Graduate Academic Catalog (1978-1979)

University of Nebraska at Omaha

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Schuyler

William Swanson,  
Corporation Secretary

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ACADEMIC CALENDAR

First Semester 1978-79

July 14
Last day for submitting credentials for admission to Graduate Studies for First Semester 1978-79.

July 17-Sept. 1
Orientation.

Aug. 1
Last day for submitting credentials for admission to an undergraduate college for the First Semester 1978-79.

Aug. 23, 24, 25
Registration (Fieldhouse)
First semester begins at 7:00 a.m. both day and evening classes.

Aug. 28
Change of class schedules.

Aug. 28-Sept. 1
Last day until 4:00 p.m. to: Add a course to student's schedule; Add an "audit" course; Change to "CR/NC" grade in a course.

Sept. 1
Vacation: no classes. University closed.

Sept. 4
Vacation: no classes.

Sept. 5
Last day for filing applications for degrees to be conferred in September.

Oct. 9
Due: Mid-term (8th week) report from faculty of grades under C for all undergraduates.

Oct. 20
Last day until 4:00 p.m. to: Drop a course with a grade of "W"; Change a course to "audit" credit; Change from "CR/NC" to grade registration in a course.

Nov. 10
Thanksgiving vacation; no classes.

Nov. 22-25
Due: Mid-term (10th week) report from faculty of grades under C for all undergraduates.

Nov. 23, 24
University closed.

Nov. 27
Classes resume at 7:00 a.m.

Dec. 15
Last day for submitting credentials for admission to Graduate Studies for Second Semester 1978-79.

Dec. 16-22
Last day until 4:00 p.m. to: Add a course to student's schedule; Add an "audit" course; Change to "CR/NC" grade in a course.

Dec. 23
Due: Mid-term (12th week) report from faculty of grades under C for all undergraduates.

Dec. 25, 26
Commencement. University closed.

Dec. 27
Grades due in Registrar's Office at 12:00 noon.

Dec. 26-Jan. 2
Special course offerings.

Second Semester 1978-79

Jan. 1
Holiday. University closed.

Jan. 2-9
Last day for submitting credentials for admission in undergraduate college for the Second Semester 1978-79.

Jan. 10-12
Orientation.

Jan. 13
Registration (Fieldhouse)
Second Semester begins at 7:00 a.m. both day and evening classes.

Jan. 15
Change of class schedules.

Jan. 15-19
Last day until 4:00 p.m. to: Add a course to student's schedule; Add an "audit" course; Change to "CR/NC" grade in a course.

Jan. 19
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 9
Spring vacation; no classes.

March 26-31
Due: Mid-term (10th week) report from faculty of grades under C for all undergraduates. Also last day for filing applications for degrees to be conferred in May.

April 2
Categories resume 7:00 a.m.

April 6
Last day until 4:00 p.m. to: Drop a course with grade of "W"; Change a course to "audit" credit; Change from "CR/NC" to grade registration in course.

April 16
Last day for submitting credentials for admission to Graduate Studies for the Evening Summer Session 78-79.

April 17
Honor's Day.

April 26
Status report for all prospective graduating students due in Registrar's Office at 12:00 noon.

May 4
Last day of classes.

May 5-11
Finals.

May 12
Commencement.

May 14
Last day for filing credentials for admission to Graduate Studies for the First Summer Session, 1979.

May 16
Grades due in Registrar's Office by 12:00 noon.

May 30
Memorial Day. University closed.
Summer Session 1979

May 21-July 13
Evening Session.

May 21
Last day for submitting credentials for admission to an undergraduate college.

June 6, 7
Registration.

June 11-13
Change of class schedules.

June 14
First Summer Session.

Last day for submitting credentials for admission to Graduate Studies for the Second Summer Session 1979.

July 4
Holiday; University closed.

July 6
Last day for filing applications for degrees to be conferred August 18, 1979.

July 14
Final grades due in Registrar's Office by 12:00 noon.

Aug. 1
Last day for submitting credentials for admission to an undergraduate college for the Fall Semester 79-80.

Aug. 18
Status report for all prospective graduating students due in Registrar's Office by 12:00 noon.

Aug. 22
Summer Commencement.
Final grades due in Registrar's Office by 12:00 noon.

*The above dates are subject to change.

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DEPARTMENTS OFFERING GRADUATE INSTRUCTION

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

<table>
<thead>
<tr>
<th>DEPARTMENT OR AREA</th>
<th>Minor Only</th>
<th>Master of Arts</th>
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<tr>
<td>Urban Studies</td>
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</table>

**English as a second language.

*Ph.D. in the specialties of experimental psychology and developmental psychology offered in conjunction with the Psychology Department, UN-L. Ph.D. in the specialty of experimental child psychology is offered in conjunction with the Educational Psychology and Measurements Department, UN-L.
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; but in 1973, The Graduate College of the University of Nebraska was established with a University-wide graduate faculty.

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, research and special problems courses, and the supervision of theses or special projects. Thus the Graduate Faculty at UNO promotes the spirit of free investigation in the various disciplines and, at the same time, serve to unite the various branches of the University in advancing human knowledge and providing intelligent, capable leadership for society. The UNO Graduate Council consists of fifteen members from among the Graduate Faculty and student body. The Council serves in an advisory capacity to the Dean for Graduate Studies and Research and is responsible for planning and policy development, review of courses and programs, and faculty and student affairs.

ACCREDITED STANDING

The University of Nebraska at Omaha is fully accredited by the North Central Association of Colleges and Secondary Schools, and has programs which are accredited or approved by the National Council for Accreditation of Teacher Education, the National Council on Social Work Education, the Engineers Council for Professional Development, the American Home Economics Association (for undergraduate programs), the American Dietetic Association, the American Assembly of Collegiate Schools of Business (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.

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 can be arranged 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 designed to provide secondary school mathematics teachers with more depth in mathematics combined with a core of relevant professional courses in education.
This is a professional degree designed to provide broad educational experience for students who wish to assume positions of responsibility in government.

Skills for responsible practice in a wide variety of social service roles and settings.

The Specialist in Education Degree (S.E.D.) is an advanced degree, involving a minimum of one year of study beyond the Master's degree. It is designed to offer special professional education for preservice teachers.

UNIVERSITY REGULATIONS

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

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 original enrollments. "Continuity" means that the student is enrolled in both semesters of every academic year or at least one semester every year until all requirements for the degree have been satisfied. All students are, however, responsible for consulting their major advisors and checking on any changes announced. The Graduate College reserves the right to alter policies as would benefit the student through academic standards. New students should be familiar with the academic regulations of the University and Graduate Studies and the student is expected to assume full responsibility for knowing the relevant academic requirements. The student is responsible for complying with all regulations of the University, Graduate Studies, and the departments of instruction, and for meeting all degree requirements. The adviser 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 all other materials submitted in support of an application become the permanent property of the University and will not be returned. Graduates of the University of Nebraska at Omaha need not submit transcripts.
3. Scores on the GMAT which should accompany the application for admission to the Master of Business Administration program.

NOTE: For consideration of the Fall, Spring, Evening Summer, First Summer or Second Summer term, above credentials must be on file by July 15, December 15, April 15, May 15 or June 15 respectively. Those wishing to be considered for admission to the program in counseling and guidance should see page 20 for separate deadlines and dates.

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

Provisional admission is extended by individual departments in the University of Nebraska at Omaha to students who are not enrolled at the University but who intend to enroll. A student with no credit will be required to file in the Graduate Office an official transcript from a regionally accredited college or university and a letter from the Dean of the college or university from which the student graduated. The student must present these documents to the Graduate Office before being considered for admission.

The Counseling and Guidance Department requires those wishing to pursue a degree program in counseling to take admission examinations in addition to the Graduate Record Examination (see page 30).

Graduate Management Admission Test

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.

Miller Analogies Test

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 majoring in Speech Pathology 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 desiring 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 of 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 undergraduate work that meet specific requirements of the department in his graduate major and minor. A student from an institution which is not regionally accredited will be admitted on the same basis, provided that the student is recommended by the state university or college institution in which the student has earned a Bachelor's degree. Further work may be required, or suitable examinations, in some cases the completion of a Bachelor's degree at a regionally accredited institution. 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 supplied to the Dean for Graduate Studies and Research.
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 prerequisites required 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 or minor, but in no case involving the undergraduate prerequisites for graduate study. Provisional admission may be granted to a student who has less than a B average in the undergraduate work in his proposed graduate major or minor, but in no case involving the undergraduate prerequisites for graduate study, and written approval by the Dean for Graduate Studies and Research. This admission may be made for reasons of maturity, experience, or other circumstances under which the student may be deemed capable of high quality graduate study. This provisional admission will not be removed until the student has successfully demonstrated to the satisfaction of the Department and the Dean his or her ability to pursue graduate study.

Applicants to graduate study who have been graduated from unaccredited colleges or who have not completed all of the undergraduate credits required for graduation in an accredited institution but who have completed some undergraduate courses may be admitted to graduate non-degree student status. A student may not apply for admission to candidacy for any degree until he has met the requirements of unconditional admission. No more than twelve semester hours credit may be earned within the University of Nebraska System under Provisional Admission status without 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 graduate 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 transfer to another institution

Applicants in this non-degree category must meet graduate and departmental requirements for admission; each department has the right to establish policies for non-degree students enrolled in classes through it.

CREDENTIALS FOR ADMISSION

Applicants for graduate admission must meet the following requirements:
1. Hold a Bachelor’s degree from a regionally accredited institution
2. Have a grade point average of at least 3.0 on a 4.0 scale
3. If the applicant is a non-resident of the United States, he/she must be able to show financial support sufficient to meet all expenses

APPLICATION FOR CANDIDACY FOR GRADUATE DEGREE

Application to graduate study does not admit the student to candidacy for any degree. It is the student’s responsibility to make application for candidacy for the degree as soon as qualified to do so. The qualifications for admission to candidacy are:
1. Approval of the Dean for Graduate Studies and Research
2. A grade point average of at least 3.0 on a 4.0 scale
3. Approval of the Dean for Graduate Studies and Research if he/she is registering for more than twelve hours.

Requirements for admission to candidacy:
1. The candidate must have completed the number of course hours required for degree credit in the major field of study
2. The candidate must have completed at least six semester hours of graduate credit in the major field of study
3. The candidate must have completed the required hours of undergraduate prerequisites for graduate study in the major field of study

A final comprehensive examination is required of all candidates for the Master’s degree near the completion of their graduate study. For those candidates not writing a thesis, 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 a time convenient to the chairman of the major advisor. If the comprehensive is to be 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 content given by the candidate and one-half to the thesis.

For the degree Master of Business Administration, the course BA 990 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 of study if the candidate desires. The minor comprehensive is given at a date arranged at the convenience of both the student 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 their final enrollment; however, students should check with their advisers early in their programs to determine departmental policy concerning the administration of the written comprehensive examination. (Note: In most departments, students who plan degree program completion in August should register for the comprehensive examination in the preceding June.) Results of comprehensive examinations are recorded in the Graduate Office by the departmental chairperson no later than twelve working days before conferral of degrees.

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 advisor supported by a committee. The thesis provides an opportunity for the student to obtain first-hand experience in research methods under competent direction. A limited amount of credit is allowed for the thesis and the candidate must include the thesis as a course in his/her schedule during at least one semester. The thesis should be initiated at least eight months before the commencement in which the student plans to receive his degree. Three typewritten copies of the thesis (two copies for the University Library and the student's personal copy), plus an additional copy if requested by the department, are required. The original must be a typewritten copy on permanent bond paper of 20-pound weight. Copies should be on paper of at least 16-pound weight. Except for the original, the required number of additional copies may be reproduced by the xerography method or any other comparable process, provided they meet the requirements specified above.

The thesis must be approved by the student's thesis committee and submitted to the Graduate Office on University forms with a copy of the committee's report. The thesis committee shall consist of at least two members of the Graduate Faculty, the student's major adviser and a second member who is the student's permanent grade advisor. The thesis is evaluated on a quality of work and a weight. Copies should be submitted to the library and the University in case of approval by the committee. The student's permanent grade advisor must indicate by a departmental recommendation and the approval of 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.

The graduate faculty member from another department may be chosen by the student. If the thesis examination is to be by examination alone, a thesis examination committee may be formed with the student's major advisor as chairperson. If the thesis examination is to be by oral examination, the student's major advisor must have the scores sent to the Graduate Office.

SUMMARY OF PROCEDURE FOR GRADUATE STUDENTS

1. File an official transcript of undergraduate credits (and graduate, if any), an application for admission form with the Director of Admissions. You will be notified by mail of your admission to graduate study.

2. Arrange to take the entrance examination (GRE, GMAT or MAT) in the Eppley Building. If you have previously taken the examination, have the scores sent to the Graduate Office.

3. Arrange your class schedule with your adviser and have him sign your registration slip.

4. Request release from the prerequisites for the comprehensive examinations during the summer sessions. The student should inform his instructor of the intent.

5. Apply for admission to candidacy for the degree in accordance with the procedure described above.

6. Apply for the degree in the Office of the Registrar during the semester or session in which the degree is to be conferred. (See Calendar for exact date.) NOTE: If you are unable to complete the requirements prior to the date you applied for the degree or for the first time, write a letter to the Registrar, observing the deadlines for whichever semester or session is applicable.

7. Inform the department chairperson of your intention to graduate at the end of the semester so that your record grade may be compiled.

8. Prepare a thesis, with grades, pay all fees and fines (traffic, library, etc.), and satisfy any other obligation you might have to the University at least twelve working days before the time of your final enrollment.

9. If you are writing a thesis, make arrangements with your department for the oral examination to be given with ample time to have the corrected and approved thesis deposited in the Graduate Office at least twelve working days prior to conferral of the degree. The scheduling of oral examinations may be contingent upon the availability of appropriate members of the Graduate Faculty.

10. Order the cap and gowns from the Bookstore.

QUALITY OF WORK

A "B" average must be maintained in all graduate courses taken in the student's major field of study as well as in all courses included as a part of the Plan of Study, as approved on the Application for Graduation. A grade of D- or below for any course in the student's major field or in any course included as a part of the Plan of Study 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 COORDINATING GRADUATE COMMITTEE or, ADJUNCT ADVISOR as the spokesperson for the committee and the approval of the Dean for Graduate Studies and Research in order to take coursework as a non-degree student. The student may NOT be a candidate for the degree at that time. The student must be re-enrolled by the Dean for Graduate Studies and Research.

The above quality of work standards also apply to non-degree students. A student and his points 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.

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

Each instructor must judge each situation. The instructor must also indicate by a departmental record, with a copy to the student, how and by when the Incomplete is to be removed. If he/she is at the University at the time of the removal, supervise the makeup work and correct the 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 will supervise the removal of the Incomplete and turn in the permanent grade for the student.

NOTE: Two or more incompletes (excluding research projects and thesis) will result in a stop in student's enrollment. The student may NOT be a candidate for the degree at that time. The student must be re-enrolled by the Dean for Graduate Studies and Research.

11. The cost of binding three copies (see Fees) must be paid by the candidate at the time the thesis is submitted to the Graduate Office together with the signed approval sheets at least twelve working days prior to the conferral of the degree.
POLICY ON CLASS ATTENDANCE

The policy: Classes are conducted on the premise that regular attendance is desirable and expected. The individual instructor has the responsibility for managing student attendance and for communicating at the beginning of each semester those class attendance policies which prevail in that classroom. If a student is absent or anticipates an absence, the student's primary responsibility is directly to the instructor, and the student should consult with them accordingly. A student who misses a class is nonetheless responsible for information and assignments communicated during that class session. If a student is absent from a class, the student is responsible for notifying the instructor and for obtaining any information conveyed. If the student is absent because of illness, the student should notify the instructor and be prepared to document the reason for extended absences.

Instructor officials who may require students, individually or collectively, to be absent from their classes due to a field trip or similar officially-recognized activity are responsible for providing adequate information to the students involved so that the students may provide notice to other instructors.

Appeals procedure: "Should there be cause on the part of individuals involved to feel that the reasons for absence were not considered with equity, a decision with punitive consequences may be appealed. The initial appeals procedure is the same as that provided for in each departmental unit for other academic, classroom-related items (e.g., grades, cheating, etc.), involving the student submitting the justification for the appeal in writing to the department. If the initial appeal decision is unsatisfactory, that decision may be appealed in writing to the Academic Dean indicating the specific nature of the appeal to be considered and requesting the consideration of the appropriate collegiate committee designated for hearing such grievances.

The Academic Dean, or designee, will provide a written statement to the student within ten working days of the receipt of the written appeal. The written statement will be forwarded to the student and the college committee in question. If the student wishes to appeal further to the Academic Dean, a written appeal may be submitted to the University Committee on Academic Standards, which serves an appellate function in hearing appeals of students who feel aggrieved on the basis of decisions rendered by the academic dean.

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

The routing of appeals shall be as follows:

A. In the department and collegiate unit offering the course in which the student is enrolled.

GENERAL APPEAL PROCEDURES FOR ACADEMIC MATTERS

The following policy was approved by the University of Nebraska Graduate College's Executive Graduate Council on April 24, 1975. It applies to academic matters, other than those associated with class attendance.

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

1. Initially, the appeal should be submitted to the student's advisor.

2. If denied, the appeal should be submitted to the Departmental or Interdepartmental Area Graduate Committee administratively responsible for the student's graduate program.

3. If denied, an appeal may be made to the graduate council for the campus administratively responsible for the student's graduate program. Normally, the appeal shall be in writing. If no body is available, the final appeal shall be to the student's supervisory committee.

4. If denied, an appeal may be made to the Departmental or Interdepartmental Area Graduate Committee administratively responsible for the student's graduate program.

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

1. Initially, the appeal should be submitted to the student's advisor.

2. If denied, the appeal should be submitted to the student's supervisory committee.

3. If denied, the appeal may be submitted to the Departmental or Interdepartmental Area Graduate Committee administratively responsible for the student's graduate program.
DROPPING AND AUDITING COURSES

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

A student wishing to audit a course must secure the permission of the adviser, must register for the course to audit, and must secure the approval of the instructor of the course whose prerogative it will be to determine privileges including examinations connected with the course. An audit 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 two semester credit hours.

TRANSFER OF CREDIT

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

Courses numbered 800X, 800U and 900 are open to graduate students only. Some courses numbered 800-899 will do work of a higher level than undergraduates. Typically, such differentiation might include depth studies, field studies, individualized research, and special interest projects.

COURSES FOR GRADUATE CREDIT

A minimum of 30 semester credit hours in residence (36 in case of the Master of Science, Master of Public Administration, and the Master of Business Administration degree), 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.

RESIDENCE REQUIREMENTS

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.

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

Courses for which transfer is requested must not have been used to satisfy the requirements for any previously awarded degree. Graded 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. No transfer credit can be made until the student has been admitted to candidacy for the degree to which the credit may be applied. A completed application for transfer of course credit registration must be made within the six-year period allowed for the Master's degree.

In the Educational Specialist degree, six semester hours of work beyond the Master's level may count as transfer credit, upon recommendation by the major adviser 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 College for transfer to UNO should secure the Interuniversity Registration form from the Graduate Office. Transfer of graduate credits from all schools in the University system will be accepted to the extent approved by the student's committee with at least one-half of the minimum degree requirements to be taken at the UNL, or UNO campus, whichever is to grant the degree. Only grades of "B" or better may be transferred from other schools in the University System to apply toward degree requirements here.

TRANSFER OF CREDIT (Cont.)

The application fee is payable at the time the application for admission form is filed. This fee is non-refundable and does not apply toward tuition or any other fee. Residence for the purpose of assessing tuition is determined by the status of the applicant at the time the application for admission is filed.

| Resident of Nebraska | $210.00 |
| Non-resident         | $225.00 |

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

Tuition:

| Per Semester Credit Hour, Undergraduate or Graduate | $21.00 |
| Resident of Nebraska (see residence status)          | $21.00 |
| Non-Resident                                         | $57.00 |

Audit Fee:

The Audit (not for credit) fee is set at one-half of the Resident tuition rate. Registration for audit requires the permission of the major adviser for the degree and work accepted for transfer of credits. The audit course may be taken for the credit registration ends. Students who register to take a course for credit and who later change to audit registration will be charged the difference between the credit and non-resident tuition rates.

