1975

Graduate Academic Catalog (1975-1976)

University of Nebraska at Omaha

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ACADEMIC CALENDAR

Summer Session 1975

May 19-July 11

Last day for submitting credentials for admission to Graduate Studies for First Summer Session.

June 2

Last day for submitting credentials for admission to an undergraduate college for First Summer Session.

First Semester 1975-76

July 24-Aug. 26

Final registration.

Aug. 27-Sept. 5

Change of class schedules.

Sept. 1

Labor Day, University closed.

Sept. 2

First Semester begins at 0700 both day and evening classes.

Sept. 5

Last day up to 1500 for change of class schedules. (Adding a class to a schedule, changing a class from “auditing” to a grade enrollment, or changing a CR/NC class registration to a grade registration.)

Sept. 20

Parents Day.

Oct. 10

Last day for filing applications for degrees to be conferred in June.

Oct. 18

Homecoming football game.

Oct. 24

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

Nov. 14

Last day a class may be dropped in order to receive a "W". Last day a class may be changed to "auditing" or changed from a grade registration to CR/NC.

Nov. 26

Thanksgiving recess begins at 2140, offices closed.

Dec. 1

Classes resume at 0700.

Dec. 10

Status report for all prospective graduating students due in Registrar’s Office by 1200.

Dec. 15

Last day for submitting credentials for admission to Graduate Studies for Second Semester 76-77.

Dec. 19

Last day of classes.

Dec. 20

Commencement.

Dec. 22

Grades due in Registrar’s Office at 1200.

Dec. 30

Christmas Holiday, University closed.

*The above dates are subject to change.

For separate Deadlines dates for submitting credentials for admission into the Counseling and Guidance Department, see page 78.
**Second Semester 1975-76**

- **Jan. 2-4**: Holiday. University closed.
- **Jan. 8**: Last day for submitting credentials for admission in undergraduate college for the Second Semester 1975-76. Orientation.
- **Jan. 16-23**: Change of class schedules.
- **Jan. 19**: Second Semester begins at 0700 both day and evening classes.
- **Jan. 23**: Last day up to 1600 for a change of class schedules. (Adding a class to a schedule, changing a class from "audit" to a grade enrollment, or changing a CR/NC class registration to a grade registration.)
- **March 12**: Due: Mid-term (fifth week) report of grades under C for all undergraduates.
- **April 2**: Last day for filing applications for degrees to be conferred in May.
- **April 5**: Last day a class may be dropped in order to receive a "W." Last day a class may be changed to "audit" or changed from a grade registration to CR/NC.
- **April 10**: Evening Summer Session 75-76.
- **April 15-16**: Holiday. University closed.
- **April 19**: Classes resume 0700.
- **April 20**: Honors Day.
- **April 25-30**: Status report for all prospective graduating students due in Registrar's Office at 1200.
- **May 7**: Last day of classes.
- **May 8-14**: Finals.
- **May 14**: Last day for filing credentials for admission to Graduate Studies for the First Summer Session 75-76.
- **May 15**: Commencement.
- **May 18**: Graduates due in Registrar's Office by 1200.
- **May 30-31**: Memorial Day. University closed.

**Summer Session 1976**

- **May 17-July 9**: Evening Session. Last day for submitting credentials for admission to an undergraduate college for First Summer Session.
- **June 2-3**: Final registration.
- **June 4-8**: Change of class schedules.
- **June 7-July 9**: First Summer Session.
- **June 12**: Last day for submitting credentials for admission to Graduate Studies for the Second Semester Session 75-76.
- **June 28**: Last day for submitting credentials for admission to an undergraduate college for the Second Semester Session 75-76.
- **July 4-5**: Holiday. University closed.
- **July 6**: Last day for filing applications for degrees to be conferred August 31, 1976.
- **July 12-Aug. 28**: Orientation.
- **Aug. 5**: Status report for all prospective graduating students due in Registrar's Office by 1200.
- **Aug. 14**: Summer Commencement.
- **Aug. 18**: Final grades due in Registrar's Office by 1600.

