination. A candidate who has taken the degree under Option II and later elect to continue in graduate work for the Ph.D. will not be encouraged by the department to continue unless evidence of ability to carry on independent research is presented.

Admission Requirements

An applicant for admission to either the Master of Arts or the Master of Science degree program must present a Bachelor's degree. A Bachelor of Arts degree with a major in physical geography is intended for students electing to do major work in physical geography. Each degree has two options:

Option I should be chosen by those concentrating on careers in research and scholarly work, or in college or university teaching. The option requires a minimum of 24 semester hours in geography courses numbered 800M-800V and 900, and theses 1-6 hours for a combined total of 30 hours.

Option II may be chosen upon the advice and with the approval of the major adviser. This option requires a minimum of 36 semester hours in geography courses numbered 800M or 800V-900, or selected courses in other departments. The degree must be completed within a period of not less than two years (28) semester hours (not including 6 hours in any one field). In general, the student's program will include at least one course in each of the four natural science areas. Any deficiency in the prerequisites must be made up but may not be counted as a part of the thirty-six (36) hour graduate requirements.

GEOGRAPHY AND GEOLOGY

The department offers the following degrees with a major in geography: the Master of Arts degree and the Master of Science degree.

The Master of Arts with a major in geography is intended for those preparing themselves in areas other than physical geography; whereas, the Master of Science with a major in geography is intended for students electing to do major work in physical geography. Each degree has two options:

The Basic courses required for either an M.A. or M.S. degree include Geography Concepts; Historical Geography, and Philosophy of Geography. The remainder of the program shall consist of courses selected by the student with the advice and consent of an advising committee.

GERONTOLGY

Certificate in Gerontology

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

Requirements

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

1. PE Core
2. Research Methods, Statistical Methods
3. Professional Specialization

IV. Related Academic Courses

*Minimums of semester hours are determined by advisor.

HISTORy

Master of Arts

Admission to M.A. Program
1. To be admitted unconditionally a student must present 21 (twenty-one) hours of undergraduate preparation in History with at least a 3.0 average in those hours; further, to be admitted unconditionally, the student must have achieved a grade average of 2.75 in his overall undergraduate work and must follow all other admission requirements for Graduate Studies.
2. Students may be admitted provisionally who have less than 21 (twenty-one) hours of undergraduate preparation, or who have not achieved a 2.75 grade average; they shall be removed from provisional status when they become eligible for and have achieved candidacy.
3. An incoming student, not having Historical Research (Hist 493) or its equivalent, must take Hist 493 on a non-graduate credit basis.

M.A. Program with Thesis (Option I)
The program for the Master of Arts degree (Option I) with a major in History will usually be arranged to conform to one of the following general patterns:

Ia. 24 semester hours of approved graduate courses in History, 9 of which must be in courses open only for graduate registration, i.e., seminars. The other 15 hours may be either lecture courses or courses numbered 801V and no more than 6 hours of credit may be taken by a student under this number. A halfof 15 hours must be achieved from each area are indicate where such limits are applicable. The student in consultation with the major adviser will determine the exact courses leading to the degree.

Ib. 21 (twenty-one) hours of undergraduate preparation in History with at least a 3.00 average in those hours; further, to be admitted unconditionally, the student must have achieved a grade average of 2.75 in his overall undergraduate work and must follow all other admission requirements for Graduate Studies. The minor department must be consulted to determine the student's eligibility to do graduate work in that department.

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

M.A. Program without Thesis (Option II)
1. Under this plan the student may earn a Master of Arts degree by completing successfully thirty-six hours of course work, at least half of which must be earned in courses open only to graduate students (V series). No more than nine (9) hours of credit may be taken by a student under courses numbered 801V.
2. In addition to showing broad competency in history, the candidate must pass a written examination on research in history.
3. While there is no requirement for a minor in some field other than history, the student may elect to take a minor in another field, such minor to consist of no less than six semester hours and no more than nine graduate hours. Permission to take a six hour minor may be gained by the adviser's permission, and the approval of the Graduate Program Committee.
4. Whether or not the student elects a minor in an outside field, he shall maintain a reasonable balance between American and non-American fields in history.

When the student initially enrolls, he shall, in conference with the chairperson of the Graduate Program Committee of the Department of History, choose a committee of five members. The chairperson of the History Graduate Program Committee shall, after consultation with the student and his adviser, recommend an advisory committee to the Dean for Graduate Studies and Research for
Candidates for the Master of Science degree in Food and Nutrition must be designated members of the Graduate Faculty from Home Economics.

Lincoln Campus: In addition to this, an important step to initiate a graduate program is to consult with the Graduate Program Chairperson. The listings will be available in Omaha periodically dependent upon demand and staff.

Home Economics graduate offerings at UNO may be used as a minor (HDR or FN) for those purposes. Application for a graduate degree in Home Economics, which can be an approved graduate program at UNO, is selected. The master's degree is also offered by the Department of Food and Nutrition and the Department of Human Development and the Family.

Food and Nutrition: Candidates for the Master of Science degree in Food and Nutrition must hold a Bachelor of Science degree or a Bachelor of Arts degree from an accredited college and have completed undergraduate preparation equivalent to that required in the Basic General Education Core, Home Economics plus at least 10 hours exclusive of freshmen courses in Biochemistry, in Microbiology, and in Physiology for a total of at least 18 hours in Food, Nutrition, and Chemical Sciences including a minimum of 9 hours in the Natural and 6 hours in the Social Sciences.

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Home Economics, which can be an approved graduate program at UNO, is selected. The master's degree is also offered by the Department of Food and Nutrition and the Department of Human Development and the Family.

Procedure for Comprehensive Examination

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.

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

a. If the major area of study is European/English history, the examination will be comprehensive, taking into consideration the student's program of study. The non-European/English portion of the examination will be over the specific courses taken for the minor.

b. If the major area of study is American history, the examination will be comprehensive, divided into two three-hour segments, with the breaking point for the two segments normally following the breaking point of the American history survey (History 111-112). The minor portion of the examination will be over the specific minor courses taken, and will be of three hours duration.

c. If the candidate offers an outside minor, the minor department and adviser will be responsible for the minor examination.

3. The reading committee will consist of the sponsor and one other graduate faculty member elected in the major area. The readers for the minor area will be the instructors of the courses offered in the minor. In the major area, the selection of the second reader shall be made by the sponsor and candidate. Both readers of the major and all readers of the minor area must agree that the candidate has passed the examinations for which they are responsible. In the event of disagreement, a third reader may be consulted as a mediator, and the result he/she supports will be the official result of the examination.

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

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

6. In the event of failure of either all or a portion of the comprehensive examination at least four (4) months shall elapse before the examination in whole or in part may be retaken. Any examination must occur within twelve (12) months following the initial failure.

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

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

Home Economics 46 UNIVERSITY OF NEBRASKA AT OMAHA

Home Economics graduating seniors may be used as a minor (HDR or FN) for those pursuing programs in another discipline. The minor portion should be determined in consultation with a departmental member of the Graduate Faculty from Home Economics.

UNO courses may also be used to satisfy recertification.

Admission to a graduate program in the College of Home Economics requires presentation of the bachelor's degree from an accredited institution. Departments within the college may determine specific course deficiencies.

Applicants for a graduate degree program in Home Economics is to be made to Graduate Studies. Lincoln Campus: In addition to this, an important step to initiate a graduate program is to consult with the chairman of the appropriate department in Lincoln. Dean Hall, Omaha Division, will assist in making such appointments. For a graduate degree in Home Economics, it will normally be necessary to take some courses on the Lincoln campus, though additional graduate course offerings from the Omaha listings will be available in Omaha periodically dependent upon demand and staff.

Interdepartmental area offers graduate work leading to the Master of Science or Master of Arts degree.

Students applying for study in the Interdepartmental Area must hold a bachelor's degree in Home Economics or its equivalent. The undergraduate work must include the equivalent of 24 hours in Home Economics, distributed in at least three subject matter areas and 20 hours in Natural and Social Sciences including a minimum of 9 hours in the Natural and 6 hours in the Social Sciences.

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.

Mathematics

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

Master of Science

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

a. Earn a total of 36 acceptable credits, at least 24 of which must be in mathematics.

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

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

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."
To obtain the M.A.T. degree, the student must:

a. Earn a total of 36 credits, of which 24 must be in mathematics.

b. Include in his program mathematics courses 100T, 102T, 803T, 804T, 823T-870I, and at least one math course at the 800M level or above (Courses 823T-870I may be waived if the equivalent work has been covered in undergraduate courses previously accepted for graduate credit). Note: A student may be required to take the Graduate Record Examination before being allowed to register for 800M level courses.

c. Include in his program secondary education courses 850V, 853V, and at least one additional secondary education course selected from 835V, 839V, 890M, 846V, or 935V.

d. Be listed under the Master of Science above.

e. 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 course work in Political Science or their equivalent as determined by the departmental Graduate Admissions Committee. For unconditional admission the applicant must have at least a 3.0 grade point average in undergraduate political science course work and must satisfy the following GRE requirements. In addition, the department requires two letters of recommendation from persons who are acquainted with the applicant's potential for graduate study before an applicant can be considered for unconditional admission.

**Degree Requirements:**
- The program is designed for those who expect to pursue a doctoral degree.
- The student must satisfactorily complete thirty semester hours, twenty-four of course work and six of thesis supervision.

**Master of Arts**

**Degree Requirements:**
- The program is designed for those who expect to pursue a doctoral degree.
- The student must satisfactorily complete thirty semester hours, twenty-four of course work and six of thesis supervision.

**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 at the M level, including 800V (Research Methods). There will be comprehensive examinations in the two emphasized fields and 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 at the M level, including 800V (Research Methods). There will be comprehensive examinations in the two emphasized fields and oral defense of the thesis.

**PSYCHOLOGY**

**Admission Requirements:**
A minimum of 15 undergraduate semester hours of psychology courses including basic statistics and an upper level laboratory course emphasizing the experimental method, data collection, statistical analysis, and report writing; Graduate Record Examination scores on the Verbal, Quantitative, and Advanced Psychology sections are not required. However, applicants who believe that such letters would provide information that is important and that they have clearly communicated in other documents are encouraged to have one or more letters submitted in their behalf. Three letters of recommendation are required of those applicants who are seeking a departmental graduate assistantship or are applying to a post-masters program. Exceptions to these admission requirements may be made on an individual basis.

**Master of Arts**

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

**I. Psychology 894 (Proseminar in Personality)**
- A. Psychology 941 (Proseminar in Research)
- B. Psychology 942 (Proseminar in Personality)

**IV. A. Psychology 941 (Proseminar in Personology)**
- B. Psychology 942 (Proseminar in Personology)

The student must earn a grade of at least B in the four required courses. If a C is earned, or a work grade is recorded, in one or more of these courses, the student may be required to repeat the course. The student may be required to complete the degree program under special conditions. The dissertation committee will make a final decision on the student's eligibility for graduation.

The remainder of the student's course work is elective, but must be planned in conference with the academic advisor. Psychology 890V is a non-credit course intended to familiarize the beginning graduate student with the profession of psychology and is required of all graduate students in psychology. The student may emphasize one of the following areas: quantitative, physiological, general experimental, social, personality, developmental, educational, and industrial/organizational psychology. Final determination of a student's plan of study is at all times subject to the advisor and the department. To meet the graduate student requirements a student must take at least half of the work in courses which are open only to graduate students.

**Master of Science**

To complete the M.S. with a major in industrial/organizational psychology or the M.S. with a major in educational psychology, the student must present 36 hours of graduate course work in psychology, or 21 hours in psychology plus 9 hours in a related minor field. The M.S. degree has the same proseminar requirement as the M.A., and all rules concerning proseminar courses are the same in both programs, as well as the requirement of Psychology 890V.

**Specialist in Education**

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

**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 psychology, as well as in experimental, and in developmental and educational psychology. Students may be considered for admission to a doctoral program if they have completed or are doing excellent work toward their Masters degree which includes a demonstration of research capability. The student must be from the Political language or research skills, or knowledge in collateral areas, such as statistics, must be demonstrated by departmental examination and the departmental Graduate Committee.

**Summary of Procedure for the Doctor of Philosophy Degree**

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

1. Admission to the UNL Graduate College by the evaluation of official transcripts presented in person or by mail prior to registration.
2. Registration in the Graduate Office of a supervisory committee on the recommendation of the student's major and minor departments.
3. Appointment by the UNL Graduate Office of a supervisory committee on the recommendation of the student's major and minor departments.
4. Submission to the UNL Graduate Office of a program approved by the supervisory committee setting forth the complete plan of study for the degree prior to completion of more than half of the minimum requirements.
5. Satisfactory completion of foreign language or research tool requirements set forth in the approved plan of study and passing of comprehensive examinations in major and minor or related fields when the student's program of courses is substantially completed.
6. Submission of the UNL Graduate Office of a report from the supervisory committee on the specific research for the dissertation and progress to date.
7. Admission to candidacy for the Ph.D. degree by filing a report in the Graduate Office of the passing of the comprehensive examinations and the completion of language and research requirements (at least seven months before the final oral examination).
8. Filing of an application for the degree at the Registration and Records Office, Information window, 208 Administration Building at UNL. This application is effective during the current term only. It must be renewed at the appropriate time if requirements for graduation are not completed until the next later term.
9. Presentation of the dissertation and the abstract to the members of the reading committee in sufficient time for review and approval, which must be obtained at least three weeks prior to the final examination.

10. Presentation to the Graduate Office of two copies of the approved dissertation, three copies of the approved abstract, and the application for the final oral examination at least three weeks prior to the date of that examination.

11. Filing of any required final oral examination

12. Deposition of two copies of the dissertation in proper form, one copy of the abstract, and a signature of the student indicating the dissertation and publication of the abstract, with the UNL Director of University Libraries. Delivery of the certificate of deposit, signed by members of the supervisory committee, the UNL Director of University Libraries, and UNL Comptroller, to the Graduate Office.

In addition, one bound copy of the dissertation is to be deposited with the student’s major department.

Professional Programs in the Area of School Psychology

Application

Students may take work leading to a recommendation for certification as a school psychologist. A minimum of three semester hours of work beyond the Masters degree is required for the recommendation. Filing of an acceptable plan of study with the Graduate Office will be required on admission to the program. Students will arrange their programs according to the subject matter areas below. In addition to the courses required for the thirty hours beyond the Masters degree, the student must complete requirements for the Master of Science in Educational Psychology or its equivalent. Since individual students may have variable backgrounds, considerable flexibility is allowed in choice of electives. However, the final decision on the appropriateness of a program rests with the Psychology Department. Students should contact the School Psychology Committee when starting their studies in order to facilitate individual program planning. The student’s advisor should be a member of the School Psychology Committee.

The Ed.S. degree in school psychology requires completion of sixty-six graduate hours including those taken for the Masters degree. The degree candidate is required to complete the following:

1. Required Courses in Psychological Methods

Psychology 831 (or 431) Psychological and Educational Testing
Psychology 800V The Profession of Psychology
Psychology 833V Individual Tests I
Psychology 854V Individual Tests II
Psychology 851V Advanced Educational Psychology
Psychology 858V Personality Assessment
Psychology 979 Topical Seminar in School Psychology (3-9 hours)

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 the Mentally Subnormal Child

2. Required Professional Education Courses

COUN 824V Counseling Practices
EDAD 83V Foundations of Educational Administration and Supervision

One of the following two courses:

Eled 843V, Introduction to Curriculum Planning-Elementary

3. Required Supportive 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 fields other than those specified above. The student must also have had course work in both learning and developmental psychology.

4. Practicum in School Psychology

A minimum of 200 clock hours are required for certification in Nebraska. The general rule is that students must complete their children treatment and internship experience. At least half is to be done in a school setting. The student’s practicum is to be approved by the School Psychology Committee prior to initiation.

Psychological Assistant

Students who are pursuing work toward endorsement in Nebraska as a Psychological Assistant must simultaneously complete requirements for the M.A. or M.S. Those seeking such endorsement are encouraged to apply to the Psychology Department at the same time they are applying for a degree candidacy in order to ensure that required courses are included in the plan of study for the degree. Students who have not been admitted to the School Psychology Department must complete one of the following in order to satisfy psychology courses in the program before enrolling in Psychology methods courses in the program. Students in the program are required to complete three psychology courses in the program are Psychology 812M (431), 800V, 855V, 860M (or 460). The student must also have had course work in both learning and developmental psychology.