Orientation Fee (Undergraduate): Payable upon enrollment by all new and transfer undergraduate students: $10.00.

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 students who are music majors or minors.)

One semester credit hour: $55.00

Two semester credit hours: $75.00

UNIVERSITY OF NEBRASKA AT OMAHA
The document provides information about fees, deposits, and policies related to university programs and facilities.

### University Program and Facilities Fee (UPFF)

Deposit:
- Conference non-credit and off-campus contract course fees are determined for each offering and submitted to the University Chancellor. After his approval, the funds are distributed according to an annual budget developed by the President and the Board of Regents.

- Part-time students may obtain a regular student activity card covering athletics, publications, and general student activities. Part-time students may obtain a regular student activity card by paying the full-time fee of $36.00.

### Special Service Fees:

- Continuing Education Studies - Professional Studies - Development Degree Program
  - Initial application: $25.00
  - Attainment of 300 credit units (additional): $50.00
  - Attainment of 600 credit units (additional): $75.00
  - Attainment of 900 credit units (additional): $100.00
  - Attainment of 1200 credit units (additional): $150.00
  - Transcripts of Academic Record per copy: $1.00
  - Thesis Binding per copy: $4.00
  - Cap and Gown Rental (to be arranged through the Bookstore)
  - American College Testing (ACT), Residual: $11.50

- Credentials Fee
  - Late Registration: $5.00
  - Replacement of ID Activity Card: $25.00

- Bad Check per check: $1.00

- Late Payment of Tuition Billing: $10.00

- Locker and Travel Deposit: Refundable

- Dishonored checks given in the name of the student and returned to the University's financial office by the date for late registration, otherwise the late registration fee will be assessed.

### Teacher Placement Fees:

- Registration Fee: $10.00

- Tuition and fees on a deferred basis and upon written approval from the Director of Admissions.

- Approval for teacher certification.

### Refunds and Charges:

#### Regular Semester Percent Refunded

<table>
<thead>
<tr>
<th>Period of Drop/Withdrawal</th>
<th>Before first official day of semester</th>
<th>First week of classes</th>
<th>Second week of classes</th>
<th>First three days or classes</th>
<th>Remainder of first week</th>
<th>Second week of classes</th>
<th>Third week of classes</th>
<th>Fourth week of classes</th>
<th>Remainder of third week</th>
<th>Fifth week of classes</th>
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<tr>
<td>Refunded Chargeable</td>
<td>100%</td>
<td>100%</td>
<td>75%</td>
<td>50%</td>
<td>25%</td>
<td>100%</td>
<td>75%</td>
<td>50%</td>
<td>25%</td>
<td>0%</td>
</tr>
<tr>
<td>Summer Sessions (5 and 6 Week)</td>
<td>100%</td>
<td>100%</td>
<td>50%</td>
<td>25%</td>
<td>100%</td>
<td>75%</td>
<td>50%</td>
<td>25%</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Summer Session and Special Contract (7 and 8 Week)</td>
<td>100%</td>
<td>100%</td>
<td>50%</td>
<td>25%</td>
<td>100%</td>
<td>75%</td>
<td>50%</td>
<td>25%</td>
<td>0%</td>
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</tr>
</tbody>
</table>

### RESIDENT STUDENTS

A student's right to classification as a resident for purpose of registration in a graduate program is based on the student's date of registration and the student's date of graduation. A resident student pays tuition and fees on a deferred basis and upon written approval from the Director of Admissions.

### FINANCIAL AID FOR GRADUATE STUDENTS

Available for qualified students who are enrolled in a graduate degree program and who are recommended by the University's financial aid committee. The assistant's assignment is based on the student's financial need and is subject to the University's financial aid policy.

### GRADUATE ASSISTANTSHIPS

Provided for qualified students who are enrolled in a graduate degree program and who are recommended by the University's financial aid committee. The assistant's assignment is based on the student's financial need and is subject to the University's financial aid policy.

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hours of work per week is required. The enrollment of students with assistantships will be limited to no more than twelve credit hours per semester unless the student has demonstrated extraordinary efficiency in performing assistantship duties.

Graduate assistantships are not intended for students who wish to earn money for self-support. A Graduate Assistantship may be taken for graduate credit. The Dean for Graduate Studies and Research will determine the number of hours which may be attributed to any graduate student who holds a Graduate Assistantship. The number of hours for which a student may register 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. Tuition waivers are often available to graduate 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.

SCHOLARSHIPS

Phi Delta Gamma, a national fraternity for women, offers two annual scholarships of $350 each, to women graduate students who have completed approximately one half of their graduate work and who can demonstrate exceptional promise in their field of study. The application procedures for these scholarships are available from the Dean for Graduate Studies and Research.

GRADUATE FACULTY

Responsibilities

The Graduate Faculty prescribes the qualifications of all professors who offer graduate work and approves all courses of instruction. Graduate Faculty Members may teach graduate courses, supervise students enrolled in doctoral programs, serve on the final examining committees for these students, and vote on any matters presented to the Executive Graduate Council. Graduate Faculty Members may also teach graduate courses, supervise students enrolled in PhD programs, serve on the final examining committees for these students, and vote on any matters presented to the Executive Graduate Council.

CRITERIA

The following requirements for the nomination of Graduate Faculty Members were adopted by the Executive Graduate Council to establish reasonable consistent standards for faculty members eligible for appointment to supervisory doctoral student placements.

1. The nominee must hold the rank of Assistant Professor or above.
2. The nominee must have published research and scholarly work of quality, or have demonstrated extraordinary promise in their field of study.
3. The nominee must have demonstrated clear evidence of scholarly activity and potential beyond teaching. This evidence must be provided by the nominator.

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The following requirements for the nomination of Graduate Faculty Members were adopted by the Executive Graduate Council to establish reasonable consistent standards for faculty members eligible for appointment to supervisory doctoral student placements.

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2. The nominee must have published research and scholarly work of quality, or have demonstrated extraordinary promise in their field of study.
3. 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 recommend allocation of the available funds for research toward these ends, (3) and to encourage solicitation of monies for research. Requests for various research activities will be solicited, evaluated, and recommended for approval or disapproval in keeping with the objectives of the Committee's area of responsibility and concern.

EXTRAMURAL GRANTS

Through the Deans 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.

GRADUATE PROGRAM COMMITTEES

Each department (or area) offering a graduate degree has a Graduate Program Committee of at least three members. This committee and its chairperson are recommended annually by the graduate faculty members of the department for appointment by the Dean for Graduate Studies and Research. In its department the Graduate Program Committee has the responsibility for the planning of the graduate program, the general supervising of the candidates for graduate degrees and the examining of students by means such as the qualifying examination and the final comprehensive examination when these examinations are not given by a student's thesis or field project supervisory committee.

Each new graduate student, in conference with the chairperson of the Graduate Program Committee of the major department, shall select a major adviser. For the student who has a supervisory or advisory committee, the composition of the committee shall be recommended to the Dean for Graduate Studies and Research by the chairperson of the student's Graduate Program Committee after consultation with the student 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 will, when ever 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 ex officio (without vote) as consultants (or to gain experiences as special representatives of the Dean for Graduate Studies and Research. The Graduate Program Committees at UNO represent both the Graduate Faculty and the student's field of study. The word program denotes all kinds of academic requirements which must be satisfied by the graduate student in order to qualify for a particular degree (or in the case of a non-degree student — the requirements of graduate-level certification or recognized stages of professional development). Every degree candidate's plan of study must be designed to satisfy the requirements of a program which has been approved by the Graduate Faculty. Both major and minor requirements, together with quality-of-work standards, are included under programs; also included are transfer credits and those electives which are not major or minor courses.

Faculty members involved in graduate education, and in research (or any kind of further faculty development involving graduate students), should have ample opportunity to participate in decisions affecting these responsibilities. Provisions for appropriate participation by graduate students is equally important.

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 practitioner-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.

Master of Arts

It is anticipated that initially every student will become a candidate for this degree. Only under appropriate circumstances will a student be allowed to become a candidate for the Master of Science degree.

To complete the Master of Arts degree with a major in biology the candidate must present 30 hours of graduate work in biology to include credit in thesis (a maximum of 6 hours), a minimum of 2 hours in seminar, and at least 22 hours of appropriate courses to be determined by the student and the faculty committee. Students may conduct thesis research in animal behavior, animal physiology, cellular physiology, bacteriology, ecology, embryology, entomology, fresh water biology, histology, ichthyology, invertebrate zoology, myology, mythology, parasitology, plant anatomy, plant systematics, plant morphology, plant physiology, protozoology, vertebrate systematics, herpetology, vertebrate reproductive biology, and vertebrate anatomy.

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 faculty committee.

To complete the degree the candidate must present 36 hours of graduate work in biology to include at least 2 semesters of Biology 801V, 1 semester of Biology 802V, and other appropriate courses to be determined by the student and his faculty committee.

The candidate must pass a final written comprehensive examination.

BIOLOGY

BUSINESS ADMINISTRATION

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 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 graduate program:

- College Algebra
- Economics
- Accounting
- Computers in Business
- Quantitative Methods

Master of Public Administration - Environmental Option

The Biology Department cooperates with the Department of Public Administration in offering this degree. The degree is administered through Public Administration and is described under that department.
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 880V may be successfully completed with a grade of A or B in the student's last nine hours of the degree program.

### Option #2 - Marketing

- **BA 840V** Marketing Policies 3 hours
- **BA 841V** Account Marketing Policies 3 hours
- **BA 842V** Seminar in Marketing 3 hours

### Option #3 - Decision Sciences

- **BA 852V** Research Methods in Economics and Business 3 hours
- **BA 853V** Business Information Systems 3 hours
- **BA 854V** Applied Quantitative Analysis 3 hours

### Option #4 - Real Estate

- **BA 860** Real Estate and Land Use 3 hours
- **BA 861** Current Problems in Real Estate and Land Use Economics 3 hours
- **BA 862** Seminar in Accounting 3 hours

### Option #5 - Accounting

- **BA 831V** Accounting Theory (not taken as a core course) 3 hours
- **BA 832V** Accounting Analysis 3 hours

### Option #6 - Economics

- **BA 805V** Business Conditions Analysis 3 hours

### Option #7 - Management

- **BA 835V** Seminar in Money and Banking 3 hours
- **BA 836V** Seminar in Urban Economics 3 hours

### Option #8 - Industrial Psychology

- **BA 885V** Financial Management 3 hours

### Option #9 - Inventory Control

- **BA 845V** Economics of Money and Banking 3 hours
- **BA 846V** Seminar in Money and Banking 3 hours

### Option #10 - Individually Designed Program

- **BA 890V** Independent Research (in Finance) 3 hours

### Course Requirements

- **Minimum**: 36 semester hours
- **Maximum**: 60 semester hours
- **3.0**: To earn the degree

### Course Policies

- Course substitutions are subject to approval by the Director of Graduate Studies and may be replaced as listed.
- A thesis is required in one option (Real Estate) and may be elected in others.
- No comprehensive examinations are required. Instead, the integrative course BA 880V may be successfully completed with a grade of A or B in the student's last nine hours of the degree program.
- A thesis is required in one option (Real Estate) and may be elected in others. No comprehensive examinations are required. Instead, the integrative course BA 880V may be successfully completed with a grade of A or B in the student's last nine hours of the degree program.

### Course Requirements

- **Minimum**: 36 semester hours
- **Maximum**: 60 semester hours
- **3.0**: To earn the degree

### Course Policies

- Course substitutions are subject to approval by the Director of Graduate Studies and may be replaced as listed.
- A thesis is required in one option (Real Estate) and may be elected in others. No comprehensive examinations are required. Instead, the integrative course BA 880V may be successfully completed with a grade of A or B in the student's last nine hours of the degree program.
Courses in the program give students a better understanding of the basic principles and methodology used in the discipline 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 Omaha and Lincoln, and will be administered by the Graduate College, UN-L. Requirements for the Master's Degree will be as stated in the Graduate Studies Bulletin of the University of Nebraska-Lincoln. Upon admission by the Graduate College, UN-L, student records will be maintained on the campus at which the major portion of the graduate courses will be taken. Normally the faculty advisor will also be on that campus.

Graduate Committee. The Civil Engineering Department has a Graduate Committee of six faculty, selected from the Omaha and Lincoln campus, appointed by the Department Chairperson and approved by the Graduate Dean, UN-L. The Graduate Committee has general supervision over the work of the candidates for the Master's degree. The committee may prescribe any necessary rules to determine whether an applicant is adequately prepared for graduate study. After all application materials are received by the Graduate College, UN-L, the chairperson of the committee will be asked to make a recommendation, after consultation with the committee, on admission to the Graduate College.

Admission to Candidacy
Options for the Master's Degree
Graduate Work. Graduate work in Civil Engineering is governed by the general requirements of the Graduate College. Selection of the option and program are subject to approval of the student's advisor and the departmental Graduate Committee.

A student applying for admission should designate the primary area in which he wishes to study. Major work for the Master of Science degree may be selected from the areas of structural, geotechnical, transportation, hydraulic, sanitary and water resources engineering. A minor area may be designated from one of the related Civil Engineering areas, or from other related departments. Other supporting courses will be selected from advanced or graduate courses having some relation to the major group.

COMMUNICATION

Master of Arts

In order to be admitted without deficiencies to graduate study in Communication, the applicant must present at least 15 undergraduate semester hours of appropriate courses in communication arts and sciences, including advanced (upper division) work in the area of graduate concentration. Applicants who have more than 9 semester hours of deficiencies will be advised to remove them before reapplying for any type of admission.

All students who major in Communication are required to complete the 12 semester hours of core courses prescribed by the Graduate Program Committee. These core courses provide a basic, intensive and broad coverage of communication as a field of advanced study, including foundations of both mass and transactional communication in conjunction with research and theory. Currently the core courses are Communication 801V, 801V-801M, 804V, and a theory or research seminar, above the 800M level, which may be in the student's area of concentration.

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

Thesis option: Successful completion of 24 semester hours of course work, at least 12 hours of which must be in courses open only to graduate students; plus a thesis (6 credit hours) based on a proposal approved by the student's committee. The completed thesis is defended orally before the committee, and the committee conducts an oral comprehensive examination covering the student's field(s) of study (unless the written comprehensive examination was finished and passed).

Non-thesis option: Successful completion of 36 semester hours of course work, at least 18 hours of which must be in courses open only to graduate students. At least half of the 36 hours must be in the student's area of concentration. In lieu of a thesis, an independent research or creative project, based on a proposal approved by the committee, and the student's committee, may be formulated in writing, video, or film; plus a non-thesis comprehensive examination covering the student's major emphasis and minor or area studies, judged by a faculty committee.

COUNSELING AND GUIDANCE

Master of Arts

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

Specialization in Agency Counseling

Specialization in School Counseling

Specialization in Mental Health Counseling

Specialization in Community Counseling

Specialization in Guidance and Counseling Leadership

Specialization in Vocational Guidance Counseling

Specialization in School Counseling — Secondary Level

Specialization in School Counseling — Elementary Level

Students may begin a program of studies in Counseling and Guidance at any one of three starting times during the calendar year. Once a program is begun, students are expected to pursue their pro-

quence of course work, whether full or part-time, and must consult their advisor to determine this se-

quence. Failure to do so could possibly result in a delayed completion date.

Students obtain a Master's degree in Counseling and Guidance with an area of specialization. Curr

ent areas of specialization include Elementary School Counseling, Secondary School Counseling (both of which require current teaching certificates for endorsement as a Counselor in Nebraska or Iowa), Agency Counseling, Guidance and Personnel Services, and Counseling in Gerontology.

Required courses are determined in relation to the student's previous coursework, experience and anticipated work setting. Most programs however would fit within one of the general outlines given below.

Students are admitted and permitted to continue programs in Counseling and Guidance at any time and the potential for successful training and professional practice.

Major points where students are evaluated with respect to their suitability for continuation in the program are: 1) initial admissions examination; and general requirements of the Graduate Program Committee and the departmental Graduate Committee. 3) prior to taking the Counseling Practicum or Internship courses. Successful completion of a Counseling Practicum or Internship is a requirement for graduation.

The Counseling and Guidance Department has admissions requirements and procedures in addition to those applicable to Graduate Studies as a whole, and prospective students are strongly encouraged to contact the Department regarding these admissions requirements and procedures. One such exception from the general Graduate Studies procedures are the different admissions deadlines for Counseling and Guidance.

The last date for filing admissions credentials for admission to the Department of Counseling and Guidance is April 23 for either Summer Session and the Fall Semester of 1979, and November 30 for the Spring Semester 1980. Students are admitted to the program for the year.

Student's major emphasis is expected to pursue the program at a different time from those indicated, they may discuss this with faculty in the department.
The Criminal Justice Department offers the student a choice of either a Master of Science or a Master of Arts degree in Criminal Justice. Both degree programs emphasize criminal justice research, planning, and administration.

**Criminal Justice**

**Degree Programs**

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

**Admission Requirements for the Criminal Justice Graduate Program**

All candidates must have a minimum of 18 semester hours of Criminal Justice or related coursework which represent the senior 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.

**Master of Arts**

The Master of Arts degree is a 36 credit-hour non-thesis program designed to emphasize research, planning, and administration, while simultaneously providing fundamental course work. This degree program offers the student a choice of either the standard Master of Science curriculum or a Master of Science with an option in Public Administration. The Public Administration option is especially recommended for administrators or future administrators within the Criminal Justice System.

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

- **Required Core Courses**

  - 9 hrs.
  - 6 hrs.
  - 6 hrs.
  - 6 hrs.
  - 6 hrs.
  - 6 hrs.

- **Elective Courses**

  - 12 hrs.

- **Completion of and Successful Defense of Thesis**

  - 6 hrs.

**Master of Science**

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

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

- **Required Core Courses**

  - 9 hrs.

- **Elective Courses**

  - 12 hrs.

- **Completion of and Successful Defense of Thesis**

  - 6 hrs.

**Public Administration Option**

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

- **Required Core Courses**

  - 9 hrs.

- **Elective Courses**

  - 12 hrs.

- **Completion of and Successful Defense of Thesis**

  - 6 hrs.

**Satisfactory completion of the comprehensive examination is also required.**
DRAMATIC ARTS

Master of Arts

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

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

Option 1: Successful completion of 24 semester hours of course work including at least 12 hours in V-level courses, plus a thesis (6 credit hours) based on a proposal approved by the student's committee and defended orally when completed before the committee.

Option 2: Successful completion of 33 semester hours of course work including at least 12 hours in V-level courses; plus a final project (3 credit hours) in playwriting, directing, acting, scenic design, costume design, or lighting design which will be orally defended upon completion.

ECONOMICS

Master of Arts

An applicant for admission to the program for the Master of Arts degree with a major in Economics must have the equivalent of 15 undergraduate semester hours in Economics.

Degree Requirements: The course program consists of 30 hours, including thesis, must be courses numbered at the 800-level or above. Students must also satisfactorily complete Economics 820V, 822V, and 829V.

The coursework under the Master of Arts program consists of 24 hours and 6 hours of thesis under course 899, Thesis.

Master of Science

An applicant for admission to the program for the Master of Science degree with a major in economics must have the equivalent of 15 undergraduate semester hours in economics.

Degree Requirements: The course program must include a balanced coverage of the major areas in economics. At least 18 hours of the required 36 hours must be approved at the 800-level or above. Students must also satisfactorily complete Economics 820V, 822V, and 829V.

There are two basic options for students seeking a Master of Science. Option I consists of a total of 36 hours of course work. Option II, a student takes 30 semester hours of course work and writes two research papers on topics approved by the Graduate Study Committee, each paper worth three semester hours. This is also a degree where masters K-12 grades may concentrate on research concerning economic education in the schools.

ECONOMICS

Master of Science

An applicant for admission to the program for the Master of Science degree in educational administration and supervision must hold a Bachelor's degree from an accredited institution and be certified at either the basic or the 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 not more than 12 semester hours.

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 certified either in English or in 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 not more than 12 semester hours.