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**DEPARTMENTS OFFERING GRADUATE INSTRUCTION**

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<th>DEPARTMENT OR AREA</th>
<th>Master of Arts</th>
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*For separate deadline dates for submitting admissions requirements for admission into the Counseling and Guidance Department, see page 28.*
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 1959, the Board of Regents authorized a year of graduate study in education beyond the Master's degree. The Master of Science in 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 Science, Master of Business Administration, Master of Public Administration, Master of Social Work, 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.

ACCREDITED STANDING

The University of Nebraska at Omaha is fully accredited by the North Central Association of College and Secondary Schools, and the National Council for Accreditation of Teacher Education. It has programs approved by the American Chemical Society, the Council on Social Work Education, and the International Reading Association. It is a member of the National Commission on Accrediting (not an accrediting agency), the American Association of Colleges for Teacher Education, the Association of American Colleges, the Association of American Colleges, the National University Extension Association, the American Association of University Women, the Council of Graduate Schools in the United States, the Midwest Conference on Graduate Study and Research, the Association of University Evening Colleges, the Adult Education Association of the United States, the Association of Governing Boards, and the American Council on Education. Its courses are accepted, for purposes of teacher certification, by the Nebraska State Department of Public Instruction.

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

The Master's degree or the Specialist in Education degree is conferred by the Board of Regents upon recommendation of the Graduate Faculty, and with the final approval of the faculty of the University of Nebraska at Omaha.

Master of Arts or Master of Science Degree

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

Option I. A 30 semester-hour program (maximum of 6-hour thesis credit included) as determined by the cognizant Graduate Program Committee.

Option II. A 36 semester-hour non-thesis program as determined by the cognizant Graduate Program Committee.

*Note: The University of Nebraska at Omaha
Master of Business Administration Degree
This is a professional graduate degree designed to provide a broad educational experience for students who wish to assume positions of responsibility in business.

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

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

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

Admission to Graduate Study in Business must be made separately. Those wanting to apply for admission should consult the Counseling and Testing Center, Administration Building 213 or the Graduate Office, Admin. 203.

UNIVERSITY REGULATIONS

NOTE: For consideration for admission to Graduate Study in Business, students should see page 28 for specific requirements for admission to graduate study. A nominal fee is charged for the examination.

The following three examinations, which require no special preparation or review, give valuable evidence of the qualifications needed for work and are helpful in planning courses of graduate study. A nominal fee is charged for the examination.

EXAMINATIONS FOR GRADUATE STUDENTS

The University and its various colleges, divisions, and departments reserve the right to change the University regulations concerning admission to, instruction in, and graduation from the University without notification to the University of its various students. Such regulations are operative whenever the University authorities deem necessary and apply not only to prospective students but also to those currently enrolled in the University. The University also reserves the right to withdraw courses, to reassign instructors, and to change tuition and fees at any time.

The student is advised to consult the University catalogs for the Helge's degree. At the graduate level, requirements may be made retroactive only for those students who do not have every academic year or in at least one session every summer until all requirements for the degree have been satisfied.

PROCEDURES AND REGULATIONS

Admission and Transcripts
The student is advised to familiarize himself with the academic regulations of the University and Graduate Study. Each graduate student is expected to assume full responsibility for knowing the particular requirements of his own academic program. The student is responsible for complying with all regulations concerning admission to, instruction in, and graduation from the University without notification to the University of its various students. Such regulations are operative whenever the University authorities deem necessary and apply not only to prospective students but also to those currently enrolled in the University. The University also reserves the right to withdraw courses, to reassign instructors, and to change tuition and fees at any time.

The student is advised to consult the University catalogs for the Helge's degree. At the graduate level, requirements may be made retroactive only for those students who do not have every academic year or in at least one session every summer until all requirements for the degree have been satisfied.

MATRICULATION FEE
A matriculation fee of $10 is payable upon initial enrollment in graduate studies. This fee is not refundable.

EXAMINATIONS FOR GRADUATE STUDENTS

The following three examinations, which require no special preparation or review, give valuable evidence of the qualifications needed for work and are helpful in planning courses of graduate study. A nominal fee is charged for the examination.

The Test of English as a Foreign Language
Applicants for admission to the Master of Business Administration program are required to take 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 in order for an application for admission to Graduate Studies to be evaluated. A foreign student desiring to enroll in Graduate Studies at UNO must be fluent in English. This provision does not apply to those foreign students whose native language is English.