Recommendaion for Certification

Upon completion of the approved program of study the student requests review for the School Psychology Committee’s recommendation for certification as a school psychologist or psychological assistant. The student is expected to have completed the program satisfactorily (8 or better) and maintained the professional standards of school psychology. The student in training is expected to behave in accordance with the ethical guidelines of the American Psychological Association and the National Association of School Psychologists.

NOTE: The requirements for the School Psychology Program and/or for certification as a school psychologist by the State Department of Education are presently under review and are subject to change without notice.

PUBLIC 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 wish to enhance their teaching and counseling skills. Administrators are required for a wide variety of governmental programs and students in the Master of Public Administration program will likely come from widely differing backgrounds. Some may come from current public employment while others may enter 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 as prerequisites a course in 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 in this case it will advise the student on a provisional basis to meet the deficiency in Introduction to Public Administration. The deficiency is to be removed during the first year of the program when the student is enrolled as a graduate student.

In addition, if the student’s undergraduate preparation in the social sciences is insufficient or if the student lacks prerequisites for certain graduate courses additional course work may be prescribed which will be completed before unconditional admission is accorded. If an applicant has more than 9 hours of deficiencies he/she will be advised to remove these before being considered for any type of admission. These additional courses do not carry 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 in writing by the Department.

The student will be assigned an advisor in the Public Administration Department. If the student chooses another other than General Public Administration or Local Government, an advisor from that field will also be assigned to the student.

Degree Requirements

Thirty-six hours consisting of thirty hours of course work plus 6 hours of internship in a public agency for 4-12 months. In the event the governmental agency or jurisdiction sponsoring the internship...
The Planning Options (15 hours to include CRP 811 and CRP 828 plus nine hours of course work from the following list.)
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 828, Planning Administration and Implementation
Elective courses:
CRP 813, Planning Process and Theory
CRP 845/855, Housing Renewal and Development
CRP 812, Environmental Quality and Control - Land, Air, and Water

Public Works/Civil Engineering Option (15 hours from the following selected list 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 taken either or both of the preceding criminal justice courses. The objective is to provide a broad based curriculum in the liberal arts and sciences with a focus on public administration.

P.A. 800M, Public Budgeting or 846V Seminar in Public Financial Management if credit has been earned in 440/440M
P.A. 841M, Public Personnel Management or 846V Seminar in Personnel Administration if credit has been earned in 441/841M
P.A. 801V, Seminar in Public Administration

P.A. 803U-804U, Internship

General Public Administration (15 hours from the following selected list in consultation with Adviser.)
As a rule, no degree can be awarded in the same semester as candidacy for the degree is approved. No degree can be awarded in the same semester as candidacy for the degree is approved.

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P.S. 849M, State and Local Finance
P.A. 846V, Seminar in Public Personnel Administration
P.A. 847M, Health Aspects of Aging
P.A. 834V, Seminar in Health Care Administration
P.A. 848V, Seminar in Public Financial Management
P.A. 849V, Seminar in Social Work
P.A. 850V, Seminar in Social Welfare Administration
P.A. 851V, Seminar in Public Finance
P.A. 852V, Social Work Administration
P.A. 853V, Social Work Planning
P.A. 855V, Social Work Practice in Mental Health
P.A. 856V, Social Work Practice in Child Welfare
P.A. 857V, Social Work Practice in Mental Health
P.A. 858V, Social Work Practice in Child Welfare
P.A. 859V, Social Work Practice in Child Welfare
P.A. 860V, Special Studies in Social Welfare
P.A. 861V, Seminar in Criminal Justice Planning
P.A. 862V, Seminar in Criminal Justice Planning and Administration
P.A. 863V, Seminar in Social Work Administration
P.A. 864V, Seminar in Social Work Administration
P.A. 865V, Seminar in Social Work Administration
P.A. 866V, Seminar in Social Work Administration
P.A. 867V, Seminar in Social Work Administration
P.A. 868V, Seminar in Social Work Administration
P.A. 869V, Seminar in Social Work Administration
P.A. 870V, Seminar in Social Work Administration
P.A. 871V, Seminar in Social Work Administration
P.A. 872V, Seminar in Social Work Administration
P.A. 873V, Seminar in Social Work Administration
P.A. 874V, Seminar in Social Work Administration
P.A. 875V, Seminar in Social Work Administration
P.A. 876V, Seminar in Social Work Administration
P.A. 877V, Seminar in Social Work Administration
P.A. 878V, Seminar in Social Work Administration
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P.A. 887V, Seminar in Social Work Administration
P.A. 888V, Seminar in Social Work Administration
P.A. 889V, Seminar in Social Work Administration
P.A. 890V, Seminar in Social Work Administration
P.A. 891V, Seminar in Social Work Administration
P.A. 892V, Seminar in Social Work Administration
P.A. 893V, Seminar in Social Work Administration
P.A. 894V, Seminar in Social Work Administration

Gero 811M, Applied Social Gerontology
Gero 821M, Health Aspects of Aging
Gero 827M, Gerontology Psychology
Gero 830M, Seminar Studies in Gerontology
Gero 853M, Gerontology Psychology

Gero 801V, Seminar in Social Work Administration
Gero 802V, Seminar in Social Work Administration
Gero 803V, Seminar in Social Work Administration
Gero 804V, Seminar in Social Work Administration
Gero 805V, Seminar in Social Work Administration
Gero 806V, Seminar in Social Work Administration
Gero 807V, Seminar in Social Work Administration
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Gero 888V, Seminar in Social Work Administration
Gero 889V, Seminar in Social Work Administration
Gero 890V, Seminar in Social Work Administration

University of Nebraska at Omaha 53
SECONDARY/POST-SECONDARY EDUCATION

Major in Secondary Education

Programs in Secondary Education are developed on an individual basis by the student and the advisor. They are designed to extend academic background and instructional skills of secondary school teachers.

To pursue degree work in the Department, students must hold a valid secondary teaching certificate. During the first semester of enrollment students must take the Graduate Record Examination including the Advanced Test in Education. To be admitted to candidacy the combined scores on the Verbal, Quantitative, and Advanced GRE Tests must total at least 1200. Students are expected to file their Application for Candidacy before they complete more than 18 hours of graduate work and no more than 18 hours of completed course work may be included in the proposed program of graduate studies.

Master of Science (Minor)

AREA

<table>
<thead>
<tr>
<th>I. SED Core Requirements</th>
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<tbody>
<tr>
<td>SED 62V, Seminar in Secondary Education</td>
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<tr>
<td>SED 630V, Emerging School Curriculum</td>
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<tr>
<td>A course selected from the following:</td>
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<tr>
<td>a. FED 610V, Introduction to Research</td>
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<tr>
<td>b. A research course in an academic discipline</td>
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<tr>
<td>c. Tests and Measurements</td>
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<tr>
<td>d. Statistics</td>
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<tr>
<td>SED 8 Improvement of Instruction for Appropriate Subject Area</td>
<td>6</td>
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<tr>
<td>II. Professional Supporting Work</td>
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<tr>
<td>SED 633V, Analysis of Teacher Behavior</td>
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<td>SED 646V, Simulation/Gaming Laboratory</td>
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<tr>
<td>SED 956V, Seminar in Application of Non-Verbal Communication Theory</td>
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<td>III. Related Professional Courses</td>
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<tr>
<td>IV. Related Academic Courses (by advisement)</td>
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<td>Total: 36 hours</td>
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Master of Science (without Minor)

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<tr>
<td>SED 956V, Seminar in Application of Non-Verbal Communication Theory</td>
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<tr>
<td>SED 217V, International Curriculum Practices</td>
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<tr>
<td>III. Related Professional Courses</td>
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<tr>
<td>IV. Related Academic Courses (by advisement)</td>
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<td>Total: 36 hours</td>
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UNIVERSITY OF NEBRASKA AT OMAHA

IV. Related Academic Courses

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

AREA

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<tr>
<td>SED 827V, International Curriculum Practices</td>
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<tr>
<td>III. Thesis (SED 999)</td>
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<tr>
<td>IV. Related Professional Specialization Courses and/or Academic Courses</td>
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<tr>
<td>Total: 36 hours</td>
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</table>

Students who seek the Master of Science Degree must take a written Comprehensive Examination. The examination is administered in two parts. Part I must be taken after the student has completed 18 hours of graduate work and before more than 24 hours are completed. This portion of the examination will deal with concepts common to the programs of all students who enroll in the Department. Part II of the examination is administered during or after the semester or summer session in which the last course of the program of studies will be completed. This portion of the examination deals with concepts that are unique to each student's program but may also 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.

SOCIAL WORK

The Profession of Social Work

Social work is one of the "helping professions" concerned with the quality of human life. Specifically, the social worker is concerned with man's ability to function meaningfully and effectively in his environment (i.e., his family, friends, associates, and the community at large). The social worker brings specialized knowledge to bear on his dealings with people individually, in families, in other group and collective associations, with communities, societies, and organizations, with a view to helping in the resolution of problems which cause stress in social transactions. In these endeavors, social workers are employed in public and private counseling agencies and service, medical settings, schools, residential and community agencies, providing care for the mentally ill and retarded, court and correctional agencies, community planning, and development agencies and programs. Their endeavors and interventions are designed to promote more effective functioning of society as it struggles to "provide for the general welfare" as well as to help the people, families, groups, and institutions within the society toward self fulfillment.

Requirements for the Degree of Master of Social Work

1. A minimum of one year in residence.
2. There are two programs leading to the Master of Social Work degree. The Advanced Standing Program, for students with an approved Bachelor's degree in social work, requires 42 credit hours of graduate study in social work, which may be completed in a minimum of two semesters and a full summer. The Two Year Program for students with a Bachelor's degree not in social work, requires the same 42 credit hours plus an additional year in residence.

The Department of Secondary Education may be taken only with special permission of the advisor before enrollment.
SOCIETY

Applicants for admission to the graduate program in sociology must present a minimum of 15 undergraduate semester hours in sociology including a course 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 with majors in sociology require the incoming student to complete an examination covering basic concepts and theories of the field. The examination is used in counseling the student in his degree program. In addition the student must demonstrate proficiency in sociology through successful completion of 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 his 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.

Graduate Requirements—STUDENT TEACHING

Graduate students may be assigned to teach college level courses under the supervision of a sociology faculty member. This teaching experience is to be included in the student's graduate record and the student is responsible for the content of the course taught. Students may teach only upon the written permission of the Sociology Department and only after satisfactory completion of the comprehensive examinations required by the major.

Special Education

This program is 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:

I. 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. Successful completion of twice annually and other times as required. Detailed explanations of graduate requirements should be secured through the Sociology Office.

The M.A. degree should be sought by students preparing for college-level teaching and content 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 802V during the same semester.

3. Details about research, practicum, and other course requirements may be obtained from the

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 thesis not to exceed six semester hours.

5. Have successfully completed a minimum of twenty-four semester hours of work preparatory to admission to the major. These hours are included in the following college field and electives:

SPED 140, Introduction to Communication Disorders

SPED 433, Speech Reading and Auditory Training

SPED 437, Hearing Disorders

SPED 438, Speech Science I: Speech Mechanisms

SPED 439, Hearing Science

SPED 444, Speech Pathology I: Rhythm and Symbolization

SPED 445, Speech Pathology 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

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

a. Required Courses:

FED 801V Introduction to Research

SPED 851V Advanced Clinical Practicum in Speech Pathology (schools)

SPED 852V Advanced Clinical Practicum in Speech Pathology (externship)

SPED 846V Diagnostic Methods in Communicative Disorders

SPED 848V Advanced Audiology

SPED 870, Seminar in Special Education

SPED 899V, Thesis (6 hrs.)

b. 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 by the members of the committee, following oral examination, which may include questions of a comprehensive nature from 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 certified or have near certification 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. Successful completion of twice annually and other times as required. Detailed explanations of graduate requirements should be secured through the Sociology Office.

The M.A. degree with a major in applied sociology should be secured by the student's previous course work and/or tested knowledge.

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

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.

OR:

a. a major of 15 semester hours in mental retardation.

b. a minor of nine semester hours in a related field of interest.

5. For those students who wish to work toward special state certification in the schools, adviser 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:

a. Required Courses:

FED 801V Introduction to Research

SPED 851V Advanced Clinical Practicum in Speech Pathology (schools)

SPED 852V Advanced Clinical Practicum in Speech Pathology (externship)

SPED 846V Diagnostic Methods in Communicative Disorders

SPED 848V Advanced Audiology

SPED 870, Seminar in Special Education

SPED 899V, Thesis (6 hrs.)

b. 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 by the members of the committee, following oral examination, which may include questions of a comprehensive nature from the curriculum as well as the thesis.
must be eligible for teacher certification at the undergraduate level. Upon successful completion of the MAT, 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.

### Master of Science: Reading

The Master of Science degree with a major in reading conforms to standards of the International Reading Association for the professional training of Reading Specialists. Applicants for admission must be eligible for teacher certification at the undergraduate level. Upon successful completion of the program, the student is recommended for K-12 endorsement in reading in Nebraska. 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.

1. **Core Professional Courses**
   - 18 hours
   - Including work in graduate reading courses SPED 911, 912, 811V, 814V, 891V, or their equivalent.

2. **Related Professional Courses**
   - 6 hours
   - Including Introduction to Reading and selected work in such areas as foundations and general education, elementary education, secondary education, special education, and psychology.

3. **Related Coursework**
   - 12 hours
   - Including selected work in such areas as graduate and counseling and/or the various subject areas mentioned under sections I and II.

### Master of Science: Speech Pathology

The Master of Science degree with a major in speech pathology includes 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 can be processed.

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

4. Have successfully completed a minimum of twenty-four semester hours of work in psychology to be admitted to the major. These hours are to include the following courses or their equivalents:
   - SPED 440, Introduction to Communication Disorders
   - SPED 433, Speech Reading and Auditory Training
   - SPED 437, Speech Disorders
   - SPED 438, Speech Science I: Speech Mechanics
   - SPED 459, Hearing Science
   - SPED 441, Speech Pathology I: Child Language and Articulation
   - SPED 444, Speech Pathology II: 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 452, Childhood Language Disorders
   - Psy 213, Statistics
   - Psy 214, Introduction to Psychology

5. For those students who wish to work toward special state certification in the schools, advisement consultation should be sought early since additional coursework (not applicable to the student's academic program) and/or attendance at afternoon and summer sessions are often necessary to complete state certification requirements.

### Required Courses

- 30 credit hours
- Includes a selection of courses required to complete the major.

#### I. Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 820M</td>
<td>History, Education and Guidance of the Deaf</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 821M</td>
<td>Teaching of Speech to the Deaf I</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 822M</td>
<td>Teaching Speech to the Deaf II</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 823M</td>
<td>Teaching Language to the Deaf I</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 824M</td>
<td>Teaching Language to the Deaf II</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 833M</td>
<td>Auditory and Speech Mechanism</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 834M</td>
<td>Hearing Disorders</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 835M</td>
<td>Auditory and Speech Mechanism</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 836M</td>
<td>Communication Disorder in the Elementary and Secondary Schools</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 837M</td>
<td>Hearing Science</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 839M</td>
<td>Hearing Science</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 843M</td>
<td>Curriculum Planning for the Disabled</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>SPED 850M</td>
<td>Special Projects</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>SPED 851V</td>
<td>Seminar in Special Education</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>SPED 852V</td>
<td>Seminar in Special Education</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>SPED 863M</td>
<td>Special Projects</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>SPED 872V</td>
<td>Advanced Student Teaching</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>SPED 873V</td>
<td>Advanced Student Teaching</td>
<td>3 hrs.</td>
</tr>
</tbody>
</table>

Minimum of 38 hours. Competency in manual communication is required for student teaching. Comprehensive examination is required.

### Master of Science: Teaching the Mentally Retarded

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

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

2. Applicants to the M.S. degree with a major in Mental Retardation must be approved by the Dean for Graduate Studies and Research and the Major advisor.