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

Specialist in Education

An applicant for admission to the Specialist in Education degree in the department of Educational Administration and Supervision must hold a Master's degree and present acceptable evidence of having served as a certified school administrator or supervisor. These programs of study are designed to best harmonize the student's needs and ambitions. Articulated with the Master's Degree, the total program must accumulate to not less than 66 graduate semester hours. The program is carried out un-
FED 811V, Conflict and Controversy in Urban Education .................. 3 Hours
FED 811V, Education and Society ............................................. 3 Hours
FED 811V, Field Research ....................................................... 3 Hours
FED 811M, Mental Health .......................................................... 3 Hours
FED 831V, Anthropology and Urban Education ................................. 3 Hours
FED 831V, Feminism and Education ........................................... 3 Hours
FED 894M, Growth and Learning Problems of the Disadvantaged ......... 3 Hours

Secondary Electives (Minimum of 9 Hours)**

ECON 811M, Government and Labor ........................................... 3 Hours
ECON 811M, Collective Bargaining ........................................... 3 Hours
ECON 850V, Economic Education ............................................. 3 Hours
ECON 860V, Economic Education II ......................................... 3 Hours
ECON 860V, Independent Study in Urbanism ................................ 3 Hours
ECON 860V, Interdisciplinary Seminar on Urban Community .......... 3 Hours
ECON 860V, Seminar in Urban Economics .................................. 3 Hours
COUN 860M, Guidance Skills for Secondary Teachers ...................... 3 Hours
COUN 861M, Group Evaluation Techniques ................................ 3 Hours
COUN 862M, Community Involvement for Urban Counselors ........... 3 Hours
COUN 863M, Guidance Services for the Disadvantaged Youth ........... 3 Hours
GEOG 812M, Urban Geography ................................................ 3 Hours
GEOG 812M, Urbanism ............................................................ 3 Hours
GEOG 821V, Cultural Geography ............................................. 3 Hours
HIST 812M, American Social and Intellectual History since 1865 .... 3 Hours
HIST 827M, 20th Century America, 1933 .................................. 3 Hours
HIST 828M, 20th Century America, 1953 ................................. 3 Hours
HIST 844M, American Urban History Since 1870 ......................... 3 Hours
POSCI 812M, Public Opinion and Political Behavior .................... 3 Hours
PSY 856V, Learning in Children .............................................. 3 Hours
PSY 859V, Social and Personality Development ........................... 3 Hours
PSY 859V, Test and Measurements .......................................... 3 Hours
SW 822M, Human Behavior and the Social Environment I .............. 4 Hours
SW 822M, Physical Components of Social Functioning ................. 2 Hours
SW 827M, Public Welfare Organization .................................... 3 Hours
SW 961M, Public Welfare Social Policy .................................... 2 Hours
SOC 801M, Social Control of Behavior ..................................... 3 Hours
SOC 822M, Collective and Exchange Behavior ............................. 3 Hours
SOC 822M, Advanced General Sociology .................................. 3 Hours
SOC 822M, The Community ..................................................... 3 Hours
SOC 823M, Sociology of Deviant Behavior .................................. 3 Hours
SOC 824M, Urban Society ......................................................... 3 Hours
SOC 825M, Seminar in Cross-Cultural Communication (also 825M Speech) .......................................................... 3 Hours
SOC 826M, Complex Social Organizations ................................ 3 Hours
SOC 827M, Social Change ........................................................ 3 Hours
SOC 880M, Independent Study in Urbanism ................................. 3 Hours

Business Administration
BA 801V, Business and Society ............................................... 3 Hours
BA 831V, Business Behavior in Organization ................................. 3 Hours

Graduate Certificates:
CE 885M, Urban Systems ......................................................... 3 Hours
GEOR 810M, Education Gerontology ....................................... 3 Hours
JOUR 823M, Public Relations .................................................... 3 Hours
JOUR 850M, Mass Communications and Public Opinion ............... 3 Hours
US 801V, The Metropolitan As a Public Enemy ............................. 3 Hours
US 802V, Race Ethnicity, and American Urban Culture ................. 3 Hours

**Other courses may be substituted with approval of Urban Committee

UNIVERSITY OF NEBRASKA AT OMAHA

ECONOMICS

PROGRAMS IN ECONOMICS

Admission to the Program
1. An applicant must hold a valid elementary school teaching certificate.
2. Unconditional admission is granted if/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 Economics) must be taken before second registration. An acceptable score must be earned.

Candidacy for the Degree
1. A plan of study and admission to candidacy are completed in consultation with the student's major advisor approved by the Department and Graduate Office.
2. A written comprehensive examination is required during the semester in which a student completes 9 credit hours, the examination must be made to the Director of Graduate Studies by each individual student's program.

Degree Programs
1. Required Courses ................................................................. 21 Hours
   FED 810V, Introduction to Research ....................................... 3 Hours
   FED 810V, History and Philosophy of Education ....................... 3 Hours
   EED 810V, Diagnostic and Corrective Instruction ..................... 3 Hours
   EED 810V, Innovations and Trends in Elementary Education ........ 3 Hours
   EED 810V, Introduction to Curriculum Planning — Elementary ... 3 Hours
   EED 810V, Seminar in Elementary Education ......................... 3 Hours

   Area of Concentration .......................................................... 9 Hours
   a. Concentration in Elementary Education ............................ 9 Hours

   Each student will include in his/her Plan of Study, three areas of concentration in a special field to conform with the student's departmental advisor.

   Possible choices include: Reading, Early Childhood Education, Guidance, Improvement of Instruction, and/or an academic concentration, e.g., history, psychology, mathematics.

   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 advisor will confer with them in planning such courses.
UNIVERSITY OF NEBRASKA AT OMAHA

800V- or 900-level courses; plus a written examination prepared and judged by a faculty committee.

The following English seminars in major periods vary in emphasis and may be repeated for credit:


NOTE: The individual department offers a Certificate in Teaching English as a Second Language, which can be awarded concurrently with a Master's degree in English to students who have met the following requirements:

1. Completion of the following four courses:
   a. ENG 858M, Introduction to Linguistics
   b. ENG 878M, Structure of English
   c. ENG 896M, Seminar: Linguistics (Applied Linguistics)
   d. ENG 896M, Seminar: Linguistics (Teaching English as a Second Language)

2. Demonstrated oral and written competence in a second language as certified by the Department of Foreign Languages.

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

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 will be directed by a Graduate Science Committee consisting of representatives (recommended by their respective graduate faculties and approved by the Dean for Graduate Studies and Research) of biology, chemical, geology-physical geography, and physics. 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 an advisor who will be responsible for the candidate's curriculum and thesis in accordance with the policies established by the Graduate Science Committee and the Graduate Council.

Prerequisites: An applicant for admission to the graduate program must present an undergraduate degree. In addition, eight semester hours of credit must be presented in each of the four natural science areas. The department offers the following degrees with a major in geography: the Master of Arts degree and the Master of Science degree.

PREREQUISITES: An applicant for admission to the graduate program must present a minimum of 15 semester hours in geography courses and the Master of Science 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. Students must complete a minimum of thirty (30) semester hours of approved coursework and, in addition, submit a thesis, credit for which will be awarded to a maximum of six (6) semester hours. Courses leading to the degree will be distributed across the natural science areas according to the needs of the student, with a maximum of twenty (20) semester hours (not including thesis) allowed 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 requirement.

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.

Option I should be chosen by those preparing for careers in research and scholarly work, or in college or university teaching. The option requires a minimum of twenty-four semester hours in geography courses numbered 800V-899V and 900, and thesis 1-6 hours for a combined total of thirty (30) semester hours. Option II may be chosen upon the advice and with the approval of the major advisor. This option requires a minimum of thirty (30) semester hours in geography courses numbered 800V-899V, or selected cognate courses in other departments. No thesis is required for this option. Students who have completed the degree under Option I and later elect to continue 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 in geography must present as a prerequisite a minimum of 15 undergraduate semester hours of geography including Physical (106 or 107 or 117) and Cartography (335) or the equivalent. Those students who do not meet these requirements must make up the deficiency during their first year of graduate coursework and personal interviews. This should enable each student and his advisor to construct a program.

Basic courses required for either an M.A. or M.S. degree include Geography Concepts, History, and Geography IV. In addition, all students will be required to attend General Seminars. The remainder of the requirements will be determined by the major advisor.

GERONTOLOGY

While UNO does not offer a graduate degree in Gerontology, a Specialization in Gerontology is upon completion of requirements for the Specialization that will be awarded for students majoring in many of the social and behavioral sciences at the graduate level.

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

2. Coursework requirements consist of a minimum of 15 semester hours in Gerontology. The other 12 hours (usually four graduate level courses) in Gerontology are selected by the student in consultation with the Academic Coordinator of the Gerontology Program. In this manner, goals and interests of each student are met.

3. A one semester full-time practicum or its equivalent is also required. The goal of this is to give students the opportunity to observe the elderly. Practicum students must register for GERO 894M-Practicum. This practicum is an example of what one program of study might look like:

Example of a program of study

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

GERO 811M-Graduate Social Gerontology (3 semester hours)
GERO 819M-Counseling in Gerontology (3 semester hours)
GERO 820M-Counseling in Gerontology (3 semester hours)
GERO 821M-Practicum in Gerontology (3 semester hours)
GERO 828V-Primary Care for Older Adults (3 semester hours)
GERO 830M-Practicum in Gerontology (3 semester hours)
GERO 831M-Counseling the Elderly (3 semester hours)
GERO 832M-Practicum in Gerontology (3 semester hours)
GERO 833M-Practicum in Gerontology (3 semester hours)

HEALTH, PHYSICAL EDUCATION, AND RECREATION

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

Master of Science in Physical Education

Major in Physical Education

To be admitted to this degree program, students must possess an undergraduate major or minor in physical education who will select course work from the four areas indicated below. Maximum and minimum hours must be indicated from each area are indicated where such limits are applicable. The

<table>
<thead>
<tr>
<th>AREA</th>
<th>HOURS</th>
</tr>
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<tbody>
<tr>
<td>PE Core</td>
<td>Min</td>
</tr>
<tr>
<td>PE 827V Problems and Issues in Physical Education</td>
<td>12</td>
</tr>
<tr>
<td>PE 828V Curriculum in Physical Education</td>
<td></td>
</tr>
<tr>
<td>PE 850V Motor Learning and Performance</td>
<td></td>
</tr>
</tbody>
</table>
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 six (6) 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 give proof of research ability and proficiency in writing. This normally will be done in research seminars and independent research projects.

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

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

5. When the student initially enrolls, he shall, in conference with the chairperson of the Graduate Program Committee of the Department of History, choose his advisor. The chairperson of the History Graduate Program Committee shall, after consultation with the student and his advisor, recommend an advisory committee to the Dean for Graduate Studies and Research for official appointment. The advisory committee shall be composed of members of the Faculty appropriate to the student's program and academic interests. The chairperson of the advisory committee (and the representative of the minor field, if such field is selected) must be members of the Graduate Faculty.

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

1. Early in the semester the candidate expects to take the degree, he/she must make arrangements with his/her sponsor to take the comprehensive written examination.

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

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

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

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

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

4. The 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 each portion of 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 conferment of the degree.

HOME ECONOMICS

Home Economics graduate offerings at UNO 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 designated 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 baccalaureate degree from an accredited institution. Departments within the college may set specific course deficiencies.
Admission Requirements: Admission to a degree program is based on evidence of mathematical ability. An applicant is usually expected to have completed four years of postsecondary mathematics beyond calculus, and to have an overall average of B or better during the last two undergraduate years. In some cases where the above criteria are met, a provisional admission may be granted provided the applicant is willing to take some preliminary coursework that will not apply towards the degree.

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

- A. Earn a total of 36 acceptable credits, at least 24 of which must be in mathematics.
- B. Choose mathematics courses which carry a number of 800M or above and at least 18 credit hours which carry a number of 800 or above.
- C. Include mathematics courses 811M-812M, 823M-824M, and 821M if he has not had the equivalent as an undergraduate.
- D. Maintain a "B" average in all of his work with no grade lower than a "C," and no more than two grades of "C".
- E. Pass a written comprehensive examination.

Admission Requirements for Masters of Arts

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

- A. Earn a total of 30 credits in mathematics.
- B. Complete a thesis not to exceed 6 semester hours, which may be applied toward the 30-hour total.
- C. Complete the requirements of b, c, d, and e above.

Admission Requirements for Master of Arts

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

- A. Earn a total of 30 credits, of which 24 must be in mathematics.
- B. Include in his program mathematics courses 801T, 802T, 803T, 804T, 823M-870J (Courses 823M-870J may be waived if the equivalent undergraduate courses have been completed).
- C. Include in his program secondary education courses 805W, 830V, 830V, 880M, 846V, or 934V.
- D. As listed under the Master of Science above.
- E. As listed under the Master of Science above.

POLITICAL SCIENCE

An applicant for admission to the Master of Arts or Master of Science degree program in Political Science must present as a prerequisite a minimum of fifteen undergraduate semester hours in Political Science or their equivalent as determined by the department. The department requires two letters of recommendation from persons who are in a position to evaluate the applicant's potential to pursue graduate studies.

Master of Arts

Degree Requirements: The course program must include twelve hours of the required thirty hours planned in conference with the student's academic advisor to meet individual interests and needs.

Master of Science

Degree Requirements: For the Master of Science with a major in Political Science, eighteen hours of the required thirty-six hours must be at the 8000 level exclusive of thesis hours.

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, Verbal, Quantitative, and Advanced Psychology sections. Letters of recommendation are not required and not clearly communicated in other documents are encouraged to have one or more letters submitted by departmental graduate assistantship or are applying to a post-masters program. Exceptions to these admission requirements can be made on an individual basis.

Master of Arts

To complete the M.A. degree in psychology, the student must present 30 hours of graduate course work in psychology, or 21 hours in psychology plus 9 hours in a related minor field. The student must choose one course from each of the following four groups. These courses must be completed within the first 16 hours of graduate work.

- A. Psychology 90X (Proseminar in Learning)
- B. Psychology 956 (Proseminar in Development)
- C. Psychology 921 (Proseminar in Perception)
- D. Psychology 923 (Proseminar in Physiological Psychology)
- E. Psychology 910 (Proseminar in Analysis of Variance)
- F. Psychology 911 (Proseminar in Factor Analysis)
- G. Psychology 943 (Proseminar in Personality)
- H. Psychology 944 (Proseminar in Social Psychology)

The student must earn a grade of at least B in the four required prosemaries. If a C is earned, or a may be taken. Should two such grades (C and/or W) be recorded, the student will be dropped from the University of Nebraska at Omaha.
The remainder of the student's course work is elective, but must be planned in conference with the academic adviser, in order to meet the individual needs and interests. Psychology course intended to familiarize the beginning graduate student with the profession of psychology is required of all graduate students in psychology. The student may emphasize one of the following areas: quantitative, physiological, general, experimental, social, personality, educational, and industrial/organizational psychology. Final determination of a student's plan of study always resides with the adviser and the department. To meet the graduate college requirements, a student must take at least half of the work in courses which are open only to graduate students.

Master of Science

To complete the M.S. with a major in industrial/organizational psychology or the M.S. with a major in educational psychology, the student must take at least half of the work in courses which are open only to graduate students. The M.S. degree requires completion of sixty-six 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 additional degree candidate must write and defend a thesis which deals with research or supervised experience in the area of school psychology.

Doctor of Philosophy

Through a cooperative program with the University of Nebraska-Lincoln, programs are offered in Omaha leading to the Ph.D. in industrial/organizational, experimental, child, and developmental 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 skills. There is no generally specified language or research skill requirement, but each student is expected to demonstrate proficiency in languages, research skills, or knowledge in collateral research areas appropriate for the student's research or supervised experience in the area of school psychology.

Summary of Procedure for the Doctor of Philosophy Degree

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

Specialist in Education

The Ed.S. degree requires completion of sixty-six 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 additional degree candidate must write and defend a thesis which deals with research or supervised experience in the area of school psychology.
The student's transcript is to be approved by the School Psychology Committee prior to institution. 

Psychological Assistant

Applications who are pursuing toward endorsement in Nebraska as a Psychological Assistant must simultaneously complete requirements for the M.A. or M.S. Those seeking such endorsement must complete course work in Psychology 835M (45), 853M, 860M, and 890V. Also, one of the following is required: Psychology 835M (4939), 853M (455), or SPEED 860M (460). The student must also have had course work in both learning and developmental psychology.

Recommendation for Certification

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

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 published 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 - national, state, or local; (2) for those already in the public service who are seeking promotion to higher positions; (3) for research or teaching in this field.

Administrators are required for a wide variety of governmental programs and students in the M.P.A. program will come from widely differing backgrounds. Some will have had experience in public employment while others may have duties 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 Introduction to Public Administration or the humanities.

Those seeking such endorsement must simultaneously complete requirements for the M.A. or M.S. Those seeking such endorsement are required. Required courses in this program are: Psychology 831M (431), 800V, 853V, 860M, and 890V. Also, one of the following is required: Psychology 835M (4393), 853M (455), or SPEED 860M (460). The student must also have had course work in both learning and developmental psychology.

Recommendation for Certification

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

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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 Introduction to Public Administration or the humanities.

Those seeking such endorsement must simultaneously complete requirements for the M.A. or M.S. Those seeking such endorsement are required. Required courses in this program are: Psychology 831M (431), 800V, 853V, 860M, and 890V. Also, one of the following is required: Psychology 835M (4393), 853M (455), or SPEED 860M (460). The student must also have had course work in both learning and developmental psychology.

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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 published notice.
Land, Air, and Water CE 800. Environmental Seminar in Secondary Education
Seminar for Problems: Post-Secondary/HIGh Education
Seminar for Cooperating Teachers
Analysis Seminar in Secondary Education

CRP 822, Research Methods for Planning
CRP 415/820, Housing Renewal and Planning
CRP 913, Planning and the Natural Environment
CRP 915, Planning Within the Intergovernmental Context
CRP 917, Planning with Minority and Low Income Groups
CRP 924, Human Resource Planning

Public Works-Civil Engineering Option (15 hours from the following selected list in consultation with Advisor):
Four fields of supplemental study available: Transportation, Sanitary, Water Resources and Design, and Construction.
The objective of the program is to develop a broad-based Civil Engineering plan of study for public administration students who have little or no formal engineering training. A tentative list of Civil Engineering courses requiring no prerequisites or engineering background is presented below. The student will be encouraged to select courses from at least three of the four fields of interest in order to encourage breadth in his educational experience. Other courses may be available to the student with instructor's consent or if sufficient student demand warrants additional offerings.

Transportation
CE 468, Traffic Engineering
CE 468A, Transportation Geometries
CE 485, Urban Transportation Planning
CE 486, Transportation Planning and Economics
Sanitary
CE 800, Environmental Quality and Control—Land, Air, and Water
CE 826, Environmental Pollution Control
Water Resources
CE 914, Water Resources Planning
CE 916, Case Studies in Water Resources
Design and Construction
CE 609, Pavement Analysis and Design
CE 842, Construction Management

Social Work or Social Welfare Option (15 hours from the following selected list in consultation with advisor.)
SW 820, Human Behavior and the Social Environment I
SW 821, Human Behavior and the Social Environment II
SW 851, Social Welfare Policy & Services I
SW 852, Social Welfare Policy & Services II
SW 915, Social Work Practice in Child Welfare
SW 924, Social Work Practice in Mental Health
SW 933, Delinquency and its Treatment
SW 962, Administration in Social Work
SW 964, Supervision in Social Work
SW 975, Community Planning & Organization
SW 989, Advanced Seminar in Social Work Practice
SW 963, Special Studies in Social Welfare

The Environmental Option (15 hours to include at least one of the courses listed below, the remaining part of the program to be customized designed for the student by the Graduate Program Committee of the Biology Department.) Students selecting this option must be enrolled in the graduate program by both the Department of Public Administration and the Department of Biology.