CLASSIFICATION OF ADMISSION

Unconditional
Unconditional admission to graduate study 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. Such requirements for admission to graduate study must be met before being considered for admission.

Provisional
Provisional admission may be granted to a student who has a Bachelor's degree from a regionally accredited institution but who has not completed all of the undergraduate prerequisites. Such requirements for admission to graduate study must be met before being considered for admission to graduate study.

Grades
Grades for graduate study are given on the University's 4.0 scale, with 4.0 representing a letter grade of A, 3.0 representing a letter grade of B, and 2.0 representing a letter grade of C. Grades in graduate courses are not included in the student's cumulative grade point average.
Professional growth cards and other admission to graduate study may be obtained by the student if he has successfully demonstrated his ability to pursue graduate study. Applicants to graduate study who have been graduated from institutions of higher education must hold a degree of at least B average and meet the requirements for admission to candidacy for the degree.

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.

Graduate students are eligible for such credits as have been included in the statement of the university. The graduate student must complete at least 9 hours of graduate credit for each degree completed.

CREDENTIALS FOR GRADUATE STUDY

Credit for advanced study is granted under a program approved by the Graduate School. The student must follow the approved program and complete all requirements for the degree.

Acceptance of Senior Credits

Students who wish to be admitted to graduate study must file an application for admission to candidacy for the degree. The application form and the completed application should be submitted to the Office of Graduate Studies and Research.

Admission to Teacher Education Programs

Students who plan to work for the Master's degree in education in one of the fields of education eligible for advanced study must be admitted to the Teacher Education Program for the degree before entering the program. The program includes courses in educational psychology, educational administration, educational technology, and professional growth. The student must be admitted to the Teacher Education Program for the degree before entering the program.

REGISTRATION PROCEDURE

The student is to follow the usual procedure in registering for courses by filing out the proper class card forms and paying fees at the Business Office. All registration forms must be completed at least two weeks prior to the beginning of the semester.

CERTIFICATION OF PROFESSIONAL GROWTH

Students who wish to take courses for credit must be accepted for admission to the Teacher Education Program for the degree. They must also make application for admission to graduate study.

ADMISSION TO CANDIDACY FOR GRADUATE DEGREE

Admission to graduate study does not admit the student to candidacy for any degree.
ON THE PART OF THE COGNIZANT GRADUATE PROGRAM COMMITTEE before the student is allowed to continue work toward the degree. A grade at "C" in each of three courses will result in AUTOMATIC dismissal from the degree program unless the student has a "B" average or higher. A grade of "D" or less in either the major or minor area is considered a failing grade and the student receiving such a grade will AUTOMATICALLY be dropped from the degree program. The student thus dropped must secure the approval of the COGNIZANT GRADUATE PROGRAM COMMITTEE before being reinstated. The student will not be permitted to take any course as a non-degree student and he may NOT be a candidate for the degree unless reinstated by the Graduate Committee. A student is not recommended by the standing Graduate Committee and Research.

The above quality of work standards also apply to non-degree students. A grade of "F" on each of his courses, 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 death in the immediate family, is unable to complete the requirements of the course in the term in which he is registered for credit. Incompletes should only be given if the student has already substantially completed the major requirements of the course. Each instructor must judge each situation. The instructor must also indicate by a departmental record, with a copy to the student, how the incomplete is to be removed, and if he is at the University at the time of the removal, supervise the makeup work and report the permanent grade.

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

A student to receive credit in a course for which he has received a grade "I" must re-register and take the course again. The instructor removes the I from the grade when the course is completed within two years of the date he received the "I". In the meantime the "I" is not computed in the student's GPA.

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

POLICY ON CLASS ATTENDANCE

The policy: Classes are conducted on the premise that regular attendance is desirable and expected. Each 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, in part or in full, may be held accountable for supplying information and making up work for the portion of the class that was missed. If a student discovers that he or she is to be absent for an extended period the student should promptly notify the instructor and be prepared to document the reason for extended absences.

"Instructions or other University officials who may require students, individually or collectively, to be absent from their classes for 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 students.