3. Applicants should 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 review of the applicant's transcript and his/her related experiences in teaching children).
5. Thirty-six hours of course work and practicum may be taken from the following required and elective courses:

I. Required Courses:...

II. Electives:...

Master of Science: Resource Teaching in Learning Disabilities:

Resource Teaching in Learning Disabilities is a specialized training program designed to prepare the graduate student in identification, analysis, and intervention techniques relative to children who have specific learning disabilities. Since the program assumes a knowledge of "normal" learning development, the student should enter the program with a strong background in learning theory, child growth and development, curriculum development, and methods and techniques of teaching.

The program is divided into three sequential parts which provide experiences necessary to develop comprehensive knowledge, specific diagnostic and intervention skills, and practical application. The student will be comprehensively evaluated by general learning theory, specific diagnostic and intervention skills, and practical application. Upon completion of the program, the student will receive a Master's degree in Special Education with a specialization in Learning Disabilities. Other roles which the student could assume as a result of this program are clinical teacher, diagnostic teacher, and self-contained learning disabilities teacher. These positions are available only according to local school district job descriptions.

Entrance 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. Teaching Certification

A. The applicant must hold a teaching certificate from a state education agency, or be eligible to teach in elementary or secondary grades or special education.

B. Students accepted into the program without certification must complete the following:...

3. Teaching Experience

Students must have completed a minimum of two years of successful teaching in pre-school, kindergarten, elementary, secondary, special education, or special services before final entrance into the program is granted. It is possible for students to begin the program without teaching experience, however, orientation and/or endorsement in areas of special education will be offered at the graduate level where certification/endorsement is available at the undergraduate level.

4. Pre-requisite courses

Regardless of the student's major area of study coming into the program, his/her transcript must show courses, graduate or undergraduate, which relate to:

A. Child Development - 3 hours
B. Learning Theory - 3 hours
C. Curriculum Development - 3 hours
D. Student Teaching (or equivalent) - 3 hours
E. Methods Courses - 3 hours
F. Pre-Clinical 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-clinical 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, aptitude, and interest in various problems of teaching and approaches to pupil-teacher relations.

C. Objective Test — this is designed to examine the student's past and present exposure to theories 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/language and behavioral deficits. It is also designed to give the student a foundation for the inquiry approach to problem solving. Courses for Step I include the following:

2. Electives (3 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE 813V</td>
<td>Diagnostic and Corrective Instruction (3)</td>
</tr>
<tr>
<td>SPE 829M</td>
<td>Learning Materials for Early Childhood Education (3)</td>
</tr>
<tr>
<td>SPE 831V</td>
<td>Child Assessment in Early Childhood (3)</td>
</tr>
<tr>
<td>SPE 845T</td>
<td>Advanced Instruction in Reading (3)</td>
</tr>
<tr>
<td>SPE 875V</td>
<td>Diagnostic and Remedial Techniques for Early Childhood (3)</td>
</tr>
<tr>
<td>SPE 877V</td>
<td>Vocational Curriculum Construction (3)</td>
</tr>
</tbody>
</table>

Other secondary methods courses
Enrollment 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

2. 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 2.5) (See Graduate Catalog). The student must maintain a "B" average for graduate work.

3. The Miller Analogies Test must be taken prior to evaluation of admission application. The student must score 55 for provisional admission and 45 for unconditional admission.

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

5. An informal interview with the advisor.

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

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

8. Students must fulfill all other enrollment 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 endorsement as a teacher of the Emotionally Disturbed, K-12.

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

3. Courses

   Step I — 12 hours

   Required
   SPED 801, Introduction to Research — 3 hours
   SPED 882, Educ. Strategies for Ed Child and Adol — 3 hours
   SPED 840, Emotional/Social Development of Children and Youth — 3 hours
   SPED 844, Learning Disabilities — 3 hours

   Electives
   SPED 866, Interdisciplinary Approaches to Developmental Disabilities — 3 hours
   PSY 844, Abnormal Psychology — 3 hours
   PSY 845, Personality Theories — 3 hours
   PSY 839, Psychology of Exceptional Children — 3 hours
   PSY 851, Advanced Educational Psychology — 3 hours

   Comprehensive Examination

   Step II — 12 hours

   Required
   SPED 895, Diagnosis of Learning Disabilities — 3 hours
   SPED 883, Practicum in Teaching Emotionally Disturbed — 3 hours
   SPED 875, Childhood Language Disorders — 3 hours

Electives

SPED 896, Advanced Diagnosis of Learning Disabilities — 3 hours
SPED 813, Diagnosis and Remedial Instruction in Reading — 3 hours
SPED 875, Childhood Language Disorders — 3 hours
PSY 831, Psychological and Educational Testing — 3 hours
PSY 863, Techniques of Programmed Instruction — 3 hours
PSY 856, Learning in Children — 3 hours
PSY 857, Behavior Modification — 3 hours
Comprehensive Examination

Step III — 12 hours

Required
SPED 870, Seminar in Special Education — 3 hours
SPED 871, Parent/Professional Relationships — 3 hours
SPED 884, Advanced Practicum in Teaching Emotionally Disturbed — 3 hours
SPED 800, Special Projects — 1 hour
NPE 852, Group Dynamics — 2 hours

URBAN STUDIES

Master of Science With a Major in Urban Studies

This is a professional graduate degree which is designed: (1) to prepare students for human service careers in an urban setting; (2) for research or teaching in this field; (3) for those already involved in urban 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.

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 must be completed before he is accorded unconditional admission. 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, 802V, 833V, 844V; a course in research methods; and one of the following: Urban Studies 800M or Community and Regional Planning 811M, 813M, 815M, or 924. 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 800M, 830V, 844V; Geography 810M, 833M, 844M; Counseling and Guidance 829M, 830V, 839V; Geography 812M, 880V, 881V, Sociology 810M, 814M, 875M. A maximum of nine hours of optional credit may be selected from Economics 831M, 832M, 833M, 883V, History 842M, 844M, 847M; Geography 800M, 811M, 815V; 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, although a thesis is not required.
NON DEGREE AREAS

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

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

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

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

Gerontology
The Gerontology Program does not offer a degree. Graduate courses are offered to fulfill requirements for a minor field or as selected courses on a plan of study. Therefore, the courses offered are not concentrated in one particular area, but are offered in a variety of areas to afford the student the opportunity of specializing in Gerontology within his major field of study or as a non-degree student. Persons admitted to the Gerontology Program may earn the Certificate in Gerontology upon completion of at least fifteen semester hours of coursework in gerontology plus an approved practicum. The Certificate in Gerontology program can serve as a cognate area for graduate candidates in many of the human service and behavioral science degree programs.

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

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

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

Art

Studio Art

831M Advanced Sculpture (3) Advanced work in area of student's choice with facilities for etching, welding, and wood working. Prereq: Art 331 and permission of instructor.

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

851M Advanced techniques in printmaking (3) Intaglio, lithography, collagraph, and the 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 (2) Advanced problems in sculptural media. Prereq: Art 431 and permission.

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

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

Biology

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


337/837J 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: For 373, Biology 145, junior-senior. For 873, Biology 145.

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

384/884J Embryology (4) A study of the principles of development in multicellular organisms, including current concepts derived from experimental embryology, with emphasis on vertebrate morphogenesis. Prereq: General zoology, Biology 175, and a course in vertebrate anatomy.

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

413/813M Problems in Ecosystem Management (2) Directed study in the application and evaluation of methods used for managing native and reestablished ecosystems; the principal study site is the 65 ha. Allwine Prairie Preserve. Strong emphasis is placed on field work. Prereq: Graduate standing in Biology and permission of the instructor required.

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

416/816M Experimental Genetics (3) Laboratory studies in genetics emphasizing experimental techniques and laboratory experiences with a variety of organisms. Prereq: Biology 214, or permission of instructor.

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

423/823M Organic Evolution (3) A study of organic evolution in terms of informations which support the theory and the mechanisms involved in the process. Prereq: For 423, Biology 214, Junior-senior. Lecture and discussion only. For 823m, Biology 214. Lecture and discussion only.

427/827M Animal Behavior (3) Behavior of div-
<table>
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<tr>
<th>COURSE DESCRIPTIONS</th>
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### BIOLOGY (18 credits)

#### 433/833M Animal Physiology (4)
A comprehensive study of animal physiology, focusing on mechanisms of regulation and control. Prerequisite: For 474, Biology 175, vertebrate anatomy, organic chemistry, and psychology, or permission of the instructor. Junior-senior. Lecture only. For 833M, Biology 175 and Psychology 101 or permission of the instructor. Lecture only. (Same as Psychology 433/833M)

#### 478/878M Vertebrate Zoology (4)
A study of the general biology of the subphylum vertebrata including the observations of the morphogenetics of vertebrates. Prerequisite: For 478, Biology 175. Junior-senior. For 878M, Biology 175. For 478, permission of the instructor.

#### 802V Seminar in Zoology (1)
A seminar on the professional literature in various areas of biology. Prerequisite: Sufficient reading and writing skills to pursue additional studies in a preferred area. Graduate students in biology must complete this course twice with credit. Prerequisite: Graduate standing.

#### 801V Problems in Biology (2)
Research investigation in various areas of biology. Prerequisite: Sufficient reading and writing skills to pursue additional studies in a preferred area. Permission of the instructor or graduate advisor. (Same as Psychology 801V, 833V, 864M).

### BUSINESS (15 credits)

#### 811H Survey of Accounting (3)
The uses of accounting for purposes of control and decision making by managers, stockholders, creditors and others. Prerequisites: This course is for the graduate student who has not taken principles at the undergraduate level.

#### 818H Analytical Foundations of Economics (3)
Fundamental principles of microeconomics and macroeconomics, with emphasis on applications to business students.

#### 899 Thesi (1-6)
Independent research project written under the supervision of a faculty committee.

### Black Studies

#### 450/850M International African Community Field Research (4-6)
A study of the general principles of research, including field methods and research design. Prerequisite: For 450M, permission of the instructor. Junior-senior. For 850M, permission of the instructor. Graduate standing.

#### 450/850M African Community Field Research (4-6)
A study of the general principles of research, including field methods and research design. Prerequisite: For 450M, permission of the instructor. Junior-senior. For 850M, permission of the instructor. Graduate standing.

### Business Administration

#### 811H Survey of Accounting (3)
The uses of accounting for purposes of control and decision making by managers, stockholders, creditors and others. Prerequisites: This course is for the graduate student who has not taken principles at the undergraduate level.

#### 818H Analytical Foundations of Economics (3)
Fundamental principles of microeconomics and macroeconomics, with emphasis on applications to business students.

#### 899 Thesis (1-6)
Independent research project written under the supervision of a faculty committee.

### Black Studies

#### 450/850M International African Community Field Research (4-6)
A study of the general principles of research, including field methods and research design. Prerequisite: For 450M, permission of the instructor. Junior-senior. For 850M, permission of the instructor. Graduate standing.

#### 450/850M African Community Field Research (4-6)
A study of the general principles of research, including field methods and research design. Prerequisite: For 450M, permission of the instructor. Junior-senior. For 850M, permission of the instructor. Graduate standing.

#### 450/850M International African Community Field Research (4-6)
A study of the general principles of research, including field methods and research design. Prerequisite: For 450M, permission of the instructor. Junior-senior. For 850M, permission of the instructor. Graduate standing.

#### 450/850M African Community Field Research (4-6)
A study of the general principles of research, including field methods and research design. Prerequisite: For 450M, permission of the instructor. Junior-senior. For 850M, permission of the instructor. Graduate standing.
336V Business Information Systems (3) A study of hardware, software, and information systems and the methods by which they are constructed and of the opportunities and problems associated with this activity. Prereq: BA 800V.

344V Applied Quantitative Analysis (3) A collection of case-oriented models and techniques applied to a variety of business problems in a case study format. Prereq: BA 800V.

366V Business Forecasting (3) This course is concerned with the statistical measurement and evaluation of business conditions trends using both subjective and objective techniques. Emphasis is placed on the development and application of the statistical techniques of analysis to the business situation and the changes in the framework of the aggregate economy. Prereq: Econ 800 or 202.

388V Business Forecasting (3) This course includes a critical survey of forecasting methods and in-depth study of selected techniques. Emphasis is on the estimation and its uses in business environments. Emphasis is given to application and therefore students will be required to develop forecasting models and test their performance as part of their course. Prereq: BA 800V or Econ 430M or permission of instructor.

381V Managerial Economics (3) Economic analysis of the business firm and its environment including market structure, pricing, production possibilities and costs factors. The course is structured to give the themes under conditions of uncertainty. Prereq: Econ 201 and 202 or Econ 800.

386V Business Forecasting (3) A study of the concept, analysis, and procedures of accounting. Emphasis will be placed on the theoretical and non-financial information which provides management with information for planning and controlling operational operations. Emphasis will be placed on decision making and long-range planning; and for external reporting to stockholders, governments, and interested parties. Prereq: Accounting Principles. This course is taken concurrently with Managerial Accounting at the undergraduate level and should be taken in BA 820V, BA 825V, or BA 825L.

382V Business Forecasting (3) A study of the concept, analysis, and procedures of accounting. Emphasis will be placed on the theoretical and non-financial information which provides management with information for planning and controlling operational operations. Emphasis will be placed on decision making and long-range planning; and for external reporting to stockholders, governments, and interested parties. Prereq: Accounting Principles. This course is taken concurrently with Managerial Accounting at the undergraduate level and should be taken in BA 820V, BA 825V, or BA 825L.

383V Control Systems (3) An analysis of the concept and basic techniques of the controller function with emphasis on operational control and long range budgeting. Prereq: BA 800V or the equivalent of Managerial Accounting at the undergraduate level.

384V Seminar in Accounting (3) A study of a problem area which may be independent or in collaboration with public, private, and governmental accounting agencies. Students must complete BA 800V or the equivalent of Managerial Accounting at the undergraduate level.

385V The Environment of Management (3) A course examines both the intra-organizational processes of managerial planning, decision making, organizing, and controlling as well as the external environment's impact on these processes. A systems framework is used to examine the environment, which includes an examination of factors which influence the practice of management.

381V Human Behavior in Organization (3) An interdisciplinary study of the processes involved in the functioning of business policies. Emphasis is placed on the demonstration of health and organizational behavior as well as the underlying concepts and ideas of organizational psychology. Prereq: MGB 349 or BA 814J and written permission of the CBA Graduate Coordinator. Prereq: Econ 800 or 202.

382V Personal Administration (3) Extensive treatment of the relevant theories, methods, and coverage of certain new methods, techniques, and procedures that relate to personal administration and business management. Management is made to select and present material to illustrate the importance of aspects of resource management and personnel administration, as related to human problems in organizations. Prereq: BA 831V.

383V Seminar in Management (3) A student participation course emphasizing current issues and problems in the areas of management theory and practice. Prereq: BA 830V and BA 831V.

384V Marketing Policies (3) A marketing management approach to the determination of policies employed in solving marketing problems. Prereq: Mkt 331 or BA 815J.

390V Business Forecasting (3) A study of the methods, research, and policies needed to develop and administer an effective marketing program. Prereq: Mkt 331 or BA 815J.

395V Business Forecasting (3) Exploration, study, and critical analysis of marketing problems, trends, methods, and approaches for seminar discussion and written report. Prereq: BA 840V.

396V Financial Management (3) Examines the problems of managing the financial operations of an enterprise with emphasis on analysis and solutions of long-term and short-term capital requirements. Prereq: BA 830V, 831V.

396V Financial Management (3) Examines the problems of managing the financial operations of an enterprise with emphasis on analysis and solutions of long-term and short-term capital requirements. Prereq: BA 830V, 831V.

396V Security Analysis (3) A study in the techniques of analysis of marketable securities. Statistical and financial ratio methods of analysis are examined as well as broader bases of appraisal of values of securities. Prereq: BA 830V or BA 831V.

396V Seminar in Investment Management (3) The theory of investment management and its application in formulation of corporate policy for different types of investors. Prereq: BA 325 or BA 813J.

396V Banking and Financial Markets: Structure, Function, and Policy (3) A comprehensive study of the structure, functions, and impact of financial firms and markets; recent policies affecting the financial system; proposals for structural and institutional changes. Prereq: BA 830V or the equivalent of Managerial Accounting at the undergraduate level.

396V Seminar in Finance (3) Selected topics from areas of business finance. Prereq: BA 830V.

396V Real Estate and Land Use Economics Theory (3) This course brings together the best of the techniques of financial analysis with the development of Real Estate and Land Use Economics. The tools are presented and developed with special emphasis on real estate decision-makers in identifying and evaluating professionally the complex factors which determine the viability, value, investment, and land-use patterns. Prereq: Econ 201 and 202 or Econ 800.