Biology 813V, Environmental Biology
Biology 837V, Environmental Physiology
Biology 815V, Plant Ecology

The Law Enforcement Option (15 hours to include CJ 801V, Seminar in Criminal Justice Planning and Innovation; CJ 802V, Seminar in Administration of Justice; CJ 812V, Criminal Justice Research Theory and Methodology, plus six hours from the following list selected in consultation with Advisor.)
CJ 801V, Comparative Law Enforcement Systems
CJ 804V, Seminar in Community Services and Treatment
CJ 805V, Seminar in Criminal Jurisprudence
CJ 807V, Theoretical Criminology
CJ 808V, Seminar in the Processes of the Criminal Justice System
CJ 809V, Seminar in Delinquency Prevention, Control and Correction
CJ 811V, Special Problems in Criminal Justice
CJ 814V, Independent Study

UNIVERSITY OF NEBRASKA AT OMAHA
SECONDARY/POST-SECONDARY EDUCATION

Programs in Secondary Education are developed on an individual basis by the student and the advisor. Students are required to select courses from five areas of interest. Minimum and maximum hours that must be included from each area are indicated where such limits are applicable. Course names or types included in each area are indicated where appropriate.

AREA

I. SED Core
   SED 825V — Seminar in Secondary Education

Plus one of the following:

II. Research
   Research Methods, Statistical Methods, Tests & Measurements
   3

III. Professional Specialization
   Professional Development, Teaching Field
   3

IV. Related Professional Courses
   1

V. Related Academic Courses
   11

Total: 36 hours

A minimum of 12 hours of SED courses must be included in each Plan of Study. Minimum or Maximum is determined by advisor.

MINIMUMS OR MAXIMUMS DETERMINED BY ADVISOR

Master of Science (with Minor)

Students seeking the Master of Science Degree with a major in Secondary Education and a minor indicated below. Minimum and maximum hours that must be included from each area are indicated where such limits are applicable. Course names or types included in each area are indicated where appropriate.

AREA

I. SED Core
   SED 825V — Seminar in Secondary Education

Plus two of the following:

II. Research
   Research Methods, Statistical Methods, Tests & Measurements
   3

Students seeking the Master of Science Degree with a major in Secondary Education and a minor indicated below. Minimum and maximum hours that must be included from each area are indicated where such limits are applicable. Course names or types included in each area are indicated where appropriate.

AREA

I. SED Core
   SED 825V — Seminar in Secondary Education

Plus two of the following:

II. Research
   Research Methods, Statistical Methods, Tests & Measurements
   3
SPECIAL EDUCATION

Graduate Requirements—STUDENT TEACHING

Students needing SPED 872, SPED 873, and/or SPED 850, SPED 851, SPED 852, must submit a completed application form for student teaching/practicum signed by their adviser before March 15 for a fall and/or summer placement and by October 15 for a spring placement.

Under no circumstances can a student take both SPED 872 and SPED 873 or SPED 850, 851 and 852 during the same semester.

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Under no circumstances can a student take both SPED 872 and SPED 873 or SPED 850, 851 and 852 during the same semester.
Master of Arts: Speech Pathology

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

1. Submit two letters of recommendation from people who know your undergraduate work well.
2. 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).
3. Have successfully completed a minimum of twenty-four semester hours of work preparatory to admittance to the major. These hours are to include the following courses or their equivalents:
   - SPED 140, Introduction to Communication Disorders
   - SPED 433, Speech Reading and Auditory Training
   - SPED 437, Hearing Disorders
   - SPED 438, Speech Science I: Speech Mechanisms
   - SPED 439, Hearing Science
   - SPED 443, Speech Pathology I: Childhood Language and Articulation
   - SPED 444, Speech Pathology II: Rhythm and Symbolization
   - SPED 445, Speech Science II: Experimental and Applied Phonetics
   - SPED 447, CHILDHOOD DISORDERS
   - SPED 450, Communication Disorders in the Elementary and Secondary Schools
   - SPED 451, Basic Clinical Practicum in Speech Pathology
   - SPED 475, Childhood Disorders
   - PSY 213, Statistics

4. 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.)

5. Twenty-four semester hours of course work and practicum. These hours may be taken from the following:
   - Required Courses:
     - FED 801V Introduction to Research
     - SPED 851V Advanced Clinical Practicum in Speech Pathology (school)
     - SPED 852V Advanced Clinical Practicum in Speech Pathology (externship)
     - SPEL 460V Diagnostic Methods in Communicative Disorders
     - SPED 848V Advanced Audiology
     - SPED 899V Thesis
   - II. Elective Courses:
     - Students may choose any of the courses in the area numbered 800V or above.

6. Thesis:
   - Students must present a thesis representing six semester hours of work and which is deemed satisfactory to the members of the committee, following oral examination.

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. Applicants to the M.A. degree program with a major in Mental Retardation must be approved by the Dean for Graduate Studies and Research and the major adviser.
2. Applicants should hold a teaching certificate in special education or be within 15 credit hours of certification.
3. 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.
   c. a thesis not to exceed six semester hours.
4. To be admitted as a candidate for the M.A. degree in Mental Retardation the student must have successfully completed twelve hours of course work and passed a comprehensive examination covering these first twelve hours.
5. Each candidate will submit a thesis proposal to his committe for approval. A thesis will represent six semester hours in independent study under the direction of the major adviser.
6. Subject to the review of the applicants transcripts and related experiences with retarded children, required courses may be selected from the following:
   - Required Courses:
     - FED 801V Introduction to Research
     - SPED 870V Seminar in Speech Pathology
     - SPED 872V Practicum in Speech Pathology
     - SPED 899 Thesis
   - Elective courses may be chosen from any of the level 800V courses in the major and minor area of study.

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.

1. Core Professional Courses
   - 18 hours
   - Including work in graduate reading courses SPED 911, 912, 813V, 814V, 815V, 917V or 918V or their equivalent.
2. Related Professional Courses
   - 6 hours
   - Including Introduction to Research and selected work in such areas as foundation and general education, elementary education, secondary education, special education, and psychology.
3. Related Graduate Courses
   - 12 hours
   - Including selected work in such areas as counseling 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 involves these requirements:

1. Submit two letters of recommendation from people who know your undergraduate work well.
2. 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).

3. Have successfully completed a minimum of twenty-four semester hours of work preparatory to admittance to the major. These hours are to include the following courses or their equivalents:
   - SPED 140, Introduction to Communication Disorders
   - SPED 433, Speech Reading and Auditory Training
   - SPED 437, Hearing Disorders
   - SPED 438, Speech Science I: Speech Mechanics
   - SPED 439, Hearing Science
   - SPED 443, Speech Pathology I: Childhood Language and Articulation
   - SPED 444, Speech Pathology II: Rhythm and Symbolization
   - SPED 445, Speech Science II: Experimental and Applied Phonetics
   - SPED 447, Childhood Disorders
   - PSY 213, Statistics

4. Thirteen hours of course work and practicum. These hours may be taken from the following:
   - Required Courses:
     - FED 801V Introduction to Research
     - SPED 846V Diagnostic Methods in Communicative Disorders
     - SPED 848V Advanced Audiology
     - SPED 911V Seminar in Speech Pathology
     - SPED 912V Practicum in Speech Pathology
   - Elective Courses in Communicative Disorders
     - Students may choose any of the courses in the area numbered 800V or above.

5. Each candidate will submit a thesis proposal to his committee for approval. A thesis will represent six semester hours in independent study under the direction of the major adviser.
6. Subject to the review of the applicants transcripts and related experiences with retarded children, required courses may be selected from the following:
   - Required Courses:
     - FED 801V Introduction to Research
     - SPED 870V Seminar in Special Education
     - SPED 872U Practicum in Special Education
     - SPED 899 Thesis
   - Elective courses may be chosen from any of the 800V level courses in the major and minor area of study.

Master of Science in Related Area:

- SPED 140, Introduction to Communication Disorders
- SPED 433, Speech Reading and Auditory Training
- SPED 437, Hearing Disorders
- SPED 438, Speech Science I: Speech Mechanics
- SPED 439, Hearing Science
- SPED 443, Speech Pathology I: Childhood Language and Articulation
- SPED 444, Speech Pathology II: Rhythm and Symbolization
- SPED 445, Speech Science II: Experimental and Applied Phonetics
- SPED 447, Childhood Disorders
- PSY 213, Statistics

- Master of Science: Reading
- Master of Science: Speech Pathology

UNIVERSITY OF NEBRASKA AT OMAHA

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53 UNIVERSITY OF NEBRASKA AT OMAHA
Master of Science: Teaching the Mentally Retarded

The Master of Science degree in special education provides candidates with the opportunity to develop competencies in theory, specific diagnostic and intervention skills, and practical application and research. Students will complete a minimum of thirty course hours to fulfill the requirements of the Master of Science degree in Special Education.

Entrance Requirements:

1. Admission to the University of Nebraska at Omaha Graduate College requires that the Graduate Record Examination (GRE) be taken within Step I of program sequence.

2. Teaching Certification

A. The student must hold a teaching certificate from a state education agency and be eligible to receive teaching certification in elementary or secondary grades, special education, psychological and educational testing, and special services.

B. The student must hold a teaching certificate and endorsement in areas of special education.

Students accepted into the program who have completed their first two years of teaching, including coursework and clinical experiences, must show evidence of their related and competencies in theory, specific diagnostic and intervention skills, and practical application.

Teaching Experience

Students must complete an experience that includes twelve hours of successful teaching in pre-school, kindergarten, elementary, secondary, special education, or special services before final endorsement is recommended.

Pre-requisite Courses

Regardless of the student’s major area of study coming into the program, his/her transcript must meet the following requirements:

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

Pre-competency Evaluation

Upon admission to the Graduate College and prior to entering Step I, the student must make arrangements with his/her program advisor to undergo pre-competency evaluation. This evaluation includes the following: A. Written - this test is designed to examine the student’s past and present exposure to theories and terms concerning the area of special education and learning disabilities.

II. Electives

- 1. Admission to the University of Nebraska at Omaha Graduate College requires that the Graduate Record Examination (GRE) be taken within Step I of program sequence.
- 2. Teaching Certification

A. The student must hold a teaching certificate from a state education agency and be eligible to receive teaching certification in elementary or secondary grades, special education, psychological and educational testing, and special services.

B. The student must hold a teaching certificate and endorsement in areas of special education.

Students accepted into the program who have completed their first two years of teaching, including coursework and clinical experiences, must show evidence of their related and competencies in theory, specific diagnostic and intervention skills, and practical application.

Teaching Experience

Students must complete an experience that includes twelve hours of successful teaching in pre-school, kindergarten, elementary, secondary, special education, or special services before final endorsement is recommended.

Pre-requisite Courses

Regardless of the student’s major area of study coming into the program, his/her transcript must meet the following requirements:

- A. Child Development - 3 hours
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- C. Curriculum Development - 3 hours
- D. Teaching (or equivalent) - 3 hours
- E. Methods Courses - 3 hours

Pre-competency Evaluation

Upon admission to the Graduate College and prior to entering Step I, the student must make arrangements with his/her program advisor to undergo pre-competency evaluation. This evaluation includes the following: A. Written - this test 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:
     - Required: 9 hours
       - SPED 840: Learning Disabilities (3)
       - SPED 880: Social and Emotional Growth of Children and Youth (3)
       - FED 801: Introduction to Research (3)
     - Elective: 3 hours
       - SPED 911U: Problems in Teaching Reading-Elementary (3)

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

2. STEP II (16 hours)
   - Upon successful completion of Step I, students will enter Step II which is the candidacy level. Step II combines both theory and practicum in preparing the student in the analysis of children's learning and emotional behavior and the application of intervention techniques related to learning problems. During this step, students must submit to the Graduate College a completed Application for Candidacy Form. Courses for Step II include the following:
     - Required: 13 hours
       - SPED 895V: Basic Diagnosis of Learning Deficits (3)
       - SPED 896V: Advanced Diagnosis of Learning Deficits (3)
       - SPED 897V: Clinical Learning in Disabilities (3)
       - SPED 881M: Classroom Techniques for Behavior Control (3)
     - Electives:
       - SPED 863M: Curriculum Planning for the Disabled (3)
       - SPED 813V: Diagnostic and Remedial Instruction in Reading (3)
       - SPED 867V: Diagnostic and Remedial Techniques for Early Childhood (3)
       - Psy 811M: Psychological and Educational Testing (3)
       - Coun 811V: Child Assessment in Elementary School Guidance (3)
       - EEd 811V: Diagnostic and Corrective Instruction (3)
       - EEd 834V: Introduction to Curriculum Planning-Elementary (3)
       - EEd 829M: Learning Materials for Early Childhood Education (3)
       - SED 820V: Special Education Curriculum (3)
       - SED 877V: Vocational Curriculum Construction (3)

Other secondary methods courses
- SPED 810V: Research Projects
- SPED 880V: Special Projects

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

3. STEP III (9 hours)
   - This is the final step in the student's program. Except for SPED 870, Seminar in Special Education, the student must demonstrate and be evaluated in those skills and competencies developed for practical use. The following courses are required:
     - SPED 870: Seminar in Special Education (3)
     - SPED 872: Advanced Observation and Student Teaching in Special Education (3)
     - SPED 872-Basic Observation and Student Teaching in Special Education (3)

Master of Science: Teaching the Emotionally Disturbed

Entrance Requirements

1. The student must have completed the following courses:
   a. Child Development — 3 hours
   b. Learning Theory — 3 hours
   c. Curriculum Development — 3 hours
   d. Student Teaching (or equivalent) — 3 hours

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 2.54) (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 35 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 teaching certificate in one or more teaching areas.

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

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

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 must complete a two-hour comprehensive competency examination at the end of each step. This exam will be scheduled once a term.

3. Courses
   - Required: FED 801: Introduction to Research — 3 hours
   - Electives: FED 806, Interdisciplinary Approaches to Developmental Disabilities — 3 hours

Comprehensive Examination

Step II — 12 hours

Required
   - SPED 895, Diagnosis of Learning Disabilities — 3 hours
   - SPED 872, Basic Observation and Student Teaching in Special Education — 3 hours

Electives
   - FED 896, Advanced Diagnostic and Corrective Instruction in Reading — 3 hours
   - SED 820, Class Techniques of Behavior Control — 3 hours

Comprehensive Examination

Step III — 12 hours

Required
   - SPED 895, Diagnosis of Learning Disabilities — 3 hours

Electives
   - SPED 872, Basic Observation and Student Teaching in Special Education — 3 hours
   - SED 820, Class Techniques of Behavior Control — 3 hours

Comprehensive Examination

Step III — 12 hours

Required
   - SPED 872, Parent/Professional Relationships — 3 hours
   - FED 800, Special Projects — 1 hour

Comprehensive Examination.
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 seeking additional professional training.

Qualified urbanists are being sought by a wide range of employers. Private corporations as well as public agencies are seeking employees who have a broad range of technical skills and an understanding of the problems of contemporary urban society.

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

For a student to be admitted unconditionally to the M.S. program he/she must have an undergraduate grade point average of at least 3.00 on a 4.00 system. In addition, if the student's undergraduate preparation in the social sciences is insufficient, additional preliminary work may be prescribed which he must complete before he is accorded unconditional admission. These additional courses do not carry graduate credit, but other courses for graduate credit may be taken simultaneously.

Degree Requirements

Thirty-six semester hours of course work are required. A core of six required courses shall be completed, plus nine credit hours must be taken from one of three areas of concentration. The required courses include Urban Studies 883V, 884V, 801V, 802V; and History 844M or 812M, and a course in research methods. Courses applicable to the area of concentration may include, but are not necessarily restricted to, Political Science 892M, 843M, 881V; Public Administration 880V, 842V, 844V, 846V, 848V; Geography 881V; Psychology 991; Sociology 810M, 841M, 802M, 872M, 899M, 800M, 811M; Gerontology 810M, 892M, Counseling 898M, 822V, 827V, Community and Regional Planning 811M, 813V. A maximum of nine hours of optional credit may be selected from Economics 880V, 886V, 887V, 888V; History 843M, 811M; Geography 881V, 812M; or many of the courses listed above.

Eighteen hours of the course work must be at the 800V level.

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 (CI) are meant to serve students within the education profession by broadening their skill levels, making available merged talents of collegiate faculty and functioning within different or multi-level educational settings.

Foreign Languages

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

Gerontology

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

Persons admitted to the Gerontology Program may earn the Certificate in Gerontology upon completion of at least fifteen semester hours of coursework in gerontology plus an approved practical. 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

UNIVERSITY OF NEBRASKA AT OMAHA

COURSES DESCRIPTIONS

Art

Studio Art
831M Advanced Sculpture (3) Advanced work in area of student's choice with facilities for oxide, welding, carving, and other materials. Prereq: Art 331 and permission of instructor.

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

851M Advanced Techniques in Printmaking (3) Intaglio, lithography, collagraph, and the emersed print, stressing color and technical proficiency in the various media. Prereq: 451 and permission of instructor.

461/861M Advanced Ceramics (3) Advanced work on the potter's wheel, glaze composition, loading and firing of a high-fire kiln. Prereq: Art 361 and permission of the instructor.

831V Graduate Sculpture (3) Advanced problems in sculptural media. Prereq: Art 451 and permission.

841V Graduate Painting (3) More complex problems in the oil medium and related materials. 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

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

834J Ecology (4) The study of the behavior of whole organisms and groups of organisms in relation to their total living and non-living environment. Prereq: For 334, Biology 145 and 175, junior-senior. For 834J, Biology 145 and 175.

344/844J Morphology of Lower Plants (3) A lecture and laboratory course which covers the morphology, anatomy, and evolutionary trends of algae, fungi and bryophytes. Prereq: For 344, Biology 145, junior-senior. For 844J, Biology 145.


373/873J Fauna of the Great Plains (3) A survey of the common animal groups found in the great plains, including their evolution, anatomy, distribution and specific adaptations to the environment of the temperate North American grasslands. Prereq: For 373, Biology 145, junior-senior. For 873J, Biology 145.

374/874J Histology (4) An introduction to 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 874J, 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 world distribution of major vegetation types and the ecological and physiological factors that determine their location. Special attention to North America is included. Prereq: Biology 145 and 175, botany, or permission.

411/811M Cellular Biology (4) This course is a study of the structure and function of plant and animal cells. Prereq: For 411, Biology 145 and 175; organic chemistry; or permission of the instructor. Junior-senior. For 811M, Biology 145 and 175, organic chemistry; or permission of the instructor.

418/818M Limnology (4) A study of the physical, chemical, and biotic relationships that serve to establish and maintain plant and animal communities in a freshwater environment. Prereq: 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 evidence which supports 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 diverse animals for the understanding of the relationships between nervous integration and the behavior manifested by the organism, as well as the evolution and adaptive significance of behavior as a functional unit. Prereq: For 427, Biology 175 and Psychology 101, or permission of the instructor. Junior-senior. Lecture only. For
terrelated in public, private, and governmental accounting and management. This reflects the importance of financial and management processes and the impact of management on areas of business and society. The course examines the inter-organizational processes of management, decision making, and controlling as well as the external environment's impact on these processes. The course is designed to provide an understanding of the external environment and its impact on the decision-making processes of management.

331V Human Behavior in Organizations (3) An interdisciplinary study presenting the major trends represented by a variety of theories of organizational behavior as well as major concepts in organizational psychology. Prereq: and 181 or 281.

832V Personnel Administration (3) Personnel Administration (3) A study of the human problems and procedures employed in solving problems of personnel administration and human resource management. Prereq: and 280V.

861V Current Problems in Real Estate and Land Use (3) Current Problems in Real Estate and Land Use (3) A study of the trends of problems affecting real estate policies in the private and public sectors. Prereq: and 280V.

589P, 589V, 589J Marketing Policies (3) A study of the development of marketing policies in real estate markets affecting real estate policies in the private and public sectors. Prereq: and 280V.

581V Seminar in Management (3) A seminar on the management of resource management and personnel administration, as related to human resource management. Topics are selected and materials to illustrate the practical applications of advanced methods and procedures that relate to personnel and human resource management. Prereq: and 280V.

835V Seminar in Management (3) Theory and practice of management. Prereq: and 280V.

875V Seminar in Investment Management (3) The theory and practice of investment management and the formulation of policies for different types of investors. Prereq: or 280V.


860V Real Estate and Land Use Economics Theory (3) This course brings together the best of the technical and economic theories of real estate and land use economics. Prereq: and 280V.