Appeals procedure: "Should there be cause on the part of individual students to feel that the reasons for absence were not considered with equity, a decision with punitive consequences may be subject to a formal appeals procedure. The appeals procedure is the same as that provided in the departmental unit for other academic, classroom-related items (e.g., grades, cheating, etc.), involving the student submitting a formal request for the appeal in writing to the department. If the initial appeal is unsatisfactory, the next step in the appeals process rests with the student submitting a written statement to the dean of academic dean indicating the non-academic nature of his appeal and requesting the consideration of the appropriate college committee designated for hearing such grievances.

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

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 in the department and college unit offering the course in which the student is enrolled.
STUDY LOAD

An average study load for a full-time graduate student is twelve hours of course work. The minimum load required for classification as full-time graduate student is nine hours of course work. Graduate assistants are considered full-time students if they carry a minimum of six hours of course work. Students carrying less than twelve hours may obtain a regular students activity card by paying the full-time fee of $30.00.

AUDIT

A student wishing to audit a course must secure the permission of his advisor, 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. The student may change to audit registration during the first eleven weeks of a semester, or during the first half of a class if it runs longer or shorter than a semester.

COURSES FOR GRADUATE CREDIT

Courses which are available for graduate credit are those which have been especially approved by the Graduate Faculty with syllabi on file in the Graduate Studies and Research. Courses numbered 800V, 800U and 800J-800M will do work at a higher level than undergraduates. Typically, such differentiation might include depth studies, field studies, individualized research, and special interest projects.

RESIDENCE REQUIREMENTS

A minimum of 30 semester credit hours in residence (36 in case of the Master of Science in Education and the Master of Business Administration degrees), is required for granting of the Master's degree, except as provision is made for the transfer of credit. No credit will be allowed for correspondence work.

TRANSFER OF CREDIT

Students who have completed graduate courses at other approved graduate schools (including extension schools) may request the permission to transfer as many as six semester hours of credit on a thirty-hour program, or nine semester hours of credit on a forty-five-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 advisor 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 graduate degree. Grades in courses for transfer credit must be 'B' or higher. No transfer of credit can be made until the student has been admitted to candidacy for the degree. All work accepted for transfer of credit must be transferred 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 advisor and with the approval of the Dean for Graduate Studies and Research.

Students who wish to take graduate courses at the University of Nebraska at Lincoln or at the Medical Center for transfer to UNO should secure the Inter campus Graduate Student Exchange Form from the Graduate Office. Transfer of graduate credit from all schools in the University system will be accepted upon the written approval of the student's major advisor. The student's committee will at least one of the minimum degree requirements to be taken at the University of Nebraska, however, is to be granted the degree. Only grades of 'B' or better may be transferred from other schools in the University System to apply toward degree requirements here.

WITHDRAWAL FROM THE UNIVERSITY

To officially withdraw from all classes and thereby from the University, and to receive any refund due as well as appropriate posting of academic standing for the grading period in question, a graduate student is required to obtain the signatures of his advisor and the UNO Dean for Graduate Studies and Research or his designee prior to submitting the withdrawal form to the Registrar's Office. Any refund of fees will be based on the University catalog, Graduate Bulletin, class schedule and student handbook, and as posted in the Cashier's Office. Failure to withdraw according to this procedure may cause forfeiture of refunds and inappropriate posting of grades.

TIME LIMIT FOR ALL MASTER'S DEGREES

The work required for a master's degree must be completed within six consecutive calendar years. The student must be registered in residence throughout this period. The student is required to register for the summer semester, unless granted permission in writing by the Dean of Graduate Studies and Research.

TUTION, FEES, DEPOSITS AND REFUNDS

The University reserves the right to change the amount of tuition or fees at any time, and to assess charges for breakage, lost property, fines, penalties, parking, books, supplies, food, or special services not listed in this schedule. Tuition and related charges are subject to change without notice. Students availing themselves of the delayed payment plan must meet the minimum financial obligation. Students must use the University Bank for financial transactions. Application for financial aid must be made at the Student Financial Aid Office. The deadline for financial aid applications is the 10th of August for fall term, the 10th of February for spring term and the 10th of June for summer term.

Application Fee (Undergraduate):

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

Matriculation Fee (Graduate College):

The matriculation fee is $10.00 payable upon first-time enrollment in the Graduate College.

Tuition:

Per Semester Credit Hour: Undergraduate or Graduate

- Resident of Nebraska (see residency statute) $18.00
- Non-Resident of Nebraska $48.25

Payable upon first-time enrollment in the Graduate College.