396V Current Problems in Real Estate and Land Use Economics (3) A study of current problems in real estate and land use economics in the private and public sectors. Analysis of economic, legal, and environmental constraints and use and reuse of real property to provide a viable environment for all citizens. Prereq: RE 341, RE 346, RE 440, and Econ 800.

396V Policy, Planning and Strategy (3) A comprehensive study of public and private decision making. Prereq: RE 341, RE 346, RE 440, and Econ 800.

396V Research in Real Estate Economics (3) A presentation of selected topics from the areas of classical thermodynamics, statistical mechanics, and chemical kinetics. Prereq: Chemistry 335.

396V Instrumental Analysis (3) Instrumental methods of quantitative analysis. Prereq: Chemistry 335 (May be taken concurrently).

396V Research in Real Estate Economics (3) A study of selected topics in the field of real estate economics. Prereq: RE 341, RE 346, RE 440, and Econ 800.

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COMMUNICATION

801M History of Mass Communication (3) The American press and media issues from 17th Century to present, with emphasis on mass communication aspects of literature, political, and social aspects. Prereq: Graduate standing and majoring in Communication or instructor's permission.

811M Development of Rhetorical Theory (3) The development of rhetorical theory and practice.

821M Studies in American Public Address (3) Study legal issues, court decisions, and their relationship to current media issues. Prereq: Graduate standing and majoring in Communication or instructor's permission.

831M Organizational Communication (3) Communication in relation to problematic transac- tional situations, such as those found in media organizations. Prereq: Permission of department.

834M Theories of Media Organization (3) Analysis of the structure of media organizations and the way in which they interact with the public. Prereq: Communication 440 or 441 or permission.

838M Film Theory and Criticism (3) Study of the evolution of mass culture. Such as liberal, or radical, or conservative. Prereq: Communication 440 or 441 or permission.


851M Persuasion (3) Basic principles and psychological processes underlying persuasive communication, a review of various sources of opposition, and the channels used in mass communication. Prereq: Comm 101 and 3 hours of psychology or sociology, or permission.

852M Psycholinguistics (3) A discussion of the literature concerned with such psychological variables as perception, learning, memory, and development related to the linguistic variables of sentence structure, meaning, and speech sounds. Prereq: Permission. (Same as Psy 452M, 852M)

853M Seminar in Mass Communication (3) Seminar will cover topics such as the evolution of mass communication in the United States, and trends in the mass media. Prereq: Permission of department.

855M Seminar in Mass Communication (3) Seminar will cover topics such as the evolution of mass communication in the United States, and trends in the mass media. Prereq: Permission of department.

857V Communication Theory (3) Analysis of the major theoretical models of communication. Prereq: Communication 440 or 441 or permission or the instructor's permission.

858V Seminar: Mass Communication (3) Seminar will cover topics such as the evolution of mass communication in the United States, and trends in the mass media. Prereq: Communication 440 or 441 or permission or the instructor's permission.

859V Seminar: Mass Communication (3) Seminar will cover topics such as the evolution of mass communication in the United States, and trends in the mass media. Prereq: Communication 440 or 441 or permission or the instructor's permission.

860M/891M Seminar in Mass Communication (3) A seminar in mass media as social institutions, particularly in their interaction with government and the public, with emphasis on themes of criticism, normative analysis, and solutions to perceived media problems. Prereq: Comm 111 or permission.

859M Issues in Broadcasting (3) A study of current issues facing the American system of broadcasting. Prereq: Comm 150 or ESL.

871M Communication and Media Workshops (3) A workshop to explore communication theory and pro- cesses through group experiences in broadcasting. Prereq: Comm 150 or permission.

873M Film Theory and Criticism (3) Study of major film theorists and their relationship to theory in Europe and America, with concentrated analyses of selected films. Prereq: Comm 231 or DA 105 or permission of instructor.

874M Mass Media and Society (3) The study of mass media as social institutions, particularly in their interaction with government and the public, with emphasis on themes of criticism, normative analysis, and solutions to perceived media problems.

891M Communications Law (3) A discussion of laws, legal issues, court decisions and govern- ment regulations which have special application to the mass media, such as libel, privacy, com-
820V Teaching the Gif ted and Talented (4) This course is designed to teach the processes for developing a total sequential K-12 program for the gifted and talented, upon the special qualities of teaching the gifted/talented, current research-proven teaching techniques/methods for working with the gifted and talented. Prereq: Admission to Graduate College, course open to graduate or in- 
troduction to the Education of the Gifted or permission.

Dramatic Arts

801M/802M Advanced Projects in Dramatic Arts (1-3) Special projects in dramatic arts supported by individual research projects; combined study and practicum. Prereq: 9 hours of dramatic arts in the general area and be studied and permission of the instruc-

806M Child’s Theatre Production (3) Study of production and management, design, acting and production of plays for children. Students plan a complete children’s theatre production or be-

809M Advanced Oral Interpretation (3) Theoretical and practical communication from antiquity to the present. Preparation and presentation of a recital. Prereq: DA 109.

813M/813M Acting: Historical Periods and Styles (Each 3) The fundamental theories and practices of major styles of acting from ancient Greek and medieval to the present. Prereq: Admission to graduation program in Drama-

814V Directed: Rehearsal and Performance (3) A practicum in play selection, analysis, casting, directing, and performance. Prereq. DA 101, 206, 263, 331 or permission of the instructor.

850/851M Costume Design (Each 3) An introduction to the fundamentals of stage costume design, including line, silhouette, movement, construction, and color and light. Emphasis on visual presentation of designs, including consid-

861M Scene Design (3) Principles of composition perspective and color for the stage: the de-

867M Stage and TV Lighting (3) Characteristics and applications of light and color and their application to the theater and television: elementary electrical and lighting systems; reflectors; lamps; control systems. Prereq. DA 101, 206, 267, 261.

871M History of the Theatre to 1642 (3) A his-

872M History of the Theatre Since 1642 (3) A historical survey of theatre and its literature from 1642 to the present.

873M Seminar in Theatre History (3) Selected subjects in theatre history from ancient to mod-


890V Dramatic Arts Research Methods (3) This course is designed to introduce graduate stu-

893M/894M Lighting: Design and Configuration (3) An exploration of the processes for designing and constructing theatrical lighting, with special emphasis on lighting for theatre, film and television. Prereq: Permission of the instructor.

895M/896M Seminar in Contemporary Theatre Aesthetics (3) Research and dialogue in the aesthetic theories and movements in the contemporary theatre. Emphasis on the theoretical underpinnings and history of theatrical styles in this century. Prereq: DA 101, 471, 472 and English 252 or permission.

898V Final Project (3) Final project for Option II. Prereq: Completion of project under the supervision of an advisor.

Economics

418/418M Collective Bargaining (3) A study of the issues, structures, and procedures involved in collective bargaining, and the settlement of disputes, as centered around the labor-management contract. Prereq: Econ 315, Fall in even-numbered years.

421/421M Competition and Monopoly in American Industry (3) An appraisal of the role of competition and monopoly in the American economy; examination of market structures, conduct, and economic performance in a vari-

422/422M Advanced Macroeconomics (3) A study of the level of income, production, employment, and growth. Classical and Keynesian systems are contrasted with more theoretical paths be-

426/426M Evolution of Economic Thought (3) Tocqueville, Mill, and the economics thought from the medieval to the Keynesian period. Focus is on the sources, background, and theory from the theoretical and economic thought. Prereq: Econ 201 and 202. Fall in even-numbered years.

429/429M Quantitative Applications in Economics and Business (3) The study and application of modern quantitative techniques to problems involving the market and business. Prereq: Econ 201, 202 and D.S. 212 or permission of instruc-

431/431M Public Utility Economics (3) This course is designed to develop the theoretical and empirical basis for economic analysis of public utilities in general with special emphasis on the electric, gas, and telephone industries. Prereq: Econ 330 and 332, DS 213 or permission of instructor.

432/432M Business Economics (3) This course develops the economics of supply and demand for alternative energy sources including gas, oil, coal, and nuclear power. Various economic analy-

433/433M Transportation Economics (3) Study of role of transportation industry and the national economy and to the other busi-

434/434M Environmental Economics (3) This course develops the theoretical and empirical 

435/435M Microeconomics for Graduate Students (3) Microeconomic principles for graduate students and professionals in business, Economic analysis of the business firm and its environment including market structure, market power, and strategic behavior, cost and pricing policies. Additional considerations are given to the theory of the firm and issues of market power. Prereq: Econ 201 and 202. Fall in even-numbered years.

445/445V Monetary Policy and Fiscal Policy (3) This course is designed to introduce the student to the history of analysis of the public finance of the United States. Prereq: Econ 200 or permission.

465/465V International Economic Development (3) Problems relating to: economic development; investment priorities; ma-

466/466V International Economic Development (3) Problems relating to: economic development; investment priorities; ma-

481V Theory of Public Finance (3) This course is designed to introduce the student to the theoretical basis of modern tax and expenditure processes at the frontier of knowledge. Prereq: Econ 320, Econ 322 and Econ 821V or permission of instructor.

805V Economic Education (1) (3) Open to any graduate student with no previous course work in economics who is teaching K-12 or intending to teach. Prereq: Admission to study of economic principles and how they can be related to the classroom. The course is designed to furnish the public school teacher (K-12) with an understanding of the field and an understanding to aid in the recognition of economic issues and the teaching of the economic concepts and principles.

806V Economic Education (3) A continuation of Econ 805V. Prereq: Econ 805V.

807V Educational Economics Institute (3) A study and an in-depth examination of selected economic topics and their relation to citizens, stu-

808V Applications in Economics and Business (3) The study and application of modern quantitative techniques to problem solving involving the market and business. Prereq: Econ 201, 202 and D.S. 212 or permission of instructor.

809V Seminar in Theatre History (3) This course is designed to develop the student's understanding of economic issues and the teaching of the economic concepts and principles.
806V Education and Society (3) A study of the problems that modern society is confronted with and the role that education has in helping to solve these challenges. Emphasis will be placed on the interface between the educational institution and other major areas of society, focusing on the social fabric. Attention will be given to the meaning of education in society.

807V Alternative Strategies for Education (2) An intensive study of (A) the impact of present social conditions on educational practice on the student and (B) Current alternative proposals for education. The course includes a brief overview of both the historical development and theoretical assumptions underlying the traditional school program. A foundation is needed from which to analyze and evaluate the merit and utility of current educational strategies. Stress will be placed on the wide social implications of the models developed.

809V The Urban School (3) An analysis of the societal and institutional processes and problems as they affect the education of children in urban settings. A study of the urban school difficulty.

810V Research Project (1-3) Individual or group study and analysis of specific problems in school.

811V Conflict and Controversy in Urban Education (3) A course designed for students who wish to explore the controversy of contemporary issues which confront the educational institution and the community, with special emphasis on an urban milieu. Topics are modified annually to reflect current educational issues. Conference meetings are scheduled once per month, September through May.

813V Field Research Techniques in Urban Education (3) The basic purpose of this course is to give students an opportunity to design and conduct a research study within the urban educational milieu. Anthropological field research and naturalistic studies will be given emphasis. Students will be expected to participate in developing a field research design and will learn to gather and collate data. The course will culminate in the completion of an urban educational field study. Prerequisite: Graduate standing. FED 801, 813, or permission of instructor.

833V Anthropology and Urban Education (3) This course is designed to examine ways in which education, conceptualized as cultural transmission, contributes to and is influenced by urbanization and change in culture. An understanding and working knowledge of the cultural transmission that goes on in the city course. Introduction to urbanization will be provided. Social anthropologists, ecological, social, and ideological facets of urban society will be stressed. A limited anthropological field study is a requirement of the course. Prerequisite: FED 801v - Introduction to Research.

835V Futurism and Education-Learning for Tomor­row. A study of the future in education in society. (3) Designed to make use of the telephone in order to reach small, immediate audiences for educational radio under the supervision of the professor who have expertise in the field of Futures Studies. Participation in the course is expected to have four capabilities upon completion.

880V Diagnostic and Corrective Instruction (3) A study of the methods of diagnosing children's difficulties in all subject areas of the educational field. An awareness of the values system that determines how one looks at the future and how values have been shared is important. (A) A knowledge of the resources available for use in Futures studies, and (B) A structure for beginning to deal individually with students and for developing a forum for action.

890V Practicum Internship (2-3) An integration of community and school experiences with special reference to the disadvantaged pupil. Each student will design an intern project based upon the junior high and elementary schools - language arts, social studies, evaluation of classroom control and curriculum are the focus.

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

Elementary and Early Childhood Education

420/820M Literature for Children and Youth (3) Selection, evaluation and guidance in various types of literature for early childhood. Elementary school levels with emphasis on developing a broad acquaintance with authors and works, and including the development of a better understanding of the significance of literature in meeting children's needs and interest (F.S.Sa)

427/827M Current Trends in Early Childhood Education (3) This course is intended for persons with an interest in the area of early childhood education. Focus on the local, national and international levels. Prereq: Admission to teacher education. FED 821v, 822v.

438/838M Patterns of Parental and School Care (3) Exploration of contemporary patterns of family involvement in the home and schools care of the young child from birth to six years. Prereq: Admission to teacher education. FED 821v, 822v. EED 225, 58 hours, required grade point average.

442/842M Learning Materials for Early Childhood 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.S.Sa)

800V Special Studies (1-3) A series of intensive courses, especially for teachers in service, scheduled as regular seminars, or workshops, according to the needs of the teachers in the schools.

802V Individualization of Instruction (3) This course is designed for experienced teachers who desire to study the principles and variables of the various aspects of individualization of instruction in the elementary school. Prereq: Admission to Graduate College.

810V Research Project (1-3) Individual or group study and analysis of specific problems in schools.

812V Diagnostic and Corrective Instruction (3) A study of the methods of diagnosing children's difficulties in all subject areas of the educational field. An awareness of the values system that determines how one looks at the future and how values have been shared is important. A knowledge of the resources available for use in Futures studies, and a structure for beginning to deal individually with students and for developing a forum for action.

820V Improvement of Instruction in Elementary Science (3) This course is designed for teachers who are participating in the graduate program in elementary science. The six-hour practicum experience will consist of one semester of full-time teaching in an elementary school. The practicum is open to full-time graduate students who have expertise in the field of Futures Studies. Participation in the course is expected to have four capabilities upon completion.

830V Diagnostic and Corrective Instruction (3) A study of the methods of diagnosing children's difficulties in all subject areas of the educational field. An awareness of the values system that determines how one looks at the future and how values have been shared is important. A knowledge of the resources available for use in Futures studies, and a structure for beginning to deal individually with students and for developing a forum for action.

840V Innovations and Trends in Elementary Education (3) Designed as an advanced study for the purpose of exploring current trends and developments within the various subject matter areas of the elementary school. Prereq: FED 840v.

845V Seminar in Elementary Education (3) A study of educational problems as they relate to the primary school. Prereq: Admission to Teacher Education. Elementary level. FED 821v, 822v.

845V Supervision in Student Teacher-Education Elementary (3) Designed for experienced teachers who desire to study the principles and variables of student teaching, and who desire to study student teaching aims, procedures, objectives, and development. Prereq: 2 years of teaching experience.

693V Workshop: Newspaper in the Classroom (3) A course designed to assist teachers in planning to use the newspaper as an aid to classroom instruction. The course content includes the importance of the newspaper, methods for using the newspaper as an aid to student teaching, and a study of available curricular materials.

874V Practicum in Elementary and Early Childhood Education (3-6) This practicum is designed for selected graduate students who desire to be part of the graduate program in elementary education. The six-hour practicum experience will consist of one semester of full-time teaching in an elementary school. The practicum is open to full-time graduate students who have expertise in the field of elementary and early childhood education. (Half-time teaching will grant 3 hours of credit.) Prereq: Permission of advisor.

871V Advanced Practicum in Elementary Education (3) Advanced practicum will demand an increased level of professional responsibility. In addition to the six-hour practicum, an additional semester and a concomitant increase in variety of educational experiences, based upon the students' performance during their first practicum experience (EED 871v) is a continuation and refinement of the quality of teaching based upon their performance during their first practicum experience (EED 871v). Prereq: Permission of advisor and satisfactory completion of EED 871v, practicum elementary education.