432/823M Advanced Organic Chemistry (3) An advanced lecture course in modern theories and special topics in organic chemistry. Prereq: Chemistry 226, 335 with grade of C or better (Chemistry 335 may be taken concurrently.)

480/850M Advanced Inorganic Chemistry (3) This course brings together the best of the technical and economic theories of inorganic chemistry. Prereq: Chemistry 336 (May be taken concurrently.)

481/851M Advanced Inorganic Preparations (1-2) This course prepares representative organic compounds by various standard and special experimental techniques. Prereq: and 280V.

485/865M Biochemistry (3) Biochemistry (3) An introduction to the principles of biochemistry, including the structure and function of biological molecules. Prereq: Chemistry 336.

465/866M Biochemistry (3) Biochemistry (3) An introduction to the principles of biochemistry, including the structure and function of biological molecules. Prereq: Chemistry 336.

483/828M Applications of Microbiology to Sanitary Engineering: (3) Applications of microbiology to the study of waste management and the environment. Prereq: and 280V.

499/899V Research in Chemistry (Arranged) Provides students with experience in research work in the field of chemistry. Prereq: Permission of instructor.

500/860M Transportation Engineering II (3) Introduction to planning and analysis of multi-model transportation projects. Prereq: and 280V.

501/861V Environmental Policy and Planning (3) An introduction to the principles of environmental engineering, including the study of waste management and the environment. Prereq: and 280V.

426/826M Environmental Pollution Control (3) An introduction to the principles of environmental engineering, including the study of waste management and the environment. Prereq: and 280V.

428/828M Applications of Microbiology to Sanitary Engineering: (3) Applications of microbiology to the study of waste management and the environment. Prereq: and 280V.

536/852M Physical Chemistry (3) A presentation of selected topics from the areas of classical thermodynamics, statistical mechanics, and quantum mechanics. Prereq: Chemistry 335.

536L/856JL Physical Chemistry Laboratory (1) Physical chemistry laboratory. Prereq: and 280V.

499/899V Research in Chemistry (Arranged) Provides students with experience in research work in the field of chemistry. Prereq: Permission of instructor.

500/860M Transportation Engineering II (3) Introduction to planning and analysis of multi-model transportation projects. Prereq: and 280V.

501/861V Environmental Policy and Planning (3) An introduction to the principles of environmental engineering, including the study of waste management and the environment. Prereq: and 280V.

536/852M Physical Chemistry (3) A presentation of selected topics from the areas of classical thermodynamics, statistical mechanics, and quantum mechanics. Prereq: Chemistry 335.

536L/856JL Physical Chemistry Laboratory (1) Physical chemistry laboratory. Prereq: and 280V.
441/841M Structural Analysis II (3) Analysis of statically indeterminate structures, including continuous beams, plate frames, and trusses. Numerical methods and matrix analysis techniques, including an introduction to solutions by matrix methods. Effects of temperature and movement on structures. For 441, graduate standing and permission of the instructor.

445/845M Steel Design I (3) An introductory course involving the application of the basic principles of mechanics of materials and the current practices in proportioning structural steel. For 441, Civil Engineering 340 or permission of the instructor.

446/846M Steel Design II (3) A continuation of the basic principles of the previous course. Focuses on design of steel structures. Includes additional topics such as welding and cold-formed steel. For 444, Civil Engineering 340 or permission of the instructor.

457/857M Ground Water Engineering (3) The application of engineering principles to the investigation and management of ground water. Includes the physical and geologic environment on ground water hydrogeology, water quality, and aquifer evaluation. Emphasis is placed on practical ground water engineering problems. For 457, graduate standing and permission of the instructor.

461/861M Urban Transportation Planning (3) Development of urban transportation planning, objectives and goals, air pollution, land use and travel forecasting techniques, trip generation and assignment, traffic analysis. Mass transit system design, operation and evaluation. For 461, graduate standing and permission of the instructor.

462/862M Airport Planning and Design (3) Principles of airport planning and design. Analysis of airport financing, site selection and determination of economical demand. Complex interactions of airport planning and design. For 462, graduate standing and permission of the instructor.

463/863M Transportation Geometrics (3) Functions and implications of transportation systems. Emphasis on highway, railroad and airport design considerations. Horizontally and vertically curved sections, superelevation, and ramp curve analysis. Design of highway interchanges, channelization and cross sections.

464/864M Traffic Engineering (3) Characteristic traffic flow influences, interaction of the driver, vehicle and roadwayways, accident investigation, roadway design and traffic control devices. For 464, upper class standing and permission of the instructor.

470/870M Construction Management (3) Estimating and bidding, scheduling (CPM, PERT), contract administration, insurance, cost control systems, systems utilization, code and zoning. For 470, graduate standing and permission of the instructor.

471/871M Urban Development and Evaluation (3) Thickened designs of flexible and rigid pavement for highways and airports; design of paving materials and techniques, surface runoff, infiltration, drainage basin characteristics, streamflow, and precipitation runoff relationships. Emphasis is placed on utilizing these variables in forming engineering judgments. For 471, graduate standing and permission of the instructor.

480/880M Lincoln and Nebraska Architecture (3) History and development of architectural styles and periods in Nebraska. For 480, graduate standing and permission of the instructor.

487/887M Reinforced Concrete II (3) The use of reinforced concrete design principles in special applications, including columns and beams, and the study of additional design concepts such as deflection, pretensioning and temperature effects. For 487, Civil Engineering 441 and 841 or permission of the instructor.

488/888M Plastic Analysis I (3) Application of the basic principles of plastic analysis to frame structures, use of the collapse concepts, upper and lower bound theorems, and moment balance equations to various frame geometries. Member selection and deflection calculations. For 488, Civil Engineering 441 or permission of the instructor.

490/890M Graduate Research in Communication (3-6) A workshop to explore and develop new communication forms, to develop skills in the formation and exchange of messages, and to increase awareness of the pragmatic aspects of communication. For 490, permission of the instructor.

491/891M Communication (3) A study of the principles of communication applied to reinforced concrete structures. For 491, graduate standing and permission of the instructor. Emphasis is placed on five-plex, share, and bond. For 491, Graduate standing and permission of the instructor.

492/892M Research (Thesis) (3-6)

493/893M Thesis (Thesis) (3-6)

494/894M Communication I (3) A discussion of specific communication problems and techniques.
447/847M General Semantics: A System of In- 68 UNIVERSITY OF NEBRASKA AT OMAHA
447/847M General Semantics: A System of In-
dependent Environmental Communication- dpendent Environmental Communication-
(3) An introductory, student participa- tion course designed to sustain and advance independent environmental communication; developing awareness, self-actualization and empathic or- ientation toward personal and social changing environments by means of linguistic and diagrammatic de- vices in both interpersonal and interpersonal communication.

450/850M Mass Communications and Public Opinion: (3) An introduction to the nature and function of public opinion and its significance in our society, the means of propaganda and its methods, and the relationship between public opinion, propaganda, and the mass communication process.

451/851M Persuasion: (3) Basic principles and psychological processes underlying persuasive communication: a review of various sources, message, channel, and receiver variables and their influence on communication effectiveness. Prereq: Comm 101 and 3 hours of psychology or sociology, or permission.

452/852M Psycholinguistics: (3) A discussion of the literature concerned with how such psycho- logical factors as personal proclivities, learning, memory, and development relate to the linguistic variables of sentence structure, meaning, and speech sounds. Prereq: Permission. (Same as Psy 452/852M)

461/861M Directing: Video (3) To provide students planning to teach speech in high school or college with a philosophy and detailed knowledge of how to direct a forensic program. Prereq: Comm 112 or permission.

460-491/898M-891M Seminar in Mass Communication (1-3) A seminar in applying historical and theoretical perspective to current issues and problems in mass communication.

898-899M Independent Study in Communication (Each 1-3) Special projects in communication in more general or theoretical circles: individual research projects; combined study and project. Prereq: At least 9 hours of experience in area of communication to be studied, permission.

801 Introduction to Research in Speech (1) (3) Basic components, functions, and spirit of research; research methods in the arts and sciences; forms of communication; preparation of the thesis proposal.

811 Seminar: Modern Public Address (3) (3) A comprehensive analysis of the current intercollege debate proposals. Also stresses methods of coaching debate and debate tournament management at the college level. Students taking this course may not only receive credit for Comm 821M, directing forensics, but a degree at UNO. Prereq: Permission.

810M Seminar in Broadcast (3) Substantive study of specialized areas and modes of broadcasting. Content will vary according to the interest of the student and may be repeated. Prereq: Permission.

810VM Seminar in Communication Theory (3) Current and ancient approaches to the study of communication, with emphasis on theoretical models, paradigms, and historical, personal, and social influences. Prereq: (1) research methods, and (2) working knowledge of one foreign language. In doubtful cases, instructor's permission is required.

815 Seminar in Electronic Media and U.S. Society: 1950-1970 (3) An examination of the im- age of the individual in the mass media. Prereq: Permission. (Same as Comm 815U and Psychology 815U)

820 Basic components, functions, and spirit of the counseling process; combined study and practicum; supplementing regular courses; individual re- search projects; combined study and practicum. (Each 1-3) Special projects in communication research and practicum. (Each 1-3) Special projects in communication research and practicum. (Each 1-3) Special projects in communication research and practicum. (Each 1-3) Special projects in communication research and practicum.

940 Seminar in Small Group Communication (3) An intensive study of selected counseling theories, methods of counseling, and counseling skills. Prereq: Counsel 820V and Psychology 836U or permission of instructor.

971 Advanced Studies in Counseling (2-3) An intensive study of selected counseling theories, methods of counseling, and counseling skills. Prereq: Counsel 820V and 825V or permission of instructor.

970 Research Project in Counseling and Guidance (3-6) Research study on a problem in the area of guidance and counseling. Prereq: Permission of department.

984 Introduction to Counseling Theories (3) The study of contemporary counseling theories. Prereq: Counsel 892M or permission of department.

985 Seminar in Counseling and Guidance (3) A study of procedures to increase the effectiveness of humanistic practices in the classroom. Special emphasis will be placed on planning and implementing processes in specific situations. Prereq: Counsel 222V or ESED 456 or ESED 458 or permission of instructor.

986U Theories and Studies in Occupational Educa- tion. Information (2-3) Advance study of theories and research related to vocational edu- cation, with emphasis on current research in the con- struction and use of occupational and educa- tional information. Prereq: Counsel 822V.

987 Alcoholism Treatment Modalities (3) An examination of alcoholism treatment modalities. Special attention is given to comparison with theoretical perspectives, tech- niques, and effectiveness. Prereq: Graduate stu- dents only or permission of department.

988U Advanced Studies in Counseling (3) An intensive study of selected counseling theories, methods of counseling, and counseling skills. Prereq: Counsel 820V and 825V or permission of instructor.

821M Advanced Counseling Practicum (2-3) Counseling practicum as an extension of the counselor's education. Prereq: Counsel 820V and 825V or permission of instructor.

974 Research Project in Counseling and Guidance (3-6) Research study on a problem in the area of guidance and counseling. Prereq: Permission of department.

983 Seminar in Counseling Prac- ticum (3) A study of the methods and techniques appropriate in-school personnel. Prereq: Counsel 820V.

984 Child Assessment in Elementary School Counsel- ing (3) Methods and techniques for the evalua- tion of the elementary child as a unique in- dividual. Prereq: Counsel 890M and 891M.

983 Counseling Elementary School Skills for Secondary Counseling Prac- ticum (3) A study of the methods and techniques appro- priate in counseling young children. Prereq: Counsel 820V, 831V.

983 Elementary School Counseling Practicum (3) Counseling in the elementary school setting, the supervision of a counseling professor of the university. Prereq: Counsel 822V and permission of department.

985 Elementary Counseling Internship (6) Field experience in an elementary school counseling program under the supervision of a counseling professor and appropriate in-school personnel. Prereq: Counsel 822V and permission of department.
837V Group Counseling Theory and Practice (3)
A course designed primarily for Counselors with a combination of theory and experiences necessary to the understanding of effective leadership skills involved in the group counseling process. Prereq: Coun 890M, Coun 820V, Coun 824V, and Coun 827V.

839V Guidance Services and The Disadvantaged Youth (3) An examination of the methods and techniques in counseling disadvantaged youth. Prereq: Coun 820V and 824V.

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

847V Practicum in Group Counseling (4)
Supervised experience co-facilitating group counseling at an approved practicum site. Required as an approved practicum site. Required as a supervised experience co-facilitating group counseling process. Prereq: Coun 890M, Coun 820V, and/or permission.

850M Principles of Guidance (3) The introductory course for students majoring in the counseling and guidance department. A study of basic principles underlying guidance and counseling. (Non-counseling majors are encouraged to take this course.) Prereq: skills for secondary teachers or Coun 892M, guidance in the elementary schools.

890V Drama Theory and Aesthetics (3) A study of the various theatrical and aesthetic theories and criticism from the 18th century to 1964 and the development of the dramatic arts as a genre of American culture. Prereq: Permission of instructor.

891V Criminal Justice Research Theory and Methodology (3) Research theory and methodology in the social sciences as applicable to criminal justice research. The development of research design and statistical analysis. Prereq: Consent of instructor.

892V Seminar in Administration of Justice (3) The application of justice administration principles to the development of effective strategies of promoting change in criminal justice agencies. Prereq: Graduate standing and completion of course and seminar in psychology.


894V Seminar in Community Services and the Community (3) Special projects in community services and health. Prereq: 9 hours of study in Community Services and Health and permission of instructor.

896M Children's Theatre Production (3) Study of the techniques of direction, design, acting and production of children's theatre. Improved set building methods and scenic design and lighting from historical and contemporary viewpoints. Prereq: DA 101, 461, 467, 471, 472 or permission of the instructor.

897V Personal and Developmental Issues in Parent Education (3) A review of the literature in social psychology with emphasis on the role of parents in American family programs in parent education. Study of the basic assumptions regarding the role of group discussions in child development and family relations with emphasis on application to parent education programs. Same as HD&F 811V. Prereq: CJ 203 and permission of instructor.

904M Seminar in Community Services and the Community (3) An examination of the interaction of the constituent elements of the American community and their effect on the individual. Considers the institutional and personal interfacing. Prereq: Permission of instructor.

905M Criminal Justice Process (3) An examination of the criminal justice system with emphasis on the role of the police, the courts, and the corrections system. Prereq: CJ 203 and/or permission of the instructor.

907V Techniques of Group Counseling (3) An introduction to the theory, history, organization, and utilization of educational technology for instruction, emphasizing the placement of educational media in the learning/teaching process. Prereq: CJ 203 and/or permission of the instructor.

911V Special Problems in Criminal Justice (3) A course devoted to an exploration and analysis of the special problems concerned with the administration of justice. Prereq: CJ 203 and permission of instructor.

912V Criminal Justice Research Theory and Methodology (3) Research theory and methodology in the social sciences as applicable to criminal justice research. The development of research design and statistical analysis. Prereq: Consent of instructor.

914V Independent Study (1-3) Individual project in the field of study under the supervision of an advisor. Prereq: Permission of instructor.

997V Thesis (1-6) Independent research project written under the supervision of an advisor. Prereq: Permission.

Criminal Justice
837V Criminal Justice Planning and Innovation (3) A review of the literature in social psychology, public administration and sociology which relate to the effectiveness of alternate strategies of promoting change in criminal justice agencies. Prereq: Completion of course and seminar in psychology.

891V Criminal Justice Research Theory and Methodology (3) Research theory and methodology in the social sciences as applicable to criminal justice research. The development of research design and statistical analysis. Prereq: Consent of instructor.

892V Seminar in Administration of Justice (3) The application of justice administration principles to the development of effective strategies of promoting change in criminal justice agencies. Prereq: Graduate standing and completion of course and seminar in psychology.


894V Seminar in Community Services and the Community (3) Special projects in community services and health. Prereq: 9 hours of study in Community Services and Health and permission of instructor.

896M Children's Theatre Production (3) Study of the techniques of direction, design, acting and production of children's theatre. Improved set building methods and scenic design and lighting from historical and contemporary viewpoints. Prereq: DA 101, 461, 467, 471, 472 or permission of the instructor.

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904M Seminar in Community Services and the Community (3) An examination of the interaction of the constituent elements of the American community and their effect on the individual. Considers the institutional and personal interfacing. Prereq: Permission of instructor.

905M Criminal Justice Process (3) An examination of the criminal justice system with emphasis on the role of the police, the courts, and the corrections system. Prereq: CJ 203 and/or permission of the instructor.

907V Techniques of Group Counseling (3) An introduction to the theory, history, organization, and utilization of educational technology for instruction, emphasizing the placement of educational media in the learning/teaching process. Prereq: CJ 203 and/or permission of the instructor.

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914V Independent Study (1-3) Individual project in the field of study under the supervision of an advisor. Prereq: Permission of instructor.

997V Thesis (1-6) Independent research project written under the supervision of an advisor. Prereq: Permission.

Economics
418/818M Collective Bargaining (3) A study of the issues, structures, and procedures involved in collective bargaining and collective bargaining problems, as centered around the labor-management relationship. Prereq: Econ 315. Fall in even-numbered years.

821M Competition and Monopoly in American Industry (3) An analysis of the nature of competition and monopoly in the American economy. The study of market structures, conduct, and economic performance in a variety of industries. Prereq: Econ 320.

833M Advanced Macroeconomic Theory (3) A study of the level of income, production, employment, growth, and other related to the stability of the economy. Prereq: Econ 201 and 202 and Advanced Undergraduate course in economics. Prereq: Econ 201 and 202. Fall in even-numbered years.

430/830M Quantitative Applications in Economics and Business (3) The study and application of modern quantitative techniques to problems solving in economics and business. Prereq:
445/845M Monetary Theory and Policy (3) This course is designed to acquaint the student with the practical aspects of monetary theory from the classical theory to current monetary theories. It includes the classical theory, the Keynesian theories of Keynes, the neo-Keynesians, and the neo-classical models of monetary theory. Prereq: At least 6 hours of upper division course work in economics or permission of instructor.

892V-893V Independent Study (Each 1-3) Guided independent study and research under the direction of a faculty member.

800V-809V Urban Regional Research (Each 3) For students in urban and regional schools of economics. Prereq: Graduate student in economics and permission of instructor.

910V Project in Educational Administration (3-15) Individual or group study and research under the direction of an instructor.

901 Field Project in Educational Administration (1) The study of a problem of school administration, and employs the techniques of independent research. Prereq: Admission to education specialist program and permission of department chairman.

825V Seminar in Educational Administration (3) A study of educational problems with in-depth research analysis to show their relationship to and implication for educational administration.

835V Seminar in Educational Administration (3) A seminar of educational leaders on educational problems, including the inter-relationship between the federal, state, and local responsibilities.

840V Practicum in Educational Administration and Supervision (3) A study of the nature and functioning of effective educational administration, including the influence of state and local governments. Prereq: Completion of 24 hours of graduate study and approval of written plan of experience.

841V Practicum in Educational Administration and Supervision (3) Continuation of Education 840V. Continuation study of educational administration in elementary, secondary, or general administration and supervision as the interests and needs of the student requires. Prereq: EdAd 840V.

846V Administration and Supervision in Elementary Schools (3) The nature and functioning of effective educational administration in the elementary school

847V Administration and Supervision in Secondary Schools (3) The nature and functioning of effective educational administration in the secondary school.

800V Special Studies in Educational Administration and Supervision (3) A series of intensive courses designed for educational administrators and supervisors—scheduled as advanced seminars or workshops, according to purpose.

901 Advanced Seminar in Educational Administration (3) Participation is limited to individuals who have been admitted to candidacy and planning. These courses provide the theoretical basis for understanding and analyzing the problems involved in the duties of a school administrative officer. Emphasis will be placed on the theory and techniques of administration. Prereq: Admission to education specialist program.
885V School Finance (3) A study of the sources of school financing; local, state, and national. In addition to covering this area from a historical point of view, emphasis is placed on current problems in school finance. Prereq: FED 380 and EdAd 385V.

886V School Plant Planning and Operation (3) A study of the role of the modern building: Site selection, building construction, accounting for an educational facility, learning environment, maintenance and operation; rehabilitation; scheduling of work; and custodial care. Prereq: EdAd 880 and EdAd 835V.