Special Instructional Fees:

The Audit (not for credit) fee is set at one-half of the Resident tuition rate. Registration for audit classes requires the permission of the instructor and is subject to availability of class space. The audit fee is $7.00 per semester.

Payable upon enrollment by all new and transfer undergraduate students.

University Program and Facilities Fee (UPFQ):

- Resident of Nebraska $25.00
- Non-Resident of Nebraska $30.00

Full-time students (12 credit hours or more) per semester.

Additional Information:

Note! Failure to receive the parking, books, supplies, food, or special services not listed in this schedule. Tuition and related charges are subject to change without notice. Students availing themselves of the delayed payment plan must meet the minimum financial obligation. Students must use the University Bank for financial transactions. Application for financial aid must be made at the Student Financial Aid Office. The deadline for financial aid applications is the 10th of August for fall term, the 10th of February for spring term and the 10th of June for summer term.
Part-time students (less than 12 hours) per semester: $15.00
Summer Sessions (per session): $15.00
Assessed to every student each semester, except that summer session student who complete registration for both sessions at the initial registration period will be assessed only once.

The UPFF receipts are divided into two separate funds. One portion is designated for student activities and is distributed according to an annual budget developed by the Student Activity Budget Committee. An Allocation Board comprised of students, faculty and staff recommends disbursements of the remainder of the funds to the University Chancellor. After he approves their recommendations he submits them to the President of the University and the Board of Regents for review and adoption.

The second portion of the UPFF is designated for services, staff salaries, maintenance of facilities and related expenses, and those additional items designated by the Chancellor. This portion is budgeted separately with emphasis upon continuing support. The Chancellor recommends to the President and the Board of Regents how they plan for this portion.

The full-time fee of $30.00 also entitles the student to a regular student activities card covering athletics, publications and general student activities. Part-time students may obtain a regular student activities card by paying the full-time fee of $30.00.

Special Service Fees:
- Cooperative Education (if taken for non-credit): $50.00
- Continuing Engineering Studies — Professional Studies — Development Degree Program: $20.00
- Initial application: $25.00
- Attainment of 500 credit units (additional): $20.00
- Attainment of 800 credit units (additional): $25.00
- Attainment of 1000 credit units (additional): $25.00
- Attainment of 1200 credit units (additional): $25.00
- Deferred Tuition Payments: $25.00
- of approved by Student Financial Aid Office: $5.00
- Transcripts of Academic Record per copy: $1.00
- Thesis Binding per copy: $6.00
- Cap and Gown Rental (to be arranged through the Bookstore): $15.00
- Degree in Absentia (payable in addition to graduation fee): $15.00
- Graduation Fee: $2.00
- Bad Check per check: $0.00
- Diskon ned checks given in payment for tuition and fees must be redeemed in cash prior to the date for late registration, otherwise the late registration fee will be assessed in addition to the bad check fee.

Teacher Placement Fees:
- Registration Fee: $10.00
- This fee is required before any further service is given. This fee prepares the placement file for the new registrant and updates the fee for re-entrant making the file readily available for office use or mailing to prospective employers. The registration fee is required of all students preparing for teaching certification.
- Vacancy Bulletin Fee & Postage Cost: $5.00
- 3rd class mailing: $5.00
- 1st class mailing: $12.50
- The vacancy bulletin will not be mailed unless the registration fee is paid.
- Credential Fee: $10.00
- Preparation of credentials: $10.00

No credentials will be sent unless the registration fee and the credential fee has been paid.

Late Fees and Penalties:
- Late Registration (day or evening classes): $5.00
- Late Examination (each course): $5.00
- Late Payment of Tuition Billing: $10.00
- Reinstatement of Cancelled Registration: $10.00
- Replacement of ID Activity Card: $1.00
- Change of Class Schedule (per change): $5.00

Deposits:
- Key (per key with authorization) refundable: $1.00
- Pre-registration: $50.00
- The pre-registration deposit allows the student to register in advance for the next term and will apply toward tuition for completed registration. The deposit for a term will be refunded in full provided application for refund is processed before the first day of the published registration period for that term.
- ROTC Uniform Deposit Refundable: $15.00