899 Thesis (1-6) Independent research project required of all students taking master of arts degree. See major advisor.

English

415/815M Contemporary French and German Novel (3) Comparative study of the major areas of speaking, writing, and listening in the elementary school curriculum. Prereq: Permission of the instructor. (Same as French 815/815S and German 815/815M).

417V Contemporary French and German Drama (3) Comparative study of selected contemporary French and German plays. Con­ ducted in English with English translations. (Same in French 817/817M). Prereq: Permission of the instructor.

818M Mexican American Literature (3) A study of the Mexican-American writer. Spanish American, and Mexican writers, along with their cultural and historical antecedents. Prereq: Permission of the instructor. Prereq: 815M.

815M Middle English Literature (3) A survey of the principal writers of the English literature, excluding those of Chaucer, from 1100 to 1500.

433M Sixteenth Century Literature (3) Po­etry and prose of the English renaissance, from its continental origins to the end of the Elizabethan Age.

834M Chaucer (3) A literary and linguistic study of the works of Geoffrey Chaucer, with emphasis on the Canterbury Tales.

440/840M The Age of Pope and Swift (3) Po­etry of the early eighteenth century, with emphasis on Pope and Swift.

441/841M The Age of Johnson (3) Poetry, prose exclusive of the novel, of the age of England during the second half of the eighteenth century, with emphasis on Boswell and Johnson.

448/848M Seventeenth Century Literature (3) A study of the English poets from 1600 to 1660 with emphasis on Milton.

850M Shakespeare's Contemporaries (3) A study of the development of the English drama exclusive of Shakespeare, from the beginning to 1642.

855M Introduction to Linguistics (3) An intro­duction to the concepts and methodology of the scientific study of language; includes language
88 UNIVERSITY OF NEBRASKA AT OMAHA

861V Environmental Remote Sensing (3) A seminar on various aspects of conventional low-altitude aerial photography through simulation of sensor imaging platforms such as \"Skylab\" and \"Landsat\" with emphasis on practical application. Provides basic elements for further environmental evaluation. Prereq: Graduate standing.

2951/495M Urbanization in Developing Areas (3) The interpretation and morphology of various types of cities found in presently developing areas of the world. The student will be upon contrasting the cities of the developed and developing areas. Prereq: (295M) 6 hours of geog., or junior standing and urban geog. For 850M, 6 hours of geog. and Urban Geog. 612M.

851V Geography Concepts: History and Philosophy of Cities Founded in Presently Developing Areas of the World (3) The basic tools for environmental evaluation. Prereq: Graduate standing.

295V Urbanization in Developing Areas (3) Designed to aid the graduate student in the improvement of geographic instruction in the elementary and secondary schools as well as in higher education. Prereq: 612V.

112V Cultural Geography (3) The philosophical basis for cultural geography; importance of understanding the cultural landscape. Prereq: Permission.

320V Geography of Agriculture (3) A systematic study of the characteristics of agriculture on a world scale. Prereq: Permission and Geog. 310 or Econ 310.

116V Advanced Geomorphology (3) A seminar and lab course based on the major literature in the field of landform studies. Discussion will emphasize classic ideas as well as the modern concepts of climatic, dynamic, and quantitative geomorphology. Some study of glacial areas with special emphasis on structure of planning departments in the major cities of the country. Prereq: Graduate standing.

311V Urban Seminar in Metropolitan Planning and Development (3) An overview of the present status of planning and development in American cities. The major emphasis will be placed upon field investigations of various cities and subsequent evaluation of the functional region receiving the major consideration. Prereq: Geog. 412.

309V Cartographic Methods (3) Teaches the student proper use of drawing instruments, effective map layout and exposure to the latest cartographic techniques, leading to a high level of competence in the design and interpretation of maps.

717V Population Seminar (3) The significance of differences from place to place in the number, kind, and quality of human inhabitants and changes through time. Prereq: Permission. (Same as Soc 717V)

880V Internship in Environmental/Regional Planning (1-6) (repeatable up to 6 hours) Internship with local planning organization enabling students to gain knowledge and experience in comprehensive and regional planning. Prereq: and 12 hours graduate credit in geography.

118V Urban Seminar in Metropolitan Planning and Development (3) An overview of the present status of planning and development in American cities. The major emphasis will be placed upon field investigations of various cities and subsequent evaluation of the functional region receiving the major consideration. Prereq: Geog. 412.

317V Population Seminar (3) The significance of differences from place to place in the number, kind, and quality of human inhabitants and changes through time. Prereq: Permission. (Same as Soc 717V)

494/894M Aging and Human Behavior (3) The course examines different kinds of behavior and the changes that occur in older age. Applications of various personal theories concerning aging will be considered. Prereq: 3 hrs. Graduate standing.

119V Special Seminar in Geography (3) The study of aging around the world by a comparative approach to develop a broad, conceptual and international framework. An explanation of some prevalent experiences and development in the United States, Europe, and Africa will be examined. Prereq: Three hours geography or permission.

890M Administrative and Legal Concerns of the Elderly (3) Introduction to the legal concerns which are likely to arise as people are exposed to American legal system, and emphasize the impact of several concepts and issues of importance to older persons. Prereq: Gerontology 411/811, Applied Social Gerontology.

495/895M Health Aspects of Aging (3) The study of a systematic approach to sociological and physiological factors that influence the health of the elderly, with particular emphasis given to biological changes that have implications for disease and health disorders. (Same as HED 455)

500M Analytical Skills for the Aging (3) This course is provided to give the student an historical overview of programs for the elderly; examine the impact of the policy processes on the older American; and review the principles and practices relative to the existing national programs for the aged. Prereq: 3 hrs. Gerontology.

469/869M Working With Minority Elders (3) This course is an interdisciplinary one, designed to provide the student with a broad exposure to the differing status, attitudes and experiences of the elderly within four major racial, ethnic and social groups. Prereq: 3 hrs. in Gerontology or Social Work or permission of the instructor.

192V Special Studies in Gerontology (1-3) Special studies designed around the interests and needs of the individual student in such areas as the psychology, sociology, economics, political science, and other disciplines of aging, as well as operation of various social systems. The studies in the field of aging will be presented in a regional framework or case study manner. Prereqs: 3 hrs. Social Work 869M or permission.

394/894M Practicum (0-6) This course provides the opportunity to students to share field experiences, to obtain guidance concerning various relationships with agency, staff, and clients; and to develop a broadly based perspective of the field of aging. Prereq: Nine hours of Gerontology and permission.

199V/899M Counseling Skills in Gerontology (3) This course is intended to help develop basic counseling skills for application in gerontology. Prereq: Permission of instructor.

112V Seminar in Social Gerontology (3) An interdisciplinary approach to the social experience of aging among individuals and society, including the subsequent reaction of individuals and society to aging with particular reference to social changes during the latter half of the life cycle (45 years). Both theoretical and empirical implications of aging research are considered. (Same as Sociology 412V) Prereq: 9 hrs. of gerontology and permission.

288V Counseling Older Adults (2) Designed to provide basic information about how to counsel older people for work with older clients. For Counseling and Guidance majors not specializing in Gerontology. Prereq: Sociology 496V, Principles of Guidance.

697V Thematic Study-Death (3) An examination of theory and research relevant to the interaction of the individual community and society, focusing on communication with widows and other survivors as well as the dying patient. Prereq: Graduate standing. (Same as Sociology 307V) Prereq: 9 hrs. of gerontology and permission.

696V Directed Readings in Counseling and Gerontology (1-3) A study of a recent and current literature on counseling with older people. Prereq: Gerontology 869M or Courses 899M, Consent of instructor and permission.

497V Personal Values and Aging (1) Course designed to increase student self-awareness of personal values and feelings related to aging and the aged.
948 Gerontology (3) To become familiar with the psychology of aging from a research perspective. The focus will be on biological, psychological and sociological research in the middle years and in later years.

949860M Topics in Medical Gerontology (3) This course covers selected topics regarding the scientific and medical care of older people. Special areas to be covered include pharmacologic aspects, orthopedic aspects, prevention and rehabilitation, pediatric aspects, legal aspects and aging. Prereq: Basic courses in human anatomy, physiology, kinesthetics, and social gerontology. Prereq: Readings in social gerontology, psychology and growth and development or special permission of the instructor.

Physical Education

822V Problems and Issues in Physical Education (3) An examination of current problems and issues in college, secondary, and elementary physical education. Special emphasis is given to problems that relate to the general aims and purposes of physical education.

824V Sport in American Culture (3) The course is aimed at providing an overview of the sociological and psychological aspects of human behavior and safety education. In addition an abbre-

825V Human Sexuality (3) This graduate level course covers selected topics regarding the scientific and medical care of older people. Special areas to be covered include pharmacologic aspects, orthopedic aspects, prevention and rehabilitation, pediatric aspects, legal aspects and aging. Prereq: Basic courses in human anatomy, physiology, kinesthetics, and social gerontology. Prereq: Readings in social gerontology, psychology and growth and development or special permission of the instructor.

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428/429M Twentieth Century America Since 1932 (3) A study of the history of the United States since the election of Franklin D. Roose­
velt to the presidency in 1932. Prereq: For 441, junior standing or permission of the instructor.
433/435M Constitutional History of the United States to 1860 (3) A study of constitutional theory and practice since 1860. Prereq: For 431, junior standing or permission of the instructor.
434/436M Constitutional History of the United States Since 1860 (3) A history of constitu­
tional theory and practice since 1860. Prereq: For 434, junior standing or permission of the instructor.
440/440M History of North American Indians (3) A survey of traditional North American In­
dian cultures, their impact on other transplanted European peoples, and the continuing problems faced today. Prereq: For 442, junior standing or permission of the instructor.
442/444M History of American Science (3) A study of the origins, development, and nature of American science and its relations with technol­
gy, social thought, and government. Prereq: For 442 or junior standing or permission of the instructor.
443/445M American Urban History to 1870 (3) Historical survey of urban development in the United States from the colonial period through the 1860's; urban society, problems, institu­tions; role of cities in national history; Ameri­can ambivalence toward the city; the development of metropolitan England and its relation to the city. Prereq: For 441, junior standing or permission of the instructor.
444/446M American Urban History Since 1870 (3) American urbanization from 1870's to the present; influence of technology, transpor­ta­tion, industry, immigration, urban politics and reform movements; emergence of metropolitan America and problems of urban society and super­city. Prereq: For 444, junior standing or permission of the instructor.
447/447M History of American Medicine and Public Health (3) Analysis of the relationship and interaction of medical thought and prac­tice, public health problems and institutional de­velopment, and the changes in American soci­ety and the growth of the modern medical profession. Prereq: For 441, junior standing or permission of the instructor.
451/451M Civil War and Reconstruction (3) A political and social study from 1845 to 1877. The back­grounds of the Civil War, the war years, and the reconstruction of the nation during reconstruction. Prereq: For 418, junior standing or permission of the instructor.
451/451M Intellectual History of Modern Eu­rope From The Renaissance to the French Revolu­tion (3) A study of the historical development of political, religious, economic, scientific and intellectual ideas in Europe. Study of the Renaissance culture from the French revolu­tion as a basis for evaluating the growth of the modern intellectual inquiry in each student. Prereq: For 451, junior standing or permission of the instructor.
452/452M Intellectual History of Modern Eu­rope: The Early Nineteenth Century to The Present (3) A study of the historically important questions of science, economics, and philosophical ideas of the last century and the beginning of the nineteenth century to the election of Franklin D. Roosevelt to the presi­dency in 1932. Prereq: For 451, junior standing or permission of the instructor.
477/477M Europe in Crisis: 1890-1932 (3) A study of the growing tensions between the Fascist and Communist dictatorships and the democratic democracies. World War II, the resultant dislocation of power and the emergence of the United States and the Soviet Union. Prereq: For 477, junior standing or permission of the instructor.
478/478M Europe is the Global Age: 1932 to The Present (3) A study of the ever increasing tensions between the Fascist and Communist dictatorships and the democratic democracies. World War II, the resultant dislocation of power and the emergence of the United States and the Soviet Union. Prereq: For 477, junior standing or permission of the instructor.
Philosophy and Religion
475/875 Civilization and Religious Thought (3) A study of existentialism in its theistic aspects, Kierkegaard and other speculative existentialists on recent Jewish and Christian thought.

465/865M Philosophy of Mind (3) A discussion of various accounts of the nature of mind which focuses upon philosophical problems such as whether the mind is identical with the brain, the extent of similarity between human and animal minds, computers, the nature of personal identity, and the relationship of mental activity to behavior.

Physics
301/801J Elements of Electronics (3) The background of electronics, theory, operation, and practice of electronic devices and circuits particularly as they apply to scientific instrumentation. Emphasis will be given to the solid state and vacuum tube principles and circuits as they are involved. Prereq: Calculus and Physics 112 or 112L.

302/802J Optics (3) The nature of light energy as discussed through studies of geometrical optics, physical optics, and quantum optics. Prereq: For 302 Optics, Physics 111-112 or 112L.

315/815J Modern Developments in Physics (1880-1950) (3) A modern physics course for students entering at the secondary level. Concepts rather than mathematical rigor is stressed. Topics include spectroscopy, heat, electricity, light, atomic structure, and quantum concepts. Primarily for teachers who have not had an equivalent modern physics course within the past ten years.

814J Current Topics in Science (1-3) The subject matter and the way it is treated may vary. The course may not be counted as a preliminary course, and may not carry more than two units of credit.

375/875 Electricity and Magnetism I (3) An advanced discussion of electrostatics and magnetostatics as well as a theory. Prereq: Calculus and Physics 112 or 112L.

376/876J Electricity and Magnetism II (3) A course in electrodynamics. Topics include vector field equations and methods for solving such problems including the method of images, the Green's functions, and the potentials and transformations of the fields. Prereq: Physics 375.

390/890J Thermodynamics and Statistical Mechanics (3) The topics of thermodynamics include several equations of state, first and second laws of thermodynamics, thermodynamic potentials and thermochemistry. In addition, an introduction to classical statistics, Bose-Einstein and Fermi-Dirac statistics as well as transport phenomena is given. Prereq: Calculus and Physics 112 or 112L.

405/805M Solid State (3) Behavior of materials in the solid state as concerns energy levels, wave mechanics, optical and electronic phenomena. Prereq: Calculus and Physics 112 or 112L.

407/807M The Special Theory of Relativity (3) This course includes the mathematical development of the theory, Lorentz transformations, covariant formulation, applications to electron-positron annihilation, and the philosophical implications of special relativity including extraterrestrial relativistic space-time theory. Prereq: Calculus and Physics 112 or 112L.

412/812M Atomic and Molecular Physics (3) This course considers the basic physics of the atom and the molecule, including Schrodinger equation, solutions for square wells and symmetric and asymmetric potential barriers, one electron atoms, atomic spectra, fine structure, and magnetic and electric selection rules. Prereq: Calculus and Physics 112 or 112L.

435/835M Astrophysics (3) Physics and theory of the physical characteristics, distribution, and space motion of stars and galaxies. Prereq: For 435 Astrophysics, Calculus and Physics 112 or 112L.

455/855M Quantum Mechanics (3) This is a rigorous introduction to quantum mechanics. The student becomes familiar with the methods of Schrodinger's wave mechanics and Heisenberg's matrix mechanics. Using these techniques the following topics are discussed: Particles in potential wells, tunneling, angular momentum, hydrogen atom, time-dependent perturbation theory, molecular bonding in molecules. Prereq: 455M, Calculus, Physics 325, or permission of the instructor.

460/860M Intermediate Physics Laboratory (Each 1-3) Individual laboratory and/or laboratory work in some field of energy. Prereq: General physics and permission of instructor. For 460: 495 and permission of instructor.

Political Science
403/803M The Presidency (3) The rise of the institution from Washington to the present position it holds and how the president uses this power and prestige to influence Congress, the courts, and the public.

407/807M The Legislative Process (3) A comprehensive study of the legislative process of the Congress of the United States. Prereq: Permission of instructor. Emphasis is on legislative institutions, processes and techniques. Prereq: Calculus and Physics 110 or 404, Political Science 110 and junior standing.

405/805M The Judicial Process (3) This is a course on the role of the court. It examines the federal and state courts with respect to their powers, judicial selection, the bar, and the reform movements aimed at all of man's objectives, the pursuit of justice. Prereq: For 405, Political Science 110 and junior standing.