881V Organization and Administration of The Physical Plant (3) Designed to give the school administrator a complete understanding of the maintenance and operation program of the school plant; includes long range planning for rehabilitation and remodeling, financing, scheduling of work, and custodial care. Prereq: EdAd 860V.

870V Administration and Staff Personnel (3) Three courses designed with personnel policies, problems, and issues in the following areas: Teachers recruitment, orientation, evaluation, promotion, tenure, retirement, professional organizations and legal status. Emphasis will be placed upon the techniques of democratic administration. Prereq: EdAd 800V and EdAd 835V.

873V Supervision and Leadership in Educational Administration (3) This course is designed specifically to deal with intergroup and interpersonal relationships in the educational setting. Emphasis will be placed on the leadership roles of school administrators. Emphasis will be placed upon the techniques of democratic administration. Prereq: EdAd 800V and EdAd 835V.

883V Urban School Administration (3) This course is designed to acquaint students with educational problems and urban problems and issues which most significantly affect the administration of an urban school. Prereq: Admission to graduate study.

888V Administration of The Instructional Materials Center (3) A course designed for students who wish to prepare themselves for the administration of a school instructional materials center, as related to the needs of the superintendent of schools.

876V Elementary and Early Childhood Education (3) A series of courses with personnel policies, problems, and issues in the following areas: Teacher recruitment, orientation, evaluation, promotion, tenure, retirement, professional organizations and legal status. Emphasis will be placed upon the techniques of democratic administration. Prereq: EdAd 800V and EdAd 835V.

887V History and Philosophy of Education (3) An intensive survey of the historical and philosophical foundations of education. Special emphasis is placed upon the secular, cultural, educational, and philosophical forces that have shaped the educational process and upon the role of education in society. Prereq: Admission to teacher education.

880V Comparative Education (3) An intensive study of the major educational systems of the world and the problems and processes of educational development. This course is designed for students who will be involved in the teaching of comparative education. Prereq: Admission to teacher education.

889V Research Project (1-6) Independent study under the supervision of an adviser. Prereq: Graduate standing.

885V Supervision and Administration of The School (3) A study of the principles and practices of supervision and administration of schools. Emphasis is placed upon the development of educational leadership and the problems of leadership in educational administration. Prereq: Admission to teacher education.

880V Comparative Education (3) An intensive study of the major educational systems of the world and the problems and processes of educational development. This course is designed for students who will be involved in the teaching of comparative education. Prereq: Admission to teacher education.

887V History and Philosophy of Education (3) An intensive survey of the historical and philosophical foundations of education. Special emphasis is placed upon the secular, cultural, educational, and philosophical forces that have shaped the educational process and upon the role of education in society. Prereq: Admission to teacher education.

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880V Comparative Education (3) An intensive study of the major educational systems of the world and the problems and processes of educational development. This course is designed for students who will be involved in the teaching of comparative education. Prereq: Admission to teacher education.
810V Diagnostic and Corrective Instruction (3) A descriptive study of the remedial problems of elementary and secondary school students and corrective techniques for overcoming such problems.

820V Improvement of Instruction in Elementary School Subjects (3) This course is designed for inservice education for students in education who wish to become better informed about the procedures used in elementary school subjects, the methods, materials, and procedure. Emphasis will be on techniques of these programs.

821V Improvement of Instruction in Elementary Mathematics (3) An examination of the philosophies, content, methods, and materials of modern mathematics programs for the elementary school. The needs and backgrounds of the students enrolled during the semester are given special consideration.

822V Improvement of Instruction in Social Studies (3) This course is intended for those professional educators interested in the "New Social Studies." Curricular, instructional strategies and research associated to this topic will be explored.

845V Innovations and Trends in Elementary Education: Designed as an advanced study for the purpose of exploring current trends and developments within the various subject matter courses offered in the elementary grades. Prereq: FED 801V.

847V Introduction to Curriculum Planning: Elementary (3) A study of the history, philosophy and current developments in the elementary fields, with emphasis on appropriate content and methods of curriculum realization. Prereq: FED 801V.

859V Seminar in Elementary Education (3) A study of educational problems as they relate to the elementary school. Courses may be taken in the last nine hours in the program for the major of science degree. Prereq: FED 801V.

861V Seminar in Supervision of Student Teachers-Elementary (3) Designed for experienced teachers who may serve as cooperating teachers, and who desire to study student teaching, its aims, its methods, procedures, processes, trends and developments. Prereq: 2 years of teaching experience.

865V Workshop: Newspaper in the Classroom (3) A course designed to assist teachers in planning to use the newspaper as a teaching tool. The course content includes classroom permission, the importance of the newspaper, methods of teaching, and workshop development. Prereq: 2 years of teaching experience.

870V Practicum in Elementary and Early Childhood Education (3-6) This practicum is designed for selected graduate students who are participating in the graduate program in elementary and early childhood education. This six-hour practicum experience will consist of one semester of full-time teaching in an elementary school under the supervision of a graduate faculty of the department 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) The practicum will demand an increased responsibility of the student for the various grades and a concomitant increase in variety of experiences, based upon his individual needs. EED 871V is a teaching based upon his performance during his first practicum experience, and the concomitant improvement of EED 871V. Prereq: Permission of advisor and satisfactory completion of EED 871V. Practicum in elementary-education. 109 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 selected contemporary French and German novels in translation. (Same as French 415/815M and German 415/817M.) Prereq: Permission of the instructor.

417/817M Contemporary French and German Drama (3) Comparative study of selected contemporary French and German plays. Conducted in English with English translations. (Same as French 417/817M and German 417/819M.) Prereq: Permission of the instructor.

818M Mexican American Literature (3) A study of representative works by Mexican-American writers, along with their cultural and historical elements of the Mexican-American experience. Prereq: 3 hours of credit.) Prereq: Permission of the instructor. (Same as Spanish 418/818M.)

419/819M Comparative Studies in French-Anglo-American Literature (3) A comparative study of selected works in French, Anglo-American literature. Conducted in English with English translations. Prereq: Permission of instructor. (Same as French 419/819M.)

822M Middle English Literature (3) A survey of the principal writings in English, excluding those of Chaucer, from the time 1100 to 1500. Prereq: English 422/822M.


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

448/848M The Age of Pope and Swift (3) Poetry, prose, and drama of the eighteenth century. Emphasis on the works of Pope and Swift.

441/841M The Age of Johnson (3) Poetry, prose, and drama of the eighteenth century. Emphasis on the works of Boswell and Johnson.

448/848M Seventeenth Century Literature (3) A study of the English poetry and prose from 1650 to 1660 with emphasis on Milton.
814V Seminar: John Milton (3) Intensive seminar on works of John Milton and investigation of specific critical and scholarly problems. Prereq: Graduate standing or permission of the instructor.

826V Seminar in Middle English Literature (3) Readings in middle English. Prereq: Graduate standing and one course in middle English language or writings. Prereq: Permission of the instructor.

858V Independent Study (3) A study of selected works of Geoffrey Chaucer. Prereq: Graduate standing and one course in middle English language or writings. Prereq: Permission of the instructor.

898V Independent Study (1-3) Guided independent study and research under the supervision of an instructor. May be repeated for credit if written permission of the instructor, admission to candidacy, and no incomplete outstanding.

920V Thesis (1-3) Independent research project written under the supervision of an advisor. Prereq: Graduate standing.

915V English Literature 1780-1830 (3) Studies in the transitions between English literature of the age of Johnson and the age of Wordsworth. Prereq: Graduate standing.

Foreign Languages and Literature

French

415/815M Contemporary French and German Novels (3) Comparative study of selected contemporary French and German novels. Conducted in English with English translations. Additional readings in German for French students. Prereq: Permission of the instructor. (Same as German 415/815M and 415/815M.)

417/817M Contemporary French and German Drama (3) Comparative study of selected contemporary French and German plays. Conducted in English with English translations. Additional readings in French for German students. Prereq: Permission of the instructor. (Same as French 417/817M and 415/815M.)

418/818M Contemporary French and German Literature (1) A study of contemporary French and German literature including the works of the sixteenth and seventeenth centuries. Prereq: Permission of the instructor. (Same as French 417/817M and 415/815M.)

418/818M Pro-Seminar (1-3) Directed study of narrower phases of French literature, language, or culture. Prereq: Permission of instructor.

Spanish

410/810M Theater of the Golden Age (3) Foremost Spanish dramatists and plays of the sixteenth and seventeenth centuries, with emphasis on Lope de Vega, Tirso de Molina, and Calderon de la Barca. Prereq: For 410, Spanish 317 or permission of the instructor.

411/811M Novel of the Golden Age (3) Study of the Spanish novel from the sixteenth and seventeenth centuries. Includes works such as Lope de Vega's "La Celestina," and Don Quijote by Miguel de Cervantes. Prereq: For 411, Spanish 317 or permission of the instructor.

424/824M Spanish American Literature of the Twentieth Century (3) Critical and analytical study of the foremost Spanish American dramatists and novelists in the present. Prereq: Spanish 322 or permission of the instructor.

428/828M Mexican American Literature (3) A study of representative works of Mexican American, Chicano, and Chicana writers, along with their cultural and historical backgrounds. Does not apply toward foreign language requirement. Prereq: Permission of the instructor (same as English 418/818M).

429/829M Spanish American Novel (3) Study of representative novels and novellas of the nineteenth and twentieth centuries, with emphasis on contemporary authors. Prereq: Spanish 322 or permission of the instructor.

434/834M Generation of 1988 (3) Examination of the ideology, techniques, and methods of the major Spanish dramatists of the nineteenth and twentieth centuries. Prereq: Spanish 318 or permission of the instructor.

455/855M Spanish American Short Story (3) Representative works of Spanish American short story writers of the nineteenth and twentieth centuries. From realism to contemporary production. Prereq: Spanish 321 and 322 or permission of the instructor.

455/855M Modern Drama of Spain (3) Ideological, technical, and historical influences of the major Spanish dramatists of the nineteenth and twentieth centuries. Prereq: Spanish 318 or permission of the instructor.

456/856M Modern Novel of Spain (3) Analytical study of the representative Spanish novelists of the nineteenth and twentieth centuries. Prereq: Spanish 318 or permission of the instructor.

458/858M Introduction to Linguistics (3) An introduction to the concepts and methodology of the scientific study of language; includes language description, history, theory, variation, and acquisition as well as semantics, lexicography, and foreign language teaching. Prereq: Junior standing or permission; graduate standing.

459/859M Bibliography and Methodology (1-2) An introduction to the basic bibliography and methodology of Spanish literature and language. Prereq: Permission of instructor.

460/860M Independent Study (1-3) Guided independent study and research under tutorial supervision. May be repeated for different topics but not in same semester for maximum of six semester hours total. Prereq: Permission of instructor.

469/869M Spanish Pro-Seminar (1-3) A detailed study of narrower phases of Spanish literature, language, or culture. Prereq: Permission of instructor.

469/869M Spanish Independent Study (1-3) Guided independent study and research under tutorial supervision. May be repeated for different topics but not in same semester for maximum of six semester hours total. Prereq: Permission of instructor.

469/869M Spanish Pro-Seminar (1-3) Detailed study of narrower phases of Spanish literature, language, or culture. Prereq: Permission of instructor.

General Engineering


493/893M Advanced Mechanics of Materials (3) Stress and strains at points of failure; fatigue; failure analysis. torsion, bending and shear; beam; stress and strength analysis. Prereq: Math 233, Math 235.

495/995M Advanced Fluid Mechanics (3) Ideal and real fluid flow; Eulerian and Langrangian equations of motion; potential theory; confo-

412/M Urban Geography (3) A geography of the city from the viewpoint of history, site, and

1012M Environmental Evaluation (Prereq: Geog. 406 or 410). Emphasis on the assessment of the environ-

108V Applied Elasticity (3) Stresses, strains, hoop stress, plane strain, strain energy, orientation of problems in elasticity, various methods of solutions of

181V Urbanization in Developing Areas (3) The functions and morphology of cities in various regions and countries. Emphasis will be on understanding the

131/M Geomorphology of Manufacturing (3) The significance of different approaches and policies in manufacturing, with special emphasis on the planning of

125V Seminar in Educational Geography (3) A seminar on surveys of methods, instructional aids and

1001V Conservation (3) Emphasis on the history of conservation in the United States. Includes the history of conservation in the United States, the philosophy behind themovement, current conservation practices and problems, and the direction in which resource use and conservation movement are headed. Applications to structures, fluid flow, heat transmission, electromagnetic theory, acoustics and chemical engineering, differential equations and similarity. Prereq: Permission.

111V Topography (3) (Repeatable up to 6 hours) A seminar on surveys of methods, instructional aids and

117. A seminar on surveys of methods, instructional aids and goals of instruction. Designed to aid the teacher in the improvement of geographic in-

120M Urban Geography (3) The significance of differences from place to place, between

123M Environmental Remote Sensing (3) Analysis of various sensor systems ranging from

487V Cartographic Methods (3) Teaches the student the use of drawing instruments, effec-

113V Environmental Remote Sensing (3) A seminar on surveys of methods, instructional aids and

109V Conservation (3) Emphasis on the history of conservation in the United States. Includes the history of conservation in the United States, the philosophy behind themovement, current conservation practices and problems, and the direction in which resource use and conservation movement are headed. Applications to structures, fluid flow, heat transmission, electromagnetic theory, acoustics and chemical engineering, differential equations and similarity. Prereq: Permission.

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115. A seminar on surveys of methods, instructional aids and goals of instruction. Designed to aid the teacher in the improvement of geographic in-
Gerontology

419/813M Educational Gerontology (3) An introduction to the field of education for and about older persons. The purposes and principles of education will be analyzed to determine their relationship to the older person. Pre-req: Six hours Gerontology or permission.

411/811M Applied Social Gerontology (3) An introduction to social gerontology with a special emphasis upon the efforts of aging on social institutions, the role of the elderly in society, and on examination of practice-oriented implications. Prereq: Nine hours of Sociology. (Same as Sociology 411)

385M Issues in Aging (3) This course is intended for students in Gerontology and in other fields who are interested in a humanistic approach to the social and psychological implications of aging. Prereq: Graduate standing.

446/846M Gerontological Counseling Skills in Aging (3) This course is intended to help develop basic counseling skills for use in Gerontology practice. Prereq: Permission of instructor.

412/812M Administrative Gerontology (3) An interdisciplinary development of the impact of aging upon individuals and society, including the subsequent reaction of the society to aging, with particular emphasis given to changes during the last half of the life cycle (45 years). Both theoretical and programmatic implications of aging research are considered. (Same as Sociology 312V) Prereq: 9 hrs. of Gerontology or permission.

Health, Physical Education and Recreation

General HPER

380V Special Studies (1-3) A series of intensive courses scheduled as regular seminars, workshops, according to purpose. Prereq: Permission of department.

383Y Research in Health, Physical Education and Recreation (3) An introduction to the nature of research in the field of physical education and recreation. Research activity will be given to reading, evaluating, conducting and writing research research in classroom situations. Basic statistical techniques will be covered. Prereq: Graduate student in HPER.

389Y Research Project (1-3) Individual or group research in the field of health, physical education or recreation. Prereq: Permission of instructor.

399Y Directed Independent Research Project written under the supervision of an adviser. Prereq: Permission.

Health Education

494/894M Practicum (0-6) This course provides the opportunity to students to experience in the field of gerontology, to gain an understanding of the psychological, sociological, and cultural aspects of human sexuality. The course is designed to be interdisciplinary in nature, providing the biological, behavioral and cultural aspects of human sexuality. Priority will be given to students from the biology background, with the permission of the instructor. Other related disciplines must have permission of the instructor.

383V Alcohol Education for School Personnel (3) A study of the problems associated with alcohol consumption in the classroom. The patterns and trends of use, theories of dependence, pharmacological aspects and health consequences are explored. Emphasis will be upon the identification of students with alcohol related problems and the methods of intervention. Qualifying prevention, education, intervention and referral. This course is designed primarily for public school personnel.

Physical Education

382V 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.

385V Sport in American Culture (3) The course is a study of sport and the ways in which it influences people in America.

386V Supervision of Physical Education (3) Counseling techniques for the supervision of students for use by supervising teachers and the construction and supervision of programs in physical education.

388V Curriculum in Physical Education (3) A study of the foundations for curriculum development and the influences of changes in society on curriculum development. Priority will be given to students from the field of recreation and those in the health field.

389V Analysis of Research and Literature in Human Movement (3) Survey of research and literature in the field of physical education. Includes an appreciation of writings in the field.

380V Research Project (1-3) Individual or group research in the field of physical education or recreation. Prereq: Permission of instructor.

399V Directed Independent Research Project written under the supervision of an adviser. Prereq: Permission.

393V Research Topics (3) An in-depth view of the major physiological systems of the human body and their behavior in health and disease conditions. (Same as HED 455)

395V /895M Gerontological Counseling (3) To become familiar with the psychology of aging from a research perspective. The focus will be on the individual rather than the institution, school, classroom, adolescent, or young-adult years. The topics integrate research in psychology, sociology, and social work.

867M Programs and Services for the Aging (3) This course is provided to give the student an overview of programs of gerontology. The student will examine the national policy process as it relates to the field and will study and review the principles and practices relative to the existing national programs for the aged. Prereq: 3 hrs. Gerontology.

492/892M Special Studies in Gerontology (1-3) Specialized classes study the aging process and needs of the individual student in such areas as the psychology, sociology, economics, or political science, as well as operation of various service systems. The studies may be either a literature survey or a field project that the student and instructor design.

492/892M Special Studies in Gerontology (1-3) Specialized classes study the aging process and needs of the individual student in such areas as the psychology, sociology, economics, or political science, as well as operation of various service systems. The studies may be either a literature survey or a field project that the student and instructor design.

492/892M Special Studies in Gerontology (1-3) Specialized classes study the aging process and needs of the individual student in such areas as the psychology, sociology, economics, or political science, as well as operation of various service systems. The studies may be either a literature survey or a field project that the student and instructor design.
The trans-Mississippi west from or permission of the instructor. (3) A study of the economic, political, and social developments of the period extending roughly from the nationalist period to the middle of the nineteenth century, including the study of federalism and the emergence of sectionalism. Prereq: For 414, junior standing or permission of the instructor.

416/816M American Urban History Since 1870 (3) An introduction to the study of urbanization as a significant topic in American thought and society. Prereq: For 411, junior standing or permission of the instructor.

418/818M American Social and Intellectual History Since 1865 (3) Primarily a non-political approach to American history, examining significant topics in American thought and society. Prereq: For 411, junior standing or permission of the instructor.

419/819M The Age of Transcendentalism (3) An introduction to the study of the intellectual and cultural movements that led to the revolution and an examination of the economic, social, and political problems of the emerging nation. Prereq: For 413, junior standing or permission of the instruction.

420/820M The Era of the Reformation (3) An introduction to the study of the intellectual and cultural movements that led to the revolution and an examination of the economic, social, and political problems of the emerging nation. Prereq: For 413, junior standing or permission of the instructor.

421/821M The Age of Enlightenment (3) A study of the intellectual and cultural movements that led to the revolution and an examination of the economic, social, and political problems of the emerging nation. Prereq: For 411, junior standing or permission of the instructor.

422/822M American Social and Intellectual History Since 1865 (3) Primarily a non-political approach to American history, examining significant topics in American thought and society. Prereq: For 411, junior standing or permission of the instructor.

423/823M Constitutional History of The United States to 1860 (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 424, junior standing or permission of the instructor.

424/824M The Emergence of Modern America: 1776-1890 (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 424, junior standing or permission of the instructor.

425/825M Intellectual History of Modern Europe: From the Eighteenth Century to the Present (3) A study of the intellectual and cultural movements that led to the American Revolution and the Constitution. Prereq: For 425, junior standing or permission of the instructor.

427/827M Twentieth Century America to 1932 (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 424, junior standing or permission of the instructor.

428/828M Twentieth Century America Since 1932 (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 428, junior standing or permission of the instructor.

432/832M European History Since 1870 (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 432, junior standing or permission of the instructor.