Testing Fees:
- Graduate Record Examination: $10.00
- General Aptitude Test: $10.00

Advanced Area Test: $10.50
Admission Test for Graduate Study in Business: $12.00
Miller Analoges Test: $10.00

(The fees as stated are for estimation purposes only and are subject to change)

Refund Schedule:
- Refunds are computed from the date application is received by the Registrar. FROM date of withdrawal from classes. Refund slips issued by the Registrar and given to students are void and will not be refunded if the student is not eligible for the 1971-72 academic year. Students paying tuition and fees on a deferred payment basis or under any other loan granted by the University and their compensation in full in the year will not be refunded if the student is not eligible for the 1971-72 academic year.

For students withdrawing after the third day of classes in the fall or spring quarters, if the student withdraws before the end of the fourth week of classes, he will have a 100% refund of tuition and fees. If withdrawn after the fourth week but before the end of the seventh week of classes, the student will receive a 50% refund of tuition and fees. If withdrawn during the eight week, the student will have a 25% refund of tuition and fees. If withdrawn during the ninth week, the student will have no refund of tuition and fees.

For students withdrawing after the third day of classes in the summer quarter, if the student withdraws before the end of the fourth week of classes, he will have a 100% refund of tuition and fees. If withdrawn after the fourth week but before the end of the seventh week of classes, the student will receive a 50% refund of tuition and fees. If withdrawn during the eight week, the student will have a 25% refund of tuition and fees. If withdrawn during the ninth week, the student will have no refund of tuition and fees.

For students withdrawing after the third day of classes in the summer quarter, if the student withdraws before the end of the fourth week of classes, he will have a 100% refund of tuition and fees. If withdrawn after the fourth week but before the end of the seventh week of classes, the student will receive a 50% refund of tuition and fees. If withdrawn during the eight week, the student will have a 25% refund of tuition and fees. If withdrawn during the ninth week, the student will have no refund of tuition and fees.

FINANCIAL AID FOR GRADUATE STUDENTS

GRADUATE ASSISTANTSHIPS

Available for qualified students who are enrolled in a graduate degree program or are graduate assistants in teaching, research or laboratory supervision. The appointment is designed to provide un-capped opportunities for supervised educational experiences at the graduate level in conjunction with the degree program. The stipend ranges upward from $3000 and the stipend is based on twenty hours of work per week. The enrollment of students with assistantships will be limited to no more than twelve credit hours per semester unless the student has demonstrated the ability to meet all academic requirements.
extraordinary efficiency; and the advisor recommends the abnormal high work load to the Dean for Graduate Studies and Research for his approval.

Graduate assistants are for seniors who must earn money for support himself to be required to refuse correspondingly the number of hours for which they may register. Such adjustments shall be subject to the approval of the Dean for Graduate Studies and Research.

Applications and their supporting documents must be received on or before March 1. Address requirements for information application forms to the Chairman of the Department in which the assistantship is desired.

Tuition Waivers for Graduate Students
Several tuition waivers are available for qualified students who have been admitted to graduate study. Eligibility is based on academic qualifications and financial need.

Graduate assistantships and tuition waivers cannot be awarded simultaneously to anyone for processing applications.

Traveling Scholar Program
The University of Nebraska is a member of the Mid-America State Universities Association along with Iowa State University, Kansas State University, Louisiana State University, University of Kansas, University of Oklahoma, and the University of Texas. Faculty members may use the special research facilities or take courses not available at the host institution. The graduate student may spend a semester at another university simply by making appropriate arrangements. Application and information forms are available in the Graduate Office. Allow at least two months for processing applications.

Scholarships
Phi Delta Gamma, a national fraternity for women, offers two annual scholarships of $150 each, to women graduate students who have completed approximately one-half of their graduate work with an excellent record. The Mary Ellen Peterson-Phi Delta Gamma Scholarship and the Nelle Boyer-Phi Delta Gamma Scholarship.

Applications and details concerning these scholarships may be obtained from the Dean for Graduate Studies, Room 201, Administration Building. Applications should be in the Graduate Office by March 1 of each year.

Loans
Qualified women graduate students are eligible for a Phi Delta Gamma loan on a limited basis. To apply for loans, contact the Office of Financial Aid, Room 103, Administration Building.