412/812M Public Opinion and Political Behavior (3) Analysis of the political socialization process as it relates to opinion formulation and participation in the political system of the process of the political system. Prereq: For 412, junior standing.


418/818M Constitutional Law: The Federal System (3) Analytical examination of American constitutional law regarding the relations of nation and state (Federalism) and the powers of the separate states (Federal Government and Congressional and Executive).

419/819M Constitutional Law: Civil Liberties (3) Examination of the 1st, 4th, 5th, 6th, 8th, 13th, 14th, and 15th Amendment civil liberties. Prereq: For 419, Calculus and Physics 112 or 112L.

420/820M International Politics of Asia (3) Analysis of contemporary relations among the Asian nations with emphasis on the great powers; emphasis on the economic and political determinants of this interaction. Prereq: For 420, junior standing.


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

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

433/833M Political Theory III (3) Continues the review and analysis of the leading political theories of western man begun in Political Theory I, following the study down to the French revolution. Prereq: For 433, junior standing.

435/835M Democracy (3) A basic study of theories, practice and practitioners of government and democracy, its roots, development, present applications and problems and future. Prereq: For 435, junior standing.

436/836M Dictatorship (3) A basic study of theory, practice and practitioners of dictatorship, its roots, development, major 20th century application and brutality, and present threats to man. Prereq: For 436, junior standing.

437/837M Communism (3) Mises view of an imperious, incomprehensible, worldwide extension, and the tit it poses for the world in the hands of the Soviet Union and others.

439/839M Government and Politics of Great Britain (3) A comprehensive and up-dated study of the British government and politics, government and government and government. Emphasis will be focused on the formal institution, the role of the prime minister, customs and practices of the British political system. Prereq: For 450, junior standing.

492/892M Topics in Political Science (3) A seminar on selected topics based upon analysis of the literature of political science and/or primary source materials. Prereq: For 492, junior standing or permission of the instructor.

806V Seminar in the Research Methods in Political Science and Public Administration (3) A critical investigation of the methods of data collection and analysis for political and public administration research. Prereq: Permission of graduate advisor. Also listed under Public Administration.

804V Seminar in American Government and Politics (3) A study of the historical background of selected aspects of the structure and function of the American political system with emphasis on the development of public administration. Prereq: For 804, junior standing.

815V Seminar in Public Law (3) Practical methods of research as applied to specifically selected problems in the areas of administrative law, constitutional, and/or international law. Problems studied will correspond to those of interest to the instructor and may be altered by government employees, officials, 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. Prereq: 495 and departmental permission for 496 and departmental permission for 815.

829V Seminar in International Politics (3) An examination of the theoretical frameworks advanced for the systematic study of international
relations, with application to particular problems in international relations. Prereq: Permission of graduate advisor.

383V Seminar in Political Theory (3) Analysis of the meaning and significance of normative, empirical, and ideological political theory and their impact upon current policy. Prereq: Six hours of political science. Prereq: Permission of political theory or permission of graduate advisor.

387V Seminar in Comparative Politics (3) An examination of the purpose, theories and literatures of comparative politics. Prereq: Permission of graduate advisor.

388V Seminar in Comparative Politics: Emerging Areas (3) Research, analysis, and writing on topics and problems of a particular aspect of the governments, politics, and political problems of emerging nations. Prereq: Permission of graduate advisor.

400V Independent Study in Topics of Urban Life (3-12) A student research on an individual basis under faculty supervision in topics pertaining to urbanism. Prereq: Undergraduate major in one of the social sciences. (Also listed under economics, geography, and sociology.)

403V-404V Interdisciplinary Seminar On The Urban Community (3-4) An interdisciplinary course on the metropolitan community in which various departmental and college offerings concern urban and suburban phenomena. Prereq: 8 hours of interdisciplinary courses in one of the social sciences. (Also listed under economics, geography, and sociology.)

409V Readings in Political Science (3) Specialized readings in political science for the graduate student who is engaged in research. Prereq: Permission of graduate advisor.

416V Thesis (3-6) A research project, written under the supervision of a graduate advisor in the Department of Political Science, in which the student will develop the originality of thought, the capacity to design, conduct, and complete an independent, scholarly research project. Prereq: Approval of research topic and completion of all required courses for the master's degree and permission of graduate advisor. (Also listed under economics, geography, and sociology.)

Psychology

401/401M History of Psychology (3) A study of the origins, developments, and nature of psychology and its relation to external events; the history of psychological theories and methods in anthropology, sociology, and the social sciences. Prereq: 401 for junior standing. Prereq: For 401, junior standing.

406/406M Environmental Psychology (3) A study of the nature of natural and artificial environments on human behavior. Particular emphasis on human behavior, Particular emphasis on social distance, territoriality, privacy and such. Prereq: Psychology 343 and senior standing or permission.

407/407M Cognitive Processes: Thinking and Imagination (3) An exploration of historical and contemporary theories of cognitive processes, including the impact of higher cognitive processes including experience, perception, problem solving, creativity, memory, and symbolic behavior. Prereq: For 807M, Psychology 301 or 904.

412/412M Research Methods (3) Methods for gathering and evaluating information in psychology with emphasis on the design of experiments. Prereq: Psychology 213 or equivalent.


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

428/428M Animal Behavior Laboratory (1) Laboratory and field studies of animal behavior with an ethological emphasis. Classical laboratory experiments and field observations are put in broad integrative focus. Prereq: Undergraduate major in one of the social sciences plus 6 hours of psychology. Prereq: Junior standing or permission. (Same as Biology 428/828M).

431/431M Psychological and Educational Testing (3) Principles and methods of psychological and educational psychology and education is considered with special regard to their construction, reliability, and validity. Prereq: Psychology 101 or 351.

433/433M Individual Differences (3) A critical study of psychological research, with special attention to the influences of the interaction of age, ancestry, sex, physical traits, and environment in causation of individual differences in human behavior. Prereq: Psychology 101 and 175 or permission. (Same as Psychology 433/833M and 351).


435/435M Personality Theories (3) A comparative approach to the understanding of personality theory emphasizing the conflict, conflict, and consistency approaches to personality. Prereq: Psychology 343 and senior standing or permission.

444/444M Abnormal Psychology (3) A course designed to examine the aberrant behavior of individuals. Symptoms, dynamics, therapy, and prognosis of psychological disorder. Prereq: Psychology 213 and equivalent in Psychology.

455/455M Personality Theories (3) A comparative approach to the understanding of personality theory emphasizing the conflict, conflict, and consistency approaches to personality. Prereq: Psychology 343 and senior standing or permission.

461/461M Animal Behavior (3) Behavior of diverse animals for the purpose of elucidating the behavioral relationships between nervous integration and the behavior manifested by the organism, as well as the evolution and adaptive significance of behavior as a functional unit. Prereq: Psychology 101 and Biology 175 or permission. (Same as Biology 427 and 827M)

462/462M Animal Behavior Laboratory (1) Laboratory and field studies of animal behavior with an ethological emphasis. Classical laboratory experiments and field observations are put in broad integrative focus. Prereq: Undergraduate major in one of the social sciences plus 6 hours of psychology. Prereq: Junior standing or permission. (Same as Biology 428/828M).

466/466M Techniques of Programmed Instruction (3) An introduction to the design and development of educational materials for machine programs, with special emphasis on the construction and instruction in one of the social sciences. (Same as Psychology 466/866M) and senior standing or permission of instructor. (Same as Psychology 466/866M)

470/470M Personality (3) A study of the special problems of children and adults, in particular, mature, auditory, or motor behavioral impairments, orthopedic anomalies, intellectual retardation or superiority, speech disorders, emotional or social maladjustments, learning disabilities or cultural problems; and characteristic relationships of parents, professionals, and others with these persons. Prereq: None.

471/471M Educational Psychology (3) The methods of experimental psychology are discussed as they relate to problems of designing machines for efficient human use. Prereq: Psychology 101 or 343 or 455/855M.

476/476M Testing and Assessment (3) The study of the principles of learning, motivation, and their applications to problems of contemporary education, particularly those problems existing in the classroom. Prereq: Psychology 213 or equivalent.

477/477M Community Psychology (3) A study of the origins, development, and nature of the origins, development, and nature of the areas of psychology, sociology, and education. Includes a functional description of community psychology with emphasis on the cultural and social significance of social psychology, sociology, and education. Prereq: Psychology 101 or 343.

481V Nonparametric Statistics (3) A study of distribution-free statistics with particular emphasis to research problems in social behavioral sciences. Prereq: Psychology 213 or equivalent.

482V Introduction to Counseling Theories (3) A study of contemporary theories of counseling. Prereq: Psychology 409 V or equivalent.

482V Psychometric Methods (3) A study of the theoretical and practical problems related to the development and use of psychological tests. Emphasizing the topics of measurement, test development, and statistical interpretation. Prereq: Psychology 213 or equivalent.

488V Seminar in Communication Theory (3) Analysis of current approaches to the study of communication with emphasis on the application and use of various techniques and their application in various professional interests. Prereq: Psychology 213 or equivalent or permission of instructor. (Same as Speech 850V)

485V Advanced Educational Psychology (3) A study of the principles of learning and motivation, and their applications to problems of contemporary education, particularly those problems existing in the classroom. Prereq: Psychology 213 or equivalent.

489V Clinical Assessment I: Foundations (3) This is an introductory or survey course on the principles and applications of human assessment. It is intended to serve as the foundation for more advanced study of assessment according to disciplinary specialization. Clinical assessments are applied to professional judgment, diagnostic intervention, test construction, analysis, rating scales, standardized intellectual and personality tests, objective measures, and critical social issues (relevant to assessment). Prereq: Admission to graduate study in psychology, social work, psychiatry, education; Psychology 831 or equivalent recommended.

493V Individual Tests I (3) Administration, scoring, standardization, and interpretation of individually administered tests with special emphasis upon psychological assistant or school psychologist program.

493V Individual Tests II (3) Administration, scoring, standardization, and interpretation of individually administered tests with special emphasis upon psychological assistant or school psychologist program.

499V Introduction to Therapeutic Techniques With Children (3) The practice of play therapy and play therapy, as well as the evaluation and certification, and other relevant practical experiences. Prereq: Permission of graduate advisor.

499V School Psychology (3) A study of the principles of learning and motivation, and their applications to problems of contemporary education, particularly those problems existing in the classroom. Prereq: Psychology 213 or equivalent.

499V School Psychology (3) A study of the principles of learning and motivation, and their applications to problems of contemporary education, particularly those problems existing in the classroom. Prereq: Psychology 213 or equivalent.
897V Learning in Children (3) A course dealing with learning in infants, children and adults. Research relevant to developmental differences in learning ability will be reviewed. Content areas included will be learning methodology with infants and children, learning in infancy, probability learning, training, the acquisition of knowledge, and reversal shift learning, imitation, habituation and imitation learning.

898V Personality and Psychopathology (3) A course which will be devoted to a study of the theory and research on personality and psychopathology with particular interest in clinical applications. Prereq: Psychology 352 or equivalent or permission of instructor.

899V Social and Personality Development (3) A course which provides the student with an in-depth coverage of the research literature on social and personal development in infancy and childhood. Research methods and theory, as they apply to social and personality development, will be emphasized throughout the course. Prerequisites will be expected to design and conduct a mini-observational study in the area of social and personality development.

900V Practicum in Developmental Psychology (1-6) Faculty supervised experience in industry or business designed to bridge the gap between the classroom and a job. Emphasis will be placed on such practical aspects as: research design, observation, and methodology. Prereq: Written permission of the department.

901V Practicum in Industrial Psychology (1-6) Faculty supervised experience in industry or business designed to provide a proficiency in the use of theoretical concepts of human development. Emphasis will be placed on such practical aspects as: research design, observation, and methodology. Prereq: Completion of the psychology prerequisite sequence or equivalent and permission of the instructor. Prereq: Written permission of the department.

902V Clinical Neuropsychology (3) The course will cover the basic clinical data in the area of brain behavior relationships, examining the use of brain injured child and adult. Prereq: Approval of the instructor. No previous course requirements. Course will cover all applicable areas it will be. 936 Seminar in Applications of Non-Verbal Communication Theory (3) Theories and research findings related to non-verbal human communication. Analysis of non-verbal interaction within the family, small group, developmental, and professional environments. Prereq: Permission of the instructor. 937 Seminar in Small Group Communication (3) Research and theory in applications of small groups, communication and leadership; research procedures; approaches to teaching a discussion course. Prereq: Communication 301 or 302. Prereq: Permission of instructor. (Same as Communication 394 and Sociology 394.)

943 Seminars in Personality (3) A course considering the effects of different personal factors on behavior. A historical, theoretical, psychometric, and experimental approach will be emphasized. Prereq: Permission of instructor.

944 Seminar: Social Psychology (3) Examination of theories, research findings and controversies in social psychology. Topics will include socialization, person perception, interpersonal attraction, leadership and group effectiveness. Prereq: Psychology 102 or permission of instructor. Prereq: Permission of instructor. (Same as Psychology 944.)

945 Laboratory in Psychology (3) Advanced research and practical experiences in research design and implementation of behavioral and psychological experiments. Emphasis on research methodology with infants and children. Prereq: Experimental Social Psychology 213 or equivalent, and permission. Prereq: Permission of instructor. (Same as Psychology 945.)

948 Seminar in Developmental Psychology (3) A course which will be devoted to a study of the theory and research on personality and psychopathology with particular interest in clinical applications. Prereq: Enrolled in a program of studies leading to certification as a school psychologist. Prereq: An introductory course in group testing: psychology 213 or equivalent, and permission.

959 Seminar in Developmental Psychology (3) Faculty and student presentations organized around one of the following topics: child life-span development, special educational and psychological problems of children (3) An introduction to theory and research on alcoholism within a family context. The specific focus in this course is on the relationship between alcoholism and changes in conditioning and learning. Prereq: Permission of instructor. This course will not be repeated each time a different topic is covered, up to a maximum total of nine credit hours. Prereq: Completion of 944 will constitute a prerequisite for the course.

961 Industrial Motivation & Morale (3) A course dealing with the theory and research on motivation, job satisfaction, his and job values and job behaviors. Prereq: Permission of instructor. This course will not be repeated each time a different topic is covered, up to a maximum total of nine credit hours. Prereq: Completion of 944 will constitute a prerequisite for the course.

965 Practicums in Applications of Multiple Regression Analysis (3) A course dealing with the theory and research on motivation, job satisfaction, his and job values and job behaviors. Prereq: Permission of instructor. This course will not be repeated each time a different topic is covered, up to a maximum total of nine credit hours. Prereq: Completion of 944 will constitute a prerequisite for the course.

970 Topical Seminar in School Psychology (1-6) A discussion of a specific advanced topic in the human development. Prereq: Permission of instructor.
Emphasis is placed upon new curriculum development and contemporary teaching strategies.

852V Foundations in Business Education (3) Designed to develop the foundation of understanding of the field of business education. 3 credits are earned by participating in the joint meeting of the business education educators, the seminars and conferences sponsored by the National Business Education Association, the local business education association, and the school's business education department. Students are encouraged to participate in these activities as part of their professional development.

857V Improvement of Instruction in Vocational Business Education (3) A course designed for teachers of vocational business education to provide information, methods, and techniques related to current practices and trends in vocational education.

876V Problems of Vocational Business Education (3) A course designed for teachers of vocational business education to understand and analyze current problems of vocational business education.

883V Seminar in Mathematics Education (3) A seminar for teachers of mathematics education to develop a better understanding of the purpose, philosophy, current practices, and trends in mathematics education.

855V Improvement of Instruction of Secondary School Science (3) A course designed especially for the teacher who is interested in improving instruction in the area of science education.

853V Seminar in Social Studies (3) The seminar in social studies is designed for graduate students in education who wish to be informed about the rapidly developing social sciences.

860V Science Education Seminar (3) A graduate seminar in K-8 science education emphasizing research, newly developed science curriculum, curriculum planning, science supervision, and treatment of one or more localized science education issues.

860V Trends and Teaching Strategies in Science Education (3) The course will provide an overview of the student growth and development in the area of science education. It will focus on the core curriculum and its relationship to the individual student.