434/834M Constitutional History of The United States Since 1860 (3) A history of constitutional theory and practice since 1860. Prereq: For 433, junior standing or permission of the instructor.

435/835M The Age of Absolutism: The Emergence of New Power and Political Authority in the European Contention after the Religious Wars of the sixteenth century with an emphasis upon the political, military, and cultural developments that led to the French hegemony and the secularization of European political and professional culture. Prereq: For 434, junior standing or permission of the instructor.

436/836M The Age of Enlightenment (3) An examination of the intellectual and cultural movements that led to the American Revolution and the Constitution. Prereq: For 435, junior standing or permission of the instructor.

437/837M Modern Europe: The Age of Revolution (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 436, junior standing or permission of the instructor.

438/838M The Modern World: 1918-1985 (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 437, junior standing or permission of the instructor.

440/840M The Global Age in the Global Age: 1932 to the Present (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 438, junior standing or permission of the instructor.

441/841M Comparative Imperialism (3) A study of the political, social, and economic developments that led to the American Revolution and the Constitution. Prereq: For 440, junior standing or permission of the instructor.
832M Economic History of the Western World to 1800 (3) This course discusses the evolution of capitalism and capitalist forms of the economy, the processes of the late sixteenth century, political economy, and the industrialization of the Western World. In addition, attention will be given to related demographic, social, institutional, and intellectual developments. Prereq: Graduate standing.

834M Economic History of the Western World Since 1800 (3) This course discusses capitalism, and its general acceptance in the western world and those modifications and criticisms which have emerged over the past century and a quarter. In addition, attention is given to the relations among the advanced industrial nations and between the less developed nations. Appropriate related demographic, social, institutional, and intellectual developments are also presented. Prereq: Graduate standing.

891V Advanced Research Project in History (1,1,5) Special problems in advanced research in history, arranged individually with graduate advisor. 803V Historical Research and Organization of Facts; the Problems of Collecting and Organizing (3) Principles and techniques of implementation of information systems. Prereq: CS 312.

Food and Nutrition
455/855 Cultural Aspects of Diet (3) Cultural analysis of the diet of various populations. Prereq: Food Science 495 or 893. (3) The analysis and composition of advanced programs used with contemporary computers. 

Human Development and The Family
455/855 Nutrition Throughout the Life Cycle (3) Influence of physiological stress throughout the life span including pregnancy, lactation, and aging. Prereq: Food Science 495 or 893. (3) Parent Education With Field Experience (3) Review of literature relative to the role of parents in America and to programs in parent education. Prereq: Food Science 495 or 893. (3) Parent Education With Field Experience (3) Review of literature relative to the role of parents in America and to programs in parent education. Prereq: Food Science 495 or 893. (3) Parent Education With Field Experience (3) Review of literature relative to the role of parents in America and to programs in parent education. Prereq: Food Science 495 or 893. (3) Parent Education With Field Experience (3) Review of literature relative to the role of parents in America and to programs in parent education. Prereq: Food Science 495 or 893.
360/860M Tensor Analysis (2) A review of vector
analysis, study of bios and space tensors, and
applications. Prereq: Math 201 or permission of the instructor. Prereq: Math 211 or equivalent.

460/860M Tensor Analysis (2) A review of vector
analysis, study of bios and space tensors, and
applications. Prereq: Math 201 or permission of the instructor. Prereq: Math 211 or equivalent.

141/412/811M-812M Abstract Algebra (Each 3) An advanced undergraduate (beginning gradu­
date) course in abstract algebra to include:
Graded groups and the Sylow theorems, rings and ide­
als, fields and Galois theory. Prereq: Math 371 or permission required for Math 811M: Math 301 and Math 811M required for Math 812M.

423/823M Mathematical Analysis (3) Provides
a theoretical foundation for the concepts of ele­
mentary calculus. Topics include the real num­
ber system, topology of the real line, limits; functions of one variable; continuity, differen­
tiation, integration. Prereq: Math 191 and 201
and at least one 300-level math course.

424/824M Mathematical Analysis II (3) Pro­
vides a theoretical foundation for the concepts of elementary calculus. Topics include functions of several variables: continuity, partial differen­
tiation, multiple integration; infinite series; power series; uniform convergence; improper integrals. Prereq: Math 205, Math 823M or equivalent.

425/825M Complex Variables (3) Differentia­
tions, integration and power series expansions of analytic functions, conformal mapping, residue calculus and applications; analytic continu­
ation, singularities and representations of ana­
ltic functions. Prereq: Math 423 or advanced calculus.

429/829M Theory of Ordinary Differential Equations (3) Vector spaces, existence and uniqueness theorems, systems of linear equa­
tions, first order linear boundary problems. Prereq: Math 423 and 425, and an appropriate linear algebra course.

430/830M Operational Mathematics (3) La­
place transform and properties, applications, in­

441/841M Introduction to The Foundations of
(Logic, the axiomatic method, properties of axiom systems, set theory, cardinal and ordinal number systems, metamodeling, construc­
tion of the real number system, historical develop­
ment of the subject, new developments in mathematics, recent developments. Prereq. For 441, senior standing.

451/851M Theory of Numbers (3) Congru­
ces, quadratic reciprocity, Diophantine equa­
tions, factorials, permutations, combinations, and prime number distribution. Prereq: At least one math course numbered 300 or above.

464/864M Probability and Statistics I (3) Prob­
ability models, discrete and continuous. Prereq: Math 197 and at least one math course numbered 300 or above.

454/854M Probability and Statistics II (3) Point estimation, confidence, testing of sta­
tistical hypotheses. Prereq: Math 853M or equivalent required for Math 854M.

490V Graduate Seminar (1-3) A graduate semi­
inar in mathematics.

593/893M Independent Graduate Studies (3) Under this number a graduate student may pursue studies that are not normally available to him in a formal course. The topics studies or required for Math 811M: Math 301 and Math 811M required for Math 812M.


537/837M Functions of Real Variables (Each 3) The real number system, general topological types, convergence, continuity, semicontinuity, bounded variation, differentiation, Lebesgue-Stieltjes integration, abstract measure theory. Prereq: Math 423-424/823-824 or advanced calculus. 923 needed for 924, 923 to be offered in the fall of odd-numbered years, 924 to be offered in the spring of even-numbered years.

568/868V Actuarial Analysis (Each 3) Semester
(1) Normal linear spaces, and operations. Semester II: Spectral theory, reflexive Banach spaces, Hilbert spaces, self­
adjoint operators. Prereq: Math 427 and two 400-level mathematics courses one of which must be Math 862V or 923.

Statistics

603J Statistical Methods I (3) Distributions, in­
 المؤتمر, sampling and population, sample, the normal dis­
tribution, estimation, confidence intervals, variance statistics. Prereq: Statistics 8001 or equiva­
lent.

611V Statistical Methods II (3) Regression and corre­
correlation, analysis of covariance, use of computer-aided systems, matrix theory, marginal and related analysis. Prereq: Statistics 603J or equivalent.

620V Differential Geometry (3) Differential geomet­

625V Applied Complex Variables (3) An intro­
duction to the theory of analytic functions, complex vari­
able functions, and boundary value problems. Prereq: Math 423 and 421 or equivalent.

627V Fourier Analysis (3) Fourier analysis, fourier series, and partial differential equations. Prereq: Math 620V or 625V.

630V Clockmaking (1-3) Watch and clock con­
temporary: historical aspects, clock making, clock­
working toward it. or permission of instructor.

654M Renaissance and Baroque Music Litera­
ture (3) Study of representative compositions of the Renaissance and Baroque periods. Written project. Prereq: 6 hrs. of undergraduate music history and permission.

650V Philosophy of Mind (3) A discussion of various accounts of the nature of minds which focuses upon the central problems of the three main perspectives such as whether the mind is identical with the brain, the extent of similarities between human minds and animals, the nature of human identity, and the relationship of mental activity to behavior. Prereq: Philosophy of Science.

Physics

301/801J Elements of Electrodynamics (3) The back­
ground of theory, operation, and practice of electronic circuits particularly as they apply to scientific instrumentation. Vector and solid state and vacuum tube principles and cir­
I 805V Seminar in Communication Theory (3) Analysis of current approaches to the study of communication with emphasis on theoretical models and their application to social, political, and personal interests. Prereq: Psychology 212 or permission of instructor. (Same as Speech 850v). 851V Advanced Educational Psychology (3) A study of the principles of educational psychology and their applications to problems of contemporary education, particularly to those problems existing in the classroom. Prereq: Psychology 351. 853V Individual Tests I (3) Administration, scoring, standardization, and interpretation of individually administered tests with special emphasis upon intelligence testing. Prereq: 16 graduate hours of psychology including completion of all required courses for the master's degree and Psychology 431/831 or 832 and admission to either psychological assistant or school psychologist program. 854V Individual Tests II (3) Administration, scoring, standardization, and interpretation of individually administered tests with special emphasis upon intelligence testing. Prereq: 16 graduate hours of psychology including completion of all required courses for the master's degree and Psychology 431/831 or 832 and admission to either psychological assistant or school psychologist program. 855V Introduction to Psychometric Techniques With Children (3) The purpose of this course is to become familiar with play therapy, techniques for enhancing the adjustment and learning of children. The history and methods of the research with play therapy will be considered. Prereq: Permission of instructor. 856V Learning in Children (3) A course dealing with learning in infants, children, and adolescents. Emphasizes the purpose, nature, and mechanism of learning in children. Prereq: Psychology 311 or permission of instructor. (Same as Psychology 312). 858V Seminar in Social Psychology (3-6) As signment of discussion topics selected from the major areas of social psychology. Open to students in social science and professional fields. Prereq: Permission of instructor. 458/858M Genetic Psychology (3) This course considers the psychology of aging. The focus will be on the elderly in the middle years to later years rather than the infant, pre-school, adolescent, and young-adult years. Prereq: Nine hours of psychology and graduate standing and permission of the instructor. (Same as Sociology 458, Psychology 458M, 858, 885M). 459/859M Psychology of Exceptional Children (3) A study of the special problems of children with visual, auditory, or neurological impairments, orthopedic anomalies, intellectual retardation, sensory impairments, physical disabilities and cultural deprivation; and the behavioral relationships of parents, professionals, and others to these children. Prereq: Psychology 343 or 351. 461/861M Engineering Psychology (3) The methods of experimental psychology used to relate problems to design criteria for optimum human use. Prereq: Psychology 101 and permission of instructor. 463/863M Techniques of Programmed Instruction (3) An introduction to methods and technology in construction and use of teaching machines and programs, with special emphasis on computer assisted instruction. Prereq: Psychology 101 and permission of instructor. 860V Seminar in Research Methods (4) A required core course for graduate students in psychology. Intended to familiarize the beginning graduate student with the professional role of psychology including such topics as ethics, professional responsibility, research, problem formulation, and execution, the use of reference materials, research design and statistics, and other relevant materials. 865V Seminar in Social Psychology (3-6) Assignment of discussion topics selected from the major areas of social psychology. Open to students in social science and professional fields. Prereq: Permission of instructor. 865V Seminar in Social Psychology (3-6) Assignment of discussion topics selected from the major areas of social psychology. Open to students in social science and professional fields. Prereq: Permission of instructor. 865V Seminar in Social Psychology (3-6) Assignment of discussion topics selected from the major areas of social psychology. Open to students in social science and professional fields. Prereq: Permission of instructor. 865V Seminar in Social Psychology (3-6) Assignment of discussion topics selected from the major areas of social psychology. Open to students in social science and professional fields. Prereq: Permission of instructor.
course. All students will be expected to design and conduct a mini-observational study in the area of social and personality development.

906 Psychology of Women (3) A course providing comprehensive coverage of psychological theory and research in psychology and related disciplines with the methodology, literature, and statistical skills required to investigate the influence of sex on behavior. Prereq: Psy 543 or Psy 940 or permission of instructor.

907 Personality and Prediction (4) This course is intended for advanced graduate students in psychology and related disciplines with the methodology, literature, and statistical skills required to investigate the influence of sex on behavior. Prereq: Psy 543 or Psy 940 or permission of instructor.

910 Precision analysis of Variance (3) A course providing a theoretical and practical understanding of inferential statistics emphasizing the analysis of variance. Prereq: Permission of instructor.

911 Precision Multiple Regression and Factor Analysis (3) A course providing an understanding of the advanced statistical models, methods and problems, multiple correlation, multivariate factor analysis. Prereq: Permission of instructor.

921 Precision: Perception (3) A comprehensive and intensive coverage of topics related to perception and attention. Prereq: Permission of instructor.

923 Precision: Psychological Learning (3) A systematic study of the psychological processes underlying behavior. Prereq: Permission of instructor.

929 Seminar in Developmental Psychology (3) A theoretical and critical analysis of the nature of neuro- and other physiological changes correlated with and contributing to developmental processes in infra-human and human methodologies. Prereq: Completion of the psychology precision seminar or equivalent and permission of instructor.

936 Seminar in Applications of Non-Verbal Communication (3) An analysis of non-verbal interaction with specific application to education, business, supervision, and personality. Prereq: Permission of instructor. Corequisite: MATH 110.

941 Seminar in Group Communication (3) Research and theory in the psychology of small group communication and leadership; research related to social interaction. Prereq: Permission of instructor. Prereq: Communication 300 or equivalent.

943 Seminar in Social Psychology (3) An advanced seminar in social psychology emphasizing research on the development, facilitation and control of behavior. Prereq: Permission of instructor.

944 Seminar in Personality (3) A course discussing the personality variables that control behavior. Prereq: Permission of instructor.

945 Experimental Social Psychology (4) Acquisition of basic research skills and a working understanding of key philosophical and methodological issues in social studies, either by oneself or as a part of a small group. Prereq: Psy 940 or 910 or permission.

946 Personality and Prediction (4) This course is intended for advanced graduate students in psychology and related disciplines with the methodology, literature, and statistical skills required to investigate the influence of sex on behavior. Prereq: Psy 543 or Psy 940 or permission of instructor.

947 Personality and Prediction (4) This course is intended for advanced graduate students in psychology and related disciplines with the methodology, literature, and statistical skills required to investigate the influence of sex on behavior. Prereq: Psy 543 or Psy 940 or permission of instructor.

948 Seminar in Developmental Psychology (3) A comprehensive and intensive coverage of topics related to personality and social development. Prereq: Permission of instructor.

949 Seminar in Psycholinguistics (3) A course providing a theoretical and practical understanding of the theory and application of psycholinguistics. Prereq: Permission of instructor.

950 Seminar in Industrial/Organizational Psychology (3) A faculty-supervised experience in an educational activity involving empirical or library work and oral or written reports. Prereq: Written permission of the department.

951 Practicum in Industrial Psychology (1-6) A faculty-supervised experience in an educational activity designed to bridge the gap between the classroom and a job, emphasizing use of previous acquire knowledge in dealing with practical problems. Prereq: Written permission of your practicum committee.

952 Practicum in Educational Psychology (1-6) A faculty-supervised experience in an educational activity designed to bridge the gap between the classroom and a job, emphasizing use of previous knowledge in dealing with practical problems. Prereq: Written permission of your practicum committee.

953 Seminar: Psychology of Motivation (3) A topic area within the field of motivation will be explored each semester. The specific topic area will be selected to coincide with that of the Nebraska symposium on motivation. Students enrolled in the course will be expected to attend the symposium which is held in Lincoln, Prereq: Graduate standing or permission of instructor.

954 Practicum in Learning (3) A comprehensive and intensive coverage of the experimental literature on learning with an emphasis on the specific topics covered in the course. Prereq: Permission of instructor.

957 Seminar in Applied Behavior Analysis (3) A comprehensive introduction to experimental behavior analysis. Topics covered include observational recording systems, reliability indices, procedural implementation of behavioral techniques, single-subject research designs, and a broad review of the research literature in behavioral analysis. Prereq: Completion of one course in learning theory (Psy 550, 555, 556, 557, 558, or equivalent) and permission.

958 Personality Assessment (3) A course dealing with the various techniques for the measurement of personality characteristics and intended for advanced graduate students in psychology who are engaged in a program of studies leading to a degree in psychology. Prereq: Psy 957 or permission.

959 Seminar in Developmental Psychology (3) Faculty and student presentations organized around one of the following three major subfields of psychology: (1) Social and personality development. (2) Developmental and cognitive psychology. (3) Cognitive growth and development. Prereq: Permission of instructor.

960 Alcoholism and the Family (A) A review of the theoretical and research literature on alcoholism within the context of the family. The specific focus in this course is those areas of alcoholism which relate to the family development. Such issues as genetic aspects of alcoholism, effects of pregnancy, socialization practices in an alcoholic family, and child and adolescent development are covered. Prereq: Permission.

961 Seminar in Industrial/Organizational Psychology (3) A faculty-supervised experience in an educational activity designed to bridge the gap between the classroom and a job, emphasizing use of previously acquired knowledge in dealing with practical problems. Prereq: Permission of instructor.

962 Practicum in Organizational Behavior (1-6) A faculty-supervised experience in an educational activity designed to bridge the gap between the classroom and a job, emphasizing use of previously acquired knowledge in dealing with practical problems. Prereq: Permission of instructor.

970 Research Other Than Thesis (1-12) Research work under the direction of a faculty member. May be repeated up to a maximum total of 9 credit hours. Prereq: Enrollment in a graduate program beyond the master's level and permission of the department.

991 Practicum in School Psychology (1-6) A faculty-supervised experience in an educational activity designed to bridge the gap between the classroom and a job, emphasizing use of previously acquired knowledge in dealing with practical problems. Prereq: Permission of instructor. (Same as Psychology 991.)
### 845V Seminar in Secondary/Post-Secondary Education

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>480/880M Principles of Vocational Education (3)</td>
<td>A study of the basic philosophy underlying vocational education and its principles and practices in various fields. F,Su</td>
</tr>
<tr>
<td>482/882M Literature for the Adolescent (3)</td>
<td>This course is designed to assist students in understanding the problems of adolescence, reading and viewing habits and interests. Factors which affect good reading, good posture, and comprehension of format, will be examined. Cross-listed with Li 482. Prereq: For 882M, permission of college.</td>
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</table>

### 851V Research in Public Administration (1-3) A seminar on selected topics based upon special needs of the student in selected options. Normally taught by outstanding teachers in the field. Prereq: Graduate standing, permission of instructor, prior course work and/ or experience in the topical area. |

### 856V Seminar in Small Business Administration (3) A study of the economic, social and political determinants of the public policy in terms of administration and decision making and of measuring and evaluating policy impact. The course includes study of general policy processes and, to a lesser extent, specific policy topics. Prereq: Permission of graduate advisor. |

### 866V Seminar in Personnel Administration (3) A study of the theory and practice of personnel management in public agencies. Development of interpersonal skills in dealing with organizational problems is stressed. Prereq: Permission of graduate advisor. |
852V Foundations in Business Education (3) De-

1fined business education and

search, mathematics supervision, and

standing of business education; to identify and

signed to develop a deeper and broader under-

855V 

98 UNIVERSITY OF NEBRASKA AT OMAHA

prise better informed about the recently devel-

ments, curriculum planning and evaluation, re-

sion and treatment of one or more localized sci-

strategies, the laboratory, and instructional ma-

sizing research, newly developed science

education including curricula,

education departments. The course will describe

HV Urnpro,ement 

Science 

Trends in business education.

(3) Designed for teachers of business edu-

Vocational

(3) A course designed for

SW 854. 

praticum for social work practice. Prereq: SW 816, concurrent with or sub-

SW 812, 814. 

Micro Practice Courses

820 Micro Intervention I (3) To provide the stu-

ent with knowledge of theories and techniques in

program which are used in working with

families and small groups. Prereq: BA, Social work major, SW 817, or per-

Micro Intervention II (3) To provide the stu-

ent with knowledge of theories and practice in

with working with individuals, families and small groups with emphasis on particular settings

such as rural mental health clinics, schools, and family service agencies. Prereq: SW 820 or per-

262 The Family as the Client (3) The family is con-

sidered as a system of social work interven-

several theories of family interaction are

considered as a system of social work interven-

work in small groups.

Practicum Courses

480 Advanced Social Work Practicum I (3-4) To provide personalized professional experience in

Social Work and the Law (2) An ex-

amination of some of the legal aspects of select-

ed social welfare policies and practices. Prereq: SW 817 or equivalent, SW 820 or SW 850/852/854.