899 Thesis (1-6) Required of all students taking Master of Arts degree, see major advisor for information.

936 Seminar in Applications of Non-Verbal Communication (3) The seminar in applications of non-verbal communication is designed for students interested in non-verbal communication. It is an introductory course for graduate social work students which surveys basic theories and institutions and communities, and includes social action and planning, community development, community vitality, and community development.

812V Social Work Practicum (2) A practicum in social work designed for graduate social work students supervised by social work instructors. It is an introductory course for graduate social work students.

817V Social Work Practicum II (2) A practicum in social work designed for graduate social work students supervised by social work instructors. It is an introductory course for graduate social work students.

821V Micro Intervention (3) This course is designed to provide social work students with knowledge of theories and techniques in various modalities which are used in working with individuals, families, and small groups. Prerequisite: BA, Social Work major, SW 810Y, SW 816V, or permission of instructor.

823V Micro Intervention II (3) This course is designed to provide social work students with knowledge of theories and techniques in various modalities which are used in working with individuals, families, and small groups. Prerequisite: BA, Social Work major, SW 810Y, SW 816V, or permission of instructor.

825V The Family as the Client (3) The family is considered as a system of social work intervention. Several family systems, assessment and treatment modalities of family treatment are studied. Interventions skills are developed. Prerequisite: SW 800Y or permission.
854V Gestalt-Transactional Analysis (3) An intense didactic and experiential course designed to give students in-depth knowledge and practice skills in the combined use of transactional analysis and Gestalt therapy. Prereq: SW 820 or permission.

827V Issues in Human Sexuality for Social Workers (3) An interdisciplinary, didactic review of current theory and research in human sexuality, with particular emphasis on the psychological aspects of human sexuality. It is designed to give the student a broad perspective in personal and socio-cultural dynamics influencing communication regarding sex, programs of sex education for special groups, and human sexual development. Prereq: SW 105 or equivalent, or permission.

828V Clinical Work in a Mental Health Setting (3) This course is designed for the advanced student who is seeking substantial specialization of current knowledge of current social work practice in mental health and mental retardation. Prereq: Senior social work major, graduate social work students or permission of instructor.

840V Advanced Social Work Practicum I (1-3) To provide individualized professional experience in micro or macro social work practice. Prereq: SW 817V or equivalent, SW 820V or SW 855V/855M.

841V Advanced Social Work Practicum II (3-4) To provide individualized professional experience in micro or macro social work practice, building on opportunities provided and competencies developed in Advanced Practicum I.

Practicum Courses

840V Advanced Social Work Practicum I (1-3) To provide individualized professional experience in micro or macro social work practice, building on opportunities provided and competencies developed in Advanced Practicum I.

841V Advanced Social Work Practicum II (3-4) To provide individualized professional experience in micro or macro social work practice, building on opportunities provided and competencies developed in Advanced Practicum I.

Micro Practice Courses

849V Clinical Seminar in Mental Health (2) A seminar exploring various aspects of clinical work in a mental health setting. There will be opportunities for presentation and discussion of case studies and concerns encountered by students during their field settings. Prereq: SW 820 or permission of instructor.

850V Task Groups in Macro Practice (3) A seminar designed for advanced students involved in social service delivery and planning and community organization and community development. Prereq: SW 814V and SW 817V, or permission.

646/666M Social Work Administration (3) A study of the role of the social worker administrator in the creation and administration of social service agencies and planning and administration courses. Prereq: SW 814V and SW 817V, undergraduate equivalent, or permission.

854V Social Work Planning (3) An advanced course in social planning, including administrative techniques for social services, comprehensive planning for social welfare programs, and planning for social change. Prereq: SW 814V and SW 817V, undergraduate equivalent, or permission.

850V Supervision in Social Work (3) To provide the student with knowledge of theories and practices in techniques utilized by social worker or volunteer staff in social agencies, with emphasis on the leadership and helping functions of the supervisor in both technical and administrative roles. Prereq: Completion of accredited undergraduate social work program and one year graduate level of social work courses, or permission of instructor.

855V Advanced Policy Analysis and Implementation (3) An advanced course in policy analysis, techniques, and practice development. Prereq: SW 805, SW 814 and SW 817; undergraduate equivalent, or permission.

Social Problem/Condition Courses

469/869V Social Work in Mental Health (3) This course is an elective for the advanced student who is seeking substantial specialization of current knowledge of current social work practice in mental health and mental retardation. Prereq: Senior social work major, graduate social work students or permission of instructor.

642/862M Social Welfare and Institutional Racism (3) An examination of racism in social institutions, including social welfare, with particular attention to the implications for social work practice and the social work practitioners. To increase the students awareness of racism in the behavior of both racial minorities and whites. Prereq: Senior social work majors, graduate social work students or permission of instructor.

463/863M Social Work in Health Care Programs (3) A critical review of social work practice in health care programs, as it was, its current status, emerging social issues, and the design of the course provides learning in both macro and micro aspects of health care delivery. The students will have an opportunity to examine and experience several aspects of health care delivery and the role of the worker in it. Students will also be exposed to various resources and special groups involved in the provision of health care, and some of the administrative mechanisms that are currently utilized in the delivery of health care in those systems. Prereq: SW 810 or permission of instructor.

646/866M Social Work in Child Welfare (3) The course is designed for the student to acquire an understanding of the primary child welfare programs and services designed to strengthen family living. The three primary types of child welfare programs are: (1) protective services; (2) supplemental services; and (3) substitute services. Prereq: SW 810.

887 The Human Ecology of Child Abuse and Neglect: An Analysis of Research and Intervention (J) This course will provide a review of existing literature on the meaning, origins, and consequences of child abuse and neglect. It will acquaint the student with significant approaches to prevention, treatment and/or new emphasis on research issues in child abuse and neglect. Prereq: Graduate standing and basic research methods course, or permission of the instructor.

890 Social Work in the Juvenile Justice System (3) To provide the graduate social work student understanding of the nature and methods of practice of social work in the juvenile justice system. Prereq: SW 890 or equivalent, or permission.

891/892M Working With Minority Ethnicity (3) This course is designed to provide the student with knowledge of the definitions and focus on social phenomena of the minority ethnic group within the United States. Prereq: SW 805, Social Work in Geronotology or Social Work in Juvenile Justice and permission of instructor.

870V Alcohol Abuse: Comprehensive Treatment Programs (3) An examination of problems and programs of alcoholism, and its common in a social work setting. Special emphasis is given to prevention, intervention, referral, etiology, and treatment alternatives and resources.

871V Alcohol Abuse: Comprehensive Community Practice (3) An examination of the elements of a comprehensive service system for alcohol-related problems.

469/890V Social Work and the Law (3) An examination of some of the legal aspects of social work practice, with an emphasis on the implications for the social worker, in the legal setting. Prereq: Senior social work majors, graduate social work students or permission of instructor.

469/899V Research Methods in Social Work (3) An examination of research in social work practice. Prereq: Research Methods course, or permission of instructor.

890 Master's Thesis (6) Under the supervision of the thesis instructor and the thesis committee, the student will complete a thesis research. Prereq: SW 890 or equivalent, or permission.

Sociology

Anthropology

462/862M World Anthropology I (3) The course is intended to examine the city from an anthropological point of view. Included will be an overview of its history and the processes by which cities are formed and grow as well as the social structure and processes that make up urban life. The course is intended to be comparative and methodologically contemporary. Topics covered will include urbanization and cities in both the so-called "third-world countries" as well as developed, industrialized ones. Students majoring in the subject will be required to do a substantive term paper on a topic mutually agreed upon with the instructor and the student. In addition to the written work, the student will be expected to make an oral presentation in class of the research project and the major findings. Prereq: Permission of the instructor.

421/813M Cultural Anthropology (3) Arts, economics, family, kinship, politics, sub­ 200 society, culture, and the world of view as part of an integrated whole. A way of life in human society. Humanity will be drawn from a number of societies, anthropological and historical perspective. Prereq: Permission of the instructor.

842/822M North American Anthropology I (3) American Indian culture and the French-American United States, introduction to anthropological techniques, including ethnography, self-observation and field notes, and the writing of a report. Prereq: 5422 Anthropology 105 or 822M, permission of the instructor.

452/852M Psycholinguistics (3) A discussion of the relationship between the mind and behavior, with special emphasis on the psychological variables as perception, learning, memory, and development. The instructor will also discuss the linguistic variables of sentence structure, meaning, and speech sounds. (Same as Psychology 852M.) Prereq: 5422M. Students must complete the course by the end of the year. Prereq: Permission of instructor.

437/812M Seminar in Anthropological Problems (3) The seminar will involve an investigation of a selected field topic of interest to the instructor. Prereq: 422M, permission of the instructor.
roles, self control. Analysis and measurement of behavior in the context of socially defined fields. Prereq: For 401, 9 hours of sociology, including 403 and 404. For 801M, permission of the instructor.

402/802M Collective Behavior (3) Group and individual processes of ephemeral social action and institution formation are studied. The development of those groups and institutions through new movements and organizations through comparative analysis; core and comparative investigations of the origins and growth of collective movements are made and relevant social theories tested. Prereq: For 402, 9 hours of sociology, including Sociology 101 and 301. For 802M, permission of the instructor.

410/810M The Community (3) A basic course in community sociology. Sociological theory and the uses of empirical research are applied to published studies of communities in the United States and elsewhere. The comparative social scientific method is elaborated as it permits data derived from community investigation. Prereq: For 410, 9 hours of sociology including Sociology 101. For 810M, permission of the instructor.

411/811M Applied Social Gerontology (3) An introduction to social gerontology with a special emphasis on the effects of aging on social institutions and social participation. Examine preconceptions and implications. Prereq: Permission of instructor.

412/812M Urban Geography (3) A geography of the urban environment with an emphasis on critical analysis of the city and its development. Field trips to urban centers in the Midwest may be included. Prereq: For 412, junior standing. For 812M, permission of the instructor. (Same as Geography 412.)

413/813M Sociology of Deviant Behavior (3) A theoretical and empirical examination of group behavior and subcultures to community standards of conventional behavior as expressed in the various systems of social control. Prereq: For 413, 9 hours of sociology, including Sociology 101. For 813M, permission of the instructor.

414/814M Urban Sociology (3) Examines urban theoretical perspectives, urbanization processes, diversity of metropolitan communities, urban stratification, metropolitan growth, urban neighborhoods, community power and urban policy and planning. Prereq: Permission of instructor.

420/820M The American Family Problems (3) (1) A theoretical treatment of the family as a social institution illustrating the essential functions it provides for its members and the society. (2) An analysis of failures of function and attendant problems in a variety of American families: Parenthood tensions, problems of sexual adjustment, conflict, matriarchal families, desertion, divorce, others. Prereq: For 415, 3 hours of sociology; for 820M, permission of the instructor.

852M Advanced Quantitative Methods (3) This course familiarizes students with contemporary which the social sciences explore social and cultural relations in natural settings. Students will conduct individual and/or group field projects. Prereq: Permission of the instructor.

853M Advanced Qualitative Methods (3) This course provides an advanced consideration of methodologies and data analysis that contribute to the generation and management of quantitative social science data. The development of techniques that will be involved in the process of instrument construction and evaluation: both in survey, qualitative, and on-line methods and theory and method construction and evaluation. Prereq: Permission of the instructor.

871V Seminar in Sociology (3) (3) An intensive study of departmental graduate student work, a basic orientation to the professor, in leading and supervising the institution. Graduate students in sociology and related universities. Examines the diversity of metropolitan communities and social participation. Examines social scientific theory and the methods used to study social participation. Prereq: Graduate standing and permission of instructor.

875V Seminar in Sociological Theory (3) (3) A seminar or discussion group focusing on the sociology of religion, the social psychology of religion, and the sociology of family. Prereq: Graduate standing and permission of instructor.

876V Seminar in Occupations and Professions (3) (3) A seminar in the sociology of occupations and professions. The focus is on the relationship between occupation and social structure. The emphasis is on the interactional aspects of occupations and professions. Prereq: Graduate standing and permission of instructor.

878V Seminar in Social Policy (3) A seminar on social policy. The focus is on the analysis of social policy and the implementation of social policy. Prereq: Graduate standing and permission of instructor.

880V Seminar in Research Methods (3) A seminar in research methods. The seminars will cover a variety of research methods and the analysis of data. Prereq: Permission of the instructor.

895V-896V Practicum in Applied Sociology (Each) (3) A practical work experience under supervision which provides students with opportunity for applying principles from the student's academic area of concentration. Prereq: Graduate sociology major for the M.S. Degree. program without implying duplication. Prereq: Permission.
940V Seminar in Small Group Communication (2, 4, 5) (3) A seminar course, which is the only reading and research and teaching a discussion course. Prereq: Communication, basic statistics, or permission of the instructor. (Same as Communications 940 and Psychology 940)

Special Education

908 Introduction to Design of Human Service Systems (3) This course is designed for graduate students interested in the design of human service systems, especially those choosing to be teachers of the deaf impaired children. The course will provide an overview of the analysis of (1) history of services, (2) current trends, and (3) future directions. The basic service philosophy, attitude toward education, and the role of the different types of professionals in the service delivery system will be discussed. This course is designed for students preparing to be teachers of the hearing impaired. Prereq: SPED 421 and FED 801.

423/823M Language, Auditory and Auditory Impaired Children (3) An investigation of the nature and structure of language, the various factors concerned with development of language in normally hearing children. The effects of language development, language development in the hearing impaired child. This course is designed for students preparing to be teachers of the hearing impaired. Prereq: FED 801.


458/858M Speech Science II: Experimental and Applied Phonetics (3) An analysis of phonetic and phonetic elements in major American English dialects; practice in the application of knowledge and skill in the use of the sound spectrograph, spirograph, and other equipment. Prereq: For 458, Junior standing, 2.5 GPA (F,S,Su).


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discovering that a handicapped child is going to be (or has been) placed in their class. Because of the nature of the class it will not be restricted to regular educators. People concerned with the total education of handicapped children are expected to take the course to be of value, Prereq: FEDV 801V or permission of the instructor.

865V Interdisciplinary Approaches to Developmental Disabilities (3) This is an introductory course that will be offered with the various developmental disabilities as principles as viewed by different disciplines at the University of Nebraska at Omaha. The different disciplines will come in and present an overview of their role in working with the developmentally handicapped child. (F) Prereq: FEDV 401.

865Y Research Projects (3) Individual or group study and analysis of specific problems.

861V Reading Diagnosis and Remediation for the Elementary Teacher (3) This course is designed for in-service teachers who are interested in diagnostic and remedial techniques appropriate for the elementary child. Diagnostic techniques will be analyzed, constructed, and administered during the course. Remedial techniques for disabled readers will be examined. Prereq: One reading course and Graduate standing.

862V Diagnostic and Remedial Instruction in Reading (3) A course for advanced students in reading which will provide the student with the essential information for the diagnosis and remediation of reading disabilities. (F,S,Su) Prereq: SPED 891 or 912.

864V Measurement and Evaluation of Reading (3) A course for advanced students in reading which will provide the student with the necessary background for establishing and operating a reading center (i.e., initiating and accepting referrals, forming evaluation schedules, administering reading tests, scoring, and writing case reports and establishing follow-up sessions). (F) Prereq: SPED 891V.

865V Clinical Practice in Reading (3) A laboratory-oriented course for advanced students in reading which will provide them with practical training in the use of proper reading remedial techniques as a basis for their teaching. A minimum of 45 clock hours of work is required for each credit hour per semester. (F,S,Su) Prereq: Twenty-four contact hours of SPED 864.

867V Pediatric Audiology (3) The course is designed for graduate majors in speech pathology and audiology and for students in education of the deaf. The purpose of the course is to introduce the students to topics important to the understanding of the development of human hearing in order to improve the quality of care that will be included basic terminology, techniques for testing and assessment of children categorized as neones, infants and young children, and audiometric equipment. Disorders of hearing commonly found in children will be stressed. Remedial procedures and approaches for hearing disabilities will be developed. Prereq: Hearing (F,S,Su) Prereq: FEDV 347.

874V Hearing Disorders (3) This course will focus on the problems caused by disease processes which are associated with the auditory system. This course is designed to provide graduate students who need more than one semester in an area of study. This is a course that is intended for students who have completed a basic understanding of the auditory system. This course will cover the basics of hearing and the effects of hearing loss on speech, language, and communication. Prereq: FEDV 801V or permission of the instructor.