470 Alcohol Abuse: Comprehensive Treatment Programs (3) An examination of problems and processes related to alcoholism and legal issues, as a common in a social work setting. Special emphasis is given to detection, assessment, treatment, and outcomes.

480/880M Social Work in Mental Health (3) This course is an elective for the advanced student who is seeking substantial social work knowledge in current social work practice in mental health and related areas. Prereq: Students in MSW program or permission.

486 Social Work in Children's Welfare (3) The course is designed to provide the student with a deeper understanding of the practice of social work within the family setting.

899 Internship

SW 817 or equivalent, SW 820 or SW 850/852/854.

480 Advanced Social Work Practicum II (3-4) To provide personalized professional experience in social work practice. Prereq: SW 817 or equivalent, SW 820 or SW 850/852/854.

481 Advanced Social Work Practicum II (3-4) To provide personalized professional experience in social work practice. Prereq: SW 817 or equivalent, SW 820 or SW 850/852/854.

482 Advanced Social Work Practicum III (3-4) To provide personalized professional experience in social work practice. Prereq: SW 817 or equivalent, SW 820 or SW 850/852/854.

484 Social Work Practice III (Macro) (2) This is an advanced course for graduate students who are interested in the use of micro and macro social work practice skills. Prereq: SW 841.

Macro Practice Courses


888 Topical Seminar in Social Work (2-4) Advanced topics and experiences in social work practice. Prereq: SW 880 or equivalent.

Special Studies and Social Welfare Research Courses

889 Special Studies In Social Welfare (1-3) Special studies in a selected area of social welfare for deepening the student's knowledge in that particular area. Prereq: Permission.
892 Seminar in Utilization of Research in Social Work

Prereq: SW 409 or equivalent, or permission.

894 Research Other Than Thesis

Students are allowed to design projects to pursue individual interests in various aspects of anthropology. Not open to anyone who has taken an equivalent, SW 809 or equivalent, or permission.

899 Master's Thesis

Students not carrying their programs must carry the thesis in order to graduate. Permission of the instructor.

Under the supervision of the instructor, the thesis will be completed as a major research project. Permission of the instructor.

820/820M Social Control of Behavior

This seminar is designed as an introductory approach to the processes of growth and change within unstable and transitory groups including both theoretical and applied scientific methods. Prereq: For 421, Sociology 101 or 403, and 301. For 820M, permission of the instructor.

833/833M Advanced Sociological Methodology

Prereq: Sociology 101 and 201. Advanced research methods, theory-building strategies, research design and data analysis. Prereq: Sociology 101 or 403, and 301. For 833M, permission of the instructor.

411/411M The Community

A basic course in community sociology. Sociological theory and methodology are applied to current and recent studies. Prereq: Junior standing. For 411M, permission of the instructor.

412/412M North American Anthropology

An introduction to the Native American peoples as part of a whole, the American Indian culture history in North America, with emphasis on the peopling of the Americas, origin and development of the world, agriculture, development of middle American civilizations, and their impact on core areas of village-farming in the continental United States. Introduce to sociological anthropological theory and practice. Prereq: 101 or 421. For 412M, permission of the instructor.

421/421M Anthropological Methodology

A study of the various issues and methodology of social research. Prereq: Permission of the instructor. Not open to anyone who has taken an equivalent, 422 or equivalent, or permission.

422/422M Psycholinguistics

A discussion of the relationship between language and social psychological variables as perception, learning, memory, and social cognition. Prereq: Permission of the instructor. Not open to anyone who has taken an equivalent, 421 or equivalent, or permission.

413/413M Sociological Theory

Prereq: Junior standing or equivalent. A systematic examination of contemporary sociological theory and social problems. Prereq: 421 or 422, permission of the instructor.

414/414M Social Psychology

A study of social psychological techniques, urbanization processes, the diversity of metropolitan communi ties, urbanization, metropolitan growth, urban neighborhoods, community power and urban planning. Prereq: Permission of instructor.

415/415M Social Problems

Prereq: 411 or equivalent. A discussion of the theories and the role of the sociologist in the solution of social problems. Prereq: 411 or equivalent. Not open to anyone who has taken an equivalent, 412 or equivalent, or permission.
850V Seminar in Research Methods (3-6) A complete research project carried out under the supervision of an instructor particularly qualified in the area. Students participate in the background work, question formulation, selection of a test of interest in the available test materials, data gathering by methods such as interviewing, record examination, and analysis. As seminar topic changes, this course may be repeated in a student's program without implying duplication. Prereq: Permission.

855V Seminar in The Sociology of Religion (3-6) A seminar dealing with a religion as a cultural and social institution. The study theme varies from time to time in keeping with the special interests of the instructor. As seminar topic changes, this course may be repeated in a student's program without implying duplication. Prereq: Permission.

860V Seminar in Social Organization (3-6) Assignment of special readings, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in social organization selected by the instructor. As seminar topic changes, this course may be repeated in a student's program without implying duplication. Prereq: Permission.

871V Seminar on Occupations & Professions (3-6) Current readings in the sociology of occupations and professions. Questions relating to theory, ideas, problems, and practical application are a basis for discussion. Prereq: Graduate and permission of the instructor.

872V Seminar in Sociological Theory (3-6) Assignment of special readings, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in sociological theory selected by the instructor. As seminar topic changes, this course may be repeated in a student's program without implying duplication. Prereq: Permission.

875V Population Seminar (3) The significance of differences from place to place in the number, kind, and density of human inhabitants and changes through time. Prereq: Graduate standing and permission of instructor. (Same as Geography 475)

885V Independent Study in Topics On Urbanism (1-3) A student-initiated research on an area of importance to urban sociology under faculty supervision in topics pertinent to urbanism. Prereq: Undergraduate major in the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under economics, geography, political science, and psychology.)

886V-887V Seminar in Urban Economics (3-6) An examination of the theoretical basis for the urban problem with emphasis upon the policy alternatives applicable to immediate urban problems. May be repeated for credit. Prereq: At least 6 hours of upper division economics. Prereq: Permission of the instructor. (Same as Geography 886V-887V and Economics 887V-888V)

895-896V Practicum in Applied Sociology (Each 3) A practical experience which provides opportunity for applying principles from the student's academic area of concentration. Prereq: Graduate sociology major for the M.S. Degree. 899 Thesis (1-6) A student’s research and writing leading to the writing and presentation of a paper applicable to a general topic in sociology selected by the instructor. As seminar topic changes, this course may be repeated in a student's program without implying duplication. Prereq: Permission.

421/422M Reading Diagnosis and Remediation for The Elementary Classroom Teacher (3) This course teachers the techniques for elementary students, emphasis on reading remediation. Prereq: For 421, education 330 or permission of the instructor. (F,ST)

423/424M History, Education, Guidance of Deaf (2) An introduction to the problem of deafness and the education of the deaf, historical developments in educational and social problems associated with impaired hearing, current theoretical approaches to educational and vocational rehabilitation of deaf individuals. For students beginning college, junior standing and recommendation for the area of deafness. Prereq: FED 801.

423/424M Speech Reading and Auditory Training (2) An investigation of the receptive modes of oral communication employed by and for the hearing impaired, the processes employed in perceiving language through speech reading, the limitations to speech reading factors affecting speech reading efficiency, and the prominent methods of teaching speech reading to the hearing impaired. Prereq: FED 801.

433/434M Speech Reading and Auditory Training (2) An investigation of the receptive modes of oral communication employed by and for the hearing impaired, the processes employed in perceiving language through speech reading, the limitations to speech reading factors affecting speech reading efficiency, and the prominent methods of teaching speech reading to the hearing impaired. Prereq: FED 801.

433/434M Speech Reading and Auditory Training (2) An investigation of the receptive modes of oral communication employed by and for the hearing impaired, the processes employed in perceiving language through speech reading, the limitations to speech reading factors affecting speech reading efficiency, and the prominent methods of teaching speech reading to the hearing impaired. Prereq: FED 801.

464/465M Methods and Materials for Teaching Mentally Retarded Children (3) The retarded child as he relates to a variety of educational processes designed for his learning needs: methodology and teaching materials, practice in the design and testing of individual programs for the trainable mentally retarded child through vocational selection of programs for the trainable mentally retarded. Prereq: For 464, junior standing, teacher education and 2.5 GPA. (F,S,Su)

466/467M Introduction to Mental Retardation (3) This modular course compiles a body of research on background information on mental retardation; the needs of and services available for the mentally retarded; the educational and vocational programs for students with mental retardation; the history of the field and the status of and trends in the field of mental retardation. Prereq: For 466, junior standing, teacher education and 2.5 GPA. (F,S,Su)

468/469M Curriculum Planning for The Disabled (3) This is a module course which is part of a core course where students study the terminology of curriculum, its goals and aims, objectives and assessment, teaching methods, evaluation, and test construction, and a final test make up the evaluation procedures. Prereq: For 468, junior standing and 2 hours experience with handicapped children. (F,S,Su)

468/469M Methods and Materials for Teaching Mentally Retarded Children (3) The retarded child as he relates to a variety of educational processes designed for his learning needs: methodology and teaching materials, practice in the design and testing of individual programs for the trainable mentally retarded child through vocational selection of programs for the trainable mentally retarded. Prereq: For 464, junior standing, teacher education and 2.5 GPA. (F,S,Su)
tion, Special Education 306 and Special Education 460, and 2.5 GPA.

475/875M Childhood Language Disorders (3) This course is designed to cover the various problems involved in language acquisition in children. Special emphasis is placed on the various methodological techniques of teaching language to exceptional children. Prereq: For 475, Special Education 306; for Special Education 368 and 2.5 GPA. (F,Su)

480/880M 475/875M 486V Interdisciplinary Approaches to Developmental Disabilities: An overview of their role in working with the developmentally disabled child. Prereq: for 481, Junior standing and student teaching experience of 840M. (F) Prereq: Pered for 481, Junior and standing teaching experience of 840M, graduate standing. (S)

485/885M Introduction to the Physically Handicapped (3) Nature and educational needs of the physically handicapped are discussed. Emphasis is placed on definitions; prevalence and type of disabilities; causes and etiology; medical management; psychological considerations; identification audiometry, and equipment for speech-language assistance will be considered. Prereq: Pered SPED 437.

850V Basic Clinical Practicum in Speech Pathology (3) A course for advanced students in speech pathology which will provide the student with an opportunity to apply clinical training principles to the speech pathology environment. Prereq: 451 and pass SPED 437. (F, S, Su) Prereq: Permission.

851V Advanced Clinical Practicum in Speech Pathology (3) An in-depth examination of the specific problems and techniques in the diagnosis and treatment of a specific disorder. Prereq: 850V. (F, S, Su) Prereq: Permission.

852V Advanced Clinical Practicum in Speech Pathology (3) This course is intended for graduate students majoring in speech pathology to present information pertinent to clinical certification of the speech pathologist. The course content includes specialized techniques applicable to the assessment and diagnosis of auditory dysfunction. Application of basic hearing techniques combined with special tests for assessment of age of lesion will be stressed. Emphasis will be placed on case histories, etiological considerations, identification audiometry, and equipment for application will be considered. Prereq: Pered SPED 437.

853V Current Practices in Speech Pathology (3) A course for advanced students in speech pathology which will provide the student with an opportunity to apply clinical training principles to the speech pathology environment. Prereq: 851V or 852V. (F) Prereq: SpEd 850.

854V Advanced Clinical Practicum in Speech Pathology (3) A course for advanced students in speech pathology which will provide the student with an opportunity to apply clinical training principles to the speech pathology environment. Prereq: 850V. (F, S, S) Prereq: Permission.

855V Advanced Clinical Practicum in Speech Pathology (3) A course for advanced students in speech pathology which will provide the student with an opportunity to apply clinical training principles to the speech pathology environment. Prereq: 850V. (F, S, S) Prereq: Permission.

856V Clinical Practicum in Speech Pathology (3) A course for advanced students in speech pathology which will provide the student with an opportunity to apply clinical training principles to the speech pathology environment. Prereq: 850V. (F, S, S) Prereq: Permission.
872U Basic Practicum in Special Education (3) This course provides experience in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the area of interest of the student. (F,S) Prereq: Master's degree and acceptance in the ed spec program.

872V Basic Observation and Student Teaching in Special Education (3 or 5) Classroom experience with exceptional children for graduate students who have had other professional experiences. Students will participate in observation, participation, teaching, and a weekly seminar. (F,S,Su) Prereq: 872A.

873V Advanced Practical Observation and Student Teaching in Special Education (3 or 5) A second semester of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the area of interest of the student. (S) Prereq: 872A.

875V Methods and Materials for Teaching The Physically Handicapped (3) Consideration of the physically handicapped child as his unique exceptionalities require the development of specialized methods and materials designed to meet his learning needs; an investigation of practices and problems involved in methodology and materials; application of methods; development and evaluation of materials; practices in design and implementation of methods and materials; selected observation of programs. (F) Prereq: 872A and intro to the education of the physically handicapped.

877V Diagnostic and Remediation Techniques in Early Childhood Education for The Disabled (3) This course deals with the different disciplines used at the Medical Center presenting some of their techniques for assessing the developmentally disabled child and also presenting methods that can be utilized in intervention with the developmentally disabled child. (S) Prereq: 872A.

889U Administration and Supervision of Special Education Programs (3) This course provides a concentrated experience in dealing with specific problems in the administration and supervision of special education. The case study method will be utilized to develop a systematic approach to problem solving. Real and hypothetical cases will be presented. This course is based on the modern behaviorally oriented science of administration. (F) Prereq: Ed 806, Ed Ad 806, and Ed Ad 806v and admission to the education specialist program.

889V Basic Diagnosis of Learning Deficits (3) The purpose of this course is to provide the student with theoretical and observational experiences concerning identification and formal approaches to diagnosing children with learning disabilities. Significant aspects of the design of the course is the opportunity to develop skills of observing, recording, and evaluating children's learning behavior in the classroom; to attain a knowledge of how, student learning behavior is affected by processes of normative references evaluative measures; to attain a knowledge of the purposes, designs, and required functions and processes of criteria referred evaluative measures; to develop techniques for infant observation, a child's learning performance through diagnostic teaching approaches; and to develop skills of informal test construction based upon various theories of development and child development. Prereq: SPED 840. Permission.

886V Advanced Diagnosis of Learning Deficits (3) The purpose of this course is to provide students with in-depth practicum experiences in the administration and interpretation of normative references evaluative measures, (psychological), criteria referenced tests, and informal diagnostic teaching approaches. Educators will be expected to demonstrate successful completion of SPED 885 (Basic Diagnosis) and SPED 887 (Clinical Teaching) in order to pass the course. Prereq: SPED 885 and SPED 887.

887V Clinical Teaching in Learning Disabilities (3) This course is designed to provide the student with the skills necessary to teach the mildly learning disabled student. The course is designed to provide the student with the skills necessary to teach the mildly learning disabled student. The student learns the flexibility and continuous posting needed for individualized instruction. (F,S,Su) Prereq: SPED 885.

899 Thesis (3-6) Required of all students taking master of arts degree, see major adviser for information. (F,S,Su)

911 Problems of Teaching Reading--Elementary (3) This is a beginning graduate course for both elementary and secondary teachers and is open to any student who has graduate standing. Major emphasis will be given to the administration, organization, evaluation, and methods and materials for teaching reading from Kindergarten through the sixth grade. There are no prerequisites except graduate standing.

912 Problems of Teaching Reading--Secondary (3) An advanced course in reading for elementary or secondary teachers. Major emphasis will be given to the administration, organization, evaluation, and methods and materials for the teaching of reading in each of the content subjects at the junior and senior high levels.

917 Seminar in Organization and Administration of Reading Progams (3) Participation in the seminar is limited to those students who have completed at least one graduate reading course or (equivalent) and who are professional educators who are charged with the total or partial responsibility for organizing and administering reading programs. Familiarity with the philosophy, organization, and major research related to different reading programs will be emphasized. Local and area reading authorities will conduct panels and lectures on topics chosen by the students. Prereq: One graduate reading course or permission of instructor.

918 Seminar in Research in Reading (3) A course for graduate and postgraduate students relating to in-depth studies of significant, recent research in reading with appropriate applications for instructional procedures which may be undertaken. Each student will conduct self-initiated research and report the results of the activity to other class members for comment and evaluation. Prereq: One graduate reading course (or equivalent), FED 801 (or equivalent), and permission.

Technical Institute

Industrial Technology

421/821M Contemporary Trends in Industrial Education for the World of Construction (3) This course introduces a new program development in industrial education, with major emphasis placed on the world of construction. Analysis of basic construction operations and management practices utilized in industry and adapts them as learning units for the junior high and high industrial laboratory. Prereq: For 421, junior, and senior standing.

422/872M Contemporary Trends in Industrial Education For The World of Manufacturing (3) An introduction to a new program development in industrial education, with major emphasis placed upon the world of manufacturing curriculum. Analysis of basic manufacturing operations and management practices utilized in industry and adapts them as learning units for the junior high and industrial laboratory. Prereq: For 422, junior.

Urban Studies

801V The Metropolis As A Public Economy (3) The integration of politics and economics in the metropolitan system as they affect metropolitan problems such as poverty, transportation, hunger, crime, economy, and the environment will be analyzed.

802V Race, Ethnicity, and American Urban Culture (3) This course explores two central themes, race and ethnicity, as they fit into a dominant role in the shaping of American society and human history. (Also listed under economics, geography, and American culture.)

833V-884V Interdisciplinary Seminar On The Urban Community (3) An interdisciplinary course of study to meet the metropolitan community in which urban problems are put in a broad interrelated focus. (Also listed under geography, political science, and sociology.)
GRADUATE FACULTY

ROBERT L. ACKERMAN .......... Elementary and Early Childhood Education  
Ph.D., University of Nebraska-Lincoln, 1966; Professor

PAUL B. ACKERSON .......... Secondary/Post-Secondary Education  
Ph.D., Oklahoma State University, 1965; Professor

JAMES C. AKERS .......... Special Education  
Ph.D., Oklahoma State University, 1969; Associate Professor

LARRY ALBERTSON .......... Health, Physical Education & Recreation  
Ph.D., University of Georgia, 1973; Associate Professor

DAVID M. AMBROSE .......... Marketing  
D.B.A., George Washington University, 1971; Associate Professor

GORDON M. BECKER (GF) ..........  
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SUNNY ANDREWS .......... Social Work  
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WALTER M. BACON, JR. .......... Political Science  
Ph.D., University of Denver, 1974; Assistant Professor

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GEORGE W. BARGER .......... Sociology  
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NICHOLAS BARRIS .......... Geography and Geology  
Ph.D., Clark University, 1967; Professor

GORDON M. BECKER (GF) .......... Psychology  
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RONALD S. BEER .......... Educational Administration and Supervision  
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JEROME BIRDMAN .......... Dramatic Arts  
Ph.D., University of Illinois-Urbana, 1970; Professor

JOHN V. BLACKWELL .......... Art  
Ph.D., University of Iowa, 1937; Professor

RICHARD H. BLAKE .......... Counseling and Guidance  
Ph.D., University of Missouri-Columbia, 1966; Professor

WILLIAM BLIZZEK (GF) .......... Philosophy and Religion  
Ph.D., University of Missouri-Columbia, 1970; Associate Professor

CHRISTOPHER BOLTON .......... Gerontology  
Ph.D., University of Oklahoma, 1974; Assistant Professor

JUDITH E. BOSS .......... English  
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THOMAS BRAGG .......... Biology  
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Ph.D., Pennsylvania State University, 1962; Professor

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BART DENNEHY ..... Administration
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ROBERT J. DETISCH (GF) ..... Ed.D., University of Nebraska-Lincoln, 1970; Assistant Professor
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ROBERT SWEENEY .......... Economics Ph.D., Georgia State College, 1969; Associate Professor

MICHAEL L. TATE (GF) ...... History Ph.D., University of Toledo, 1974; Assistant Professor

RICHARD S. TILL ............ Foreign Languages and Literature Ph.D., University of California-Los Angeles, 1973; Associate Professor

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