883V Advanced Clinical Practice in Speech Pathology (3) This course is designed for students who have completed a basic understanding of the auditory system. This course will cover the basics of hearing and the effects of hearing loss on speech, language, and communication. Prereq: FEDV 801V or permission of the instructor.

891V Advanced Clinical Practice in Speech Pathology (3) This course is designed for students who have completed a basic understanding of the auditory system. This course will cover the basics of hearing and the effects of hearing loss on speech, language, and communication. Prereq: FEDV 801V or permission of the instructor.

895V Advanced Clinical Practice in Speech Pathology (3) This course is designed for students who have completed a basic understanding of the auditory system. This course will cover the basics of hearing and the effects of hearing loss on speech, language, and communication. Prereq: FEDV 801V or permission of the instructor.

896V Theoretical Approaches to Teaching The Developmentally Disabled (3) This is an advanced methods course for students majoring in Special Education. It will be restricted to graduate students. Prereq: Permission of the instructor.

896V Community Services for the Handicapped (3) An introduction to community and regional agencies providing services for the developmentally disabled. Prereq: FEDV 801V or permission of the instructor.

870V Seminar in Special Education (3) Graduate course for professionals seeking special education certification or advanced training in special education. Prereq: Permission of the instructor.

871V Parent-Professional Relationships in Special Education (3) This course includes interviewing, parenthood, and the legal aspects of the relationship between parents and professionals. Students will participate in workshops, conferences, and community activities that relate to the teaching of the disabilities. Prereq: Permission of the instructor.

872I Basic Practicum in Special Education (3) This course provides practical experience in clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the interests of the student. Prereq: Permission of the instructor.

8741V Observational and Demonstration Practicum in Special Education (3) A second semester of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the interests of the student. Prereq: FEDV 801V.

8751V Advanced Practicum in Special Education (3) A second semester of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the interests of the student. (F,S,Su) Prereq: FEDV 801V.

8761V Advanced Practicum in Special Education (3) A second semester of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the interests of the student. (F,S,Su) Prereq: FEDV 801V.

8771V Advanced Observation and Demonstration Practicum in Special Education (3) A second semester of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the interests of the student. (F,S,Su) Prereq: FEDV 801V.

8781V Advanced Observation and Demonstration Practicum in Special Education (3) A second semester of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the interests of the student. (F,S,Su) Prereq: FEDV 801V.

8791V Advanced Practicum in Special Education (3) A second semester of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the interests of the student. (F,S,Su) Prereq: FEDV 801V.
SPED 896 (F, S) Prereq: SPED 895 and SPED 897V or learning SPED 895 (Basic Diagnosis) and SPED 897 psychological), criteria referenced tests and in­

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421/821M Contemporary Trends in Industrial Education for the World of Construction (3) This course explores two central themes, race and ethnicity, which have played a major role in the shaping of American soci­

117 TOPICAL SEMINAR IN READING (3) Participa­tion is limited to individuals who have com­

109 Thesis (3-6) Required of all students taking master of arts degree; see major adviser for in­formation. (F, S, Su) Prereq: SPED 895.

991 Problems of Teaching Reading—Elementary (3) This is a beginning graduate course for both
elementary and secondary teachers and is open
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116 UNIVERSITY OF NEBRASKA AT OMAHA

121/821M Contemporary Trends in Industrial Education for the World of Manufacturing (3) This course explores a new program development in in­
dustrial education, with major emphasis placed upon the world of manufacturing curric­ulum. Analysis of basic manufacturing opera­tions and managemenct practices utilized in indus­try and subjects them to high junior high industrial laboratory. Prereq: For 421, junior, for 821m, graduate standing.

122/822M Contemporary Trends in Industrial Education for the World of Manufacturing (3) This course explores a new program development in in­
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420 Seminar in Research in Reading (3) A course for graduate and post-graduate students relating to in-depth studies of significant, recent research in reading with appropriate application for instructional procedures which may be un­
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<tr>
<td><strong>ROBERT L. ACKERMAN</strong></td>
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<tr>
<td>Ed.D., University of Nebraska-Lincoln, 1966; Professor</td>
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<tr>
<td><strong>ROBERT SOR</strong></td>
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<td>Ed.D., Oklahoma State University, 1965; Professor</td>
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<td><strong>PAUL B. ACKERSON</strong></td>
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<td><strong>DAVID M. AMBROSE</strong></td>
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<td><strong>CLIFFORD ANDERBERG</strong></td>
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<tr>
<td><strong>SUNNY ANDREWS</strong></td>
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<tr>
<td>Ph.D., Johns Hopkins University, 1973; Associate Professor</td>
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<tr>
<td><strong>AARON ARMFIELD</strong></td>
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<tr>
<td>Ed.D., University of Northern Colorado, 1964; Professor</td>
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<tr>
<td><strong>WALTER M. BACON, JR.</strong></td>
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<tr>
<td>Ph.D., University of Denver, 1974; Assistant Professor</td>
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<tr>
<td><strong>BRUCE P. BAKER II</strong></td>
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<tr>
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<td><strong>GEORGE W. BARGER</strong></td>
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<td><strong>NICHOLAS BARISS</strong></td>
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<td>Ph.D., Clark University, 1967; Professor</td>
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<td><strong>CLYDE BASSETT</strong></td>
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<tr>
<td><strong>GORDON M. BECKER (GF)</strong></td>
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</tr>
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<td>D.B.A., University of Colorado-Boulder, 1966; Professor</td>
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<td><strong>KRIS E. BEREK</strong></td>
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<td><strong>ROGER M. BERG</strong></td>
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<td><strong>JOSEPH BERTINETTI</strong></td>
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<td><strong>LAWRENCE J. BRADSHAW</strong></td>
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<tr>
<td>M.F.A., Ohio University, 1962; Professor</td>
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<tr>
<td><strong>THOMAS BRAGG</strong></td>
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<tr>
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<tr>
<td><strong>JEAN BRESSLER</strong></td>
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<td><strong>JOHN L. BRICKELL</strong></td>
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<td><strong>JOHN K. BRILHART (GF)</strong></td>
</tr>
<tr>
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<td><strong>EVAN L. BROWN (GF)</strong></td>
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<td><strong>WILLIAM M. BROWN</strong></td>
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<td><strong>BARBARA E. BUCHALTER</strong></td>
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<td>Ph.D., University of Arizona, 1963; Professor</td>
</tr>
<tr>
<td><strong>H. EDSEL BUCHANAN</strong></td>
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<td>Ed.D., University of Houston, 1975; Associate Professor</td>
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<tr>
<td><strong>SIDNEY BUCHANAN</strong></td>
</tr>
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<td>M.A., New Mexico Highlands University, 1963; Professor</td>
</tr>
<tr>
<td><strong>DAVID M. BUEHLMANN</strong></td>
</tr>
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<td>Ph.D., University of Illinois, Urbana, 1973; Associate Professor</td>
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<tr>
<td><strong>DALE M. BUNSEN</strong></td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>HOBART BURCH</strong></td>
</tr>
<tr>
<td>Ph.D., New Mexico State University, 1960; Professor</td>
</tr>
</tbody>
</table>

**COURSE DESCRIPTIONS**

**GRADUATE FACULTY**

**JOHN V. BLACKWELL** | Art |
| Ph.D., University of Iowa, 1957; Professor |
| **RICHARD H. BLAKE** | Counseling and Guidance |
| Ed.D., University of Missouri-Columbia, 1966; Professor |
| **DANIEL BLANKNIE** | Health, Physical Education and Recreation |
| Ph.D., University of Oregon, 1975; Assistant Professor |
| **WILLIAM BLIZK (GF)** | Philosophy and Religion |
| Ph.D., University of Missouri-Columbia, 1979; Associate Professor |

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**JOANNE BROWN** | Secondary/Post-Secondary Education |
| Ed.D., University of Nebraska-Lincoln, 1965; Associate Professor |
| **WILLIAM M. BROWN** | Marketing |
| Ph.D., University of Pittsburgh, 1957; Professor |
| **BARBARA E. BUCHALTER** | Mathematics and Computer Science |
| Ph.D., University of Arizona, 1963; Professor |
| **H. EDSEL BUCHANAN** | Health, Physical Education and Recreation |
| Ed.D., University of Houston, 1975; Associate Professor |
| **SIDNEY BUCHANAN** | Art |
| M.A., New Mexico Highlands University, 1963; Professor |
| **DAVID M. BUEHLMANN** | Accounting |
| Ph.D., University of Illinois, Urbana, 1973; Associate Professor |
| **DALE M. BUNSEN** | Secondary/Post-Secondary Education |
| Ed.D., University of Nebraska-Lincoln, 1968; Associate Professor |
| **HOBART BURCH** | Social Work |
| Ph.D., New Mexico State University, 1960; Professor |

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| Ed.D., University of Houston, 1975; Associate Professor |
| **SIDNEY BUCHANAN** | Art |
| M.A., New Mexico Highlands University, 1963; Professor |
| **DAVID M. BUEHLMANN** | Accounting |
| Ph.D., University of Illinois, Urbana, 1973; Associate Professor |
| **DALE M. BUNSEN** | Secondary/Post-Secondary Education |
| Ed.D., University of Nebraska-Lincoln, 1968; Associate Professor |
| **HOBART BURCH** | Social Work |
| Ph.D., New Mexico State University, 1960; Professor |
MICHAEL SKAU ...... English
Ph.D., University of Illinois (Urbana-Champaign), 1978; Assistant Professor

ANDRIS SKREJZA ...... Sociology
Ph.D., University of Minnesota-Minneapolis, 1973; Assistant Professor

MADELEINE SMITH .... Foreign Languages
Agrée, Sorbonne, Paris, France, 1972; Associate Professor

PHILLIP CHARLES SMITH ...... English
Ph.D., University of Nebraska, 1974; Assistant Professor

JACQUELINE ST JOHN ...... History
Ph.D., University of Oklahoma, 1969; Assistant Professor

PAUL J. STAGEMAN ...... Chemistry
Ph.D., University of Nebraska-Minneapolis, 1967; Professor

LARRY J. STEPHENS ...... Mathematics and Computer Science
Ph.D., Oklahoma State University, 1972; Associate Professor

JUSTIN D. STOLEN (GF) ...... Economics
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DALE A. STOVER ...... Philosophy and Religion
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RICHARD H. WARREN (GF) ...... Mathematics and Computer Science
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FLOYD T. WATERMAN (GF) ...... Educational Foundations
Ed.D., University of Nebraska, 1969; Associate Professor

BLAINE E. WARD ...... Educational Foundations
Ed.D., University of Nebraska, 1969; Associate Professor

RICHARD H. WARREN (GF) ...... Mathematics and Computer Science
Ph.D., University of Nebraska, 1974; Associate Professor

JOHN W. WANNER ...... Communication
Ph.D., University of Nebraska-Lincoln, 1974; Associate Professor

A. THOMAS WEBER ...... Biology
Ph.D., University of Wisconsin-Madison, 1970; Professor

RICHARD S. THILL (GF) ...... Foreign Languages and Literature
Ph.D., University of California-Los Angeles, 1973; Assistant Professor

RALPH WEST ...... Foreign Languages
Ph.D., University of North Carolina at Chapel Hill, 1974; Assistant Professor

WayNE Wheeler (GF) ...... Sociology
Ph.D., University of Michigan, 1975; Professor

RICHARD L. WICKOFF (GF) ...... Psychology
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MARY E. WILLIAMSON ...... Communication
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R. WAYNE WILSON ...... Real Estate and Business Law
GRADUATE FACULTY MEMBERS (Joint Appointment with College of Medicine)

CAROL R. ANGLE, M.D., Cornell University Medical College, 1951; Associate Professor

KENNETH BERRY, Ph.D., Texas Christian University, 1964; Associate Professor

KAREN S. BUDD, Ph.D., University of Kansas, 1972; Assistant Professor

ROBERT J. ELLINGSON, Ph.D., Northwestern University, 1962, M.D., University of Nebraska-Lincoln, 1963; Professor

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CHARLES GOLDEN, Ph.D., University of Hawaii, 1975; Assistant Professor

J. MICHAEL LEIBOWITZ, Ph.D., Psychology, University of Maryland, 1974; Associate Professor

CORDELIA ROBINSON, Ph.D., George Peabody College for Teachers, 1972; Associate Professor

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Administrative Staff

Robert L. Ackerman, Chairperson, Elementary and Early Childhood Education

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Polly Nimmer, Chairperson, Ombudsman

Murray North, Associate Dean, College of Fine Arts

Tom Norwood, Assistant, Dean, College of Education

Richard Overfield, Chairperson, Health

William Pink, Chairperson, Educational Foundations

GOLDEN (GF) ..... \t....................

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GOLDEN (GF) ..... \t....................
### INDEX

<table>
<thead>
<tr>
<th>A</th>
<th>Absences from class</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Accredited standing</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Administrative officers</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Admission Classification</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Unconditional</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Provisional</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Non-degree</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Temporary</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Admission to Professional Education</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Programs</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Appeals Procedure</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Applications</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>For Admission to Graduate Study</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>For Candidacy for the Degree</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>For the Degree</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Assistantships, graduate</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Audit</td>
<td>25</td>
</tr>
<tr>
<td>B</td>
<td>Beta Gamma Sigma, National Business Honor society</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Board of Regents</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>Calendar for 1978-79</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Candidacy for degree</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Cease for Urban Education</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Certificate</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Administrative</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>English</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Geology</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>School Psychologist</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Teacher</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Change of Major</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Class Attendance</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Commencement Exercises (consult calendar)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Comprehensive examinations</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Courses for Graduate credit</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Course offerings (consult table of contents - course descriptions)</td>
<td>3</td>
</tr>
<tr>
<td>D</td>
<td>Degree programs</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Degree Requirements (consult table of contents)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Departments offering graduate instruction</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Dropping courses</td>
<td>18</td>
</tr>
<tr>
<td>E</td>
<td>Examinations for Graduate Students</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Graduate Record Examination</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Admission Test for Graduate Management Study</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>The Test of English as a Foreign Language</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Miller Analogies Test</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Faculty, Graduate</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Faculty Senate Research Committee</td>
<td>30</td>
</tr>
</tbody>
</table>

| G | Grades, standard of | 16 |
|   | Graduate Assistantships | 25 |
|   | Graduate Council | 27 |
|   | Graduate Faculty Fellows | 27 |
|   | Graduate Faculty Members | 28 |
|   | Graduate Management Examination | 29 |
|   | Graduate Program Committee | 27 |
|   | Graduate Record Examination | 27 |
|   | Graduate Studies History and Purpose | 9 |
|   | Incompletes Policy | 16 |
|   | Late Registration (consult calendar) | 5 |
|   | Load, study | 18 |
|   | Loans | 26 |
| M | Master of Arts Degree | 10 |
|   | Master of Arts for Teachers of Mathematics | 10 |
|   | Master of Business Administration Degree | 10 |
|   | Master of Public Administration Degree | 10 |
|   | Master of Science Degree | 10 |
|   | Master of Social Work Degree | 10 |
|   | Matriculation Fee | 11 |
|   | Miller Analogies Test | 12 |
|   | Non-degree Areas | 64 |
|   | Non-degree students | 13 |
|   | Non-residents of Nebraska | 22 |
| O | Onbdubman | 18 |
|   | Oral Examination on Thesis | 15 |
|   | Omicron Delta Epsilon, National Economics Honor society | 26 |
| P | Phi Delta Gamma, Women's Graduate Sorority | 26 |
|   | Phi Delta Kappa, Men's Graduate Education | 26 |
| Q | Quality of Work | 16 |
| R | Refunds | 20 |
|   | Registration, procedure | 14 |
|   | Dates for (consult calendar) | 5 |
|   | Fees | 11, 29 |
| S | Scholarships | 26 |
|   | School Psychologist Program | 30 |
|   | Specialists in Education Degree | 30 |
|   | Study Abroad | 18 |
T
Test of English as a Foreign Language ........ 12
Tuition and fees ........................................ 20
Tuition Waivers ......................................... 35
Thesis ....................................................... 15
U
Time Limit for Graduate Degrees ............... 19
University Regulations .......................... 10
Transcripts of undergraduate and graduate .... 11
credit for admission ................................... W
Transfer for Credit ...................................... 19
Traveling Scholar Program ......................... 26
Withdrawal .................................................. 19