Organizations
Phi Delta Gamma is a national society for women in graduate study. Membership is as follows:

- Phi Delta Gamma Sigma is a national honorary society for students in Business Administration. Membership is by invitation.
- Phi Eta Kappa is a national honorary society for men in graduate study. Membership is by invitation.
- Omicron Delta Epsilon is a national honorary society for graduate students in Economics. Membership is by invitation.

Administration for Graduate Studies

Graduate Faculty
The Graduate Faculty presents the qualifications of all professors who offer graduate work and Research to the Chairperson of the Graduate Faculty at UNO and of the UNO Graduate Council, including qualifications of graduate faculty members, is available in the Graduate Office.

Graduate Faculty Members
Graduate Faculty Members teach graduate courses, supervise graduate student research and provide for the examination committee for those students and vote on any matters presented to the Graduate Faculty including the election of the Executive Graduate Council and the Graduate Council for UNO.

Requirements for the nomination of Graduate Faculty Members include:
1. The nominee must hold the rank of Assistant Professor or above.
2. The nominee must hold the terminal degree normally accepted for academic employment in the discipline or its clear equivalent as determined by the Graduate Committee of the nominee's department or interdisciplinary area.
3. The nominee must have completed at least one year of service at the college or university level subsequent to receipt of the terminal degree or its equivalent.
4. The nominee must have demonstrated clear evidence of scholarly activity and potential beyond teaching.

Graduate Faculty Fellows
Graduate Faculty Fellows supervise the scholarly and research of doctoral students through service on Supervisory Committees. The qualifications of Graduate Faculty Fellows have a direct bearing on the quality of doctoral education at the University of Nebraska. Under the supervision of the Dean of Graduate Faculty Fellows include:

1. The nominee must be a Graduate Faculty Member or meet all criteria for Graduate Faculty Membership.
2. The nominee must have published research and scholarly work of quality or have demonstrated comparable creative achievement.
3. The nominee must be currently involved in research and/or creative work.
4. The nominee's other pertinent qualifications including funded research and development projects and/or teaching effectiveness in working with graduate students may be provided.

Graduate Council
The Graduate Council of the Graduate Faculty at UNO is composed of eleven faculty and three graduate student members. This Council considers and recommends 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 in the Council are available in the Graduate Office.

Graduate Faculty Committee and Extramural Grants
This is an advisory committee to the Dean for Graduate Studies and Research. The objectives of this committee are to foster fruitful research as an adjunct to teaching excellence, (2) to recommend allocation of the available funds for research toward those ends and to encourage solicitation of goods 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. Services in support of those seeking extramural or extramural and academic offerings. Information about the structure of the Council, functions of the committees, and names of the Graduate Faculty members who are currently serving in the Council are available in the Graduate Office.

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 chair are recommended annually by the graduate faculty or department for appointment by the Dean for Graduate Studies and Research.

In its normal faculty, the Graduate Program Committee has the responsibility for the planning of the graduate program, the general supervising of the candidates, for the evaluation of students by means such as the qualifying examination and the final comprehensive examination when projects as qualifying examinations are not given by a student's thesis or field project supervisory committee. Each new graduate student, in conference with the chairman of the Graduate Program Committee of his major department, shall select his major advisor. The student who has a supervisory or advisory committee, the composition of the committee shall be recommended to the Dean for Graduate Studies Research and the PhD of the student and his major advisor. At the master's level, committee members are usually sufficient. The chairman should be a member of the Graduate Faculty and when
ever feasible, the student's advisor 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 require-
ments 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 equa-
ly 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 practicum-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.
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 his faculty committee. Students may conduct thesis research in animal behavior, animal physiology, cellular physiology, bacteriology, mycology, ecology, embryology, entomology, fresh water biology, histology, entomology, invertebrate zoology, mycology, ornithology, parasitology, plant anatomy, plant systematic, plant morphology, plant physiology, protozoology, vertebrate systematics, herpetology, vertebrate reproductive biology, and vertebrate anatomy.
The candidate must pass a final oral examination.

Master of Science
A student may become a candidate for this degree only upon the recommendation of his 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.

BUSINESS ADMINISTRATION
The Master of Business Administration Degree
The MBA is a professional graduate degree designed to provide an intense educational experience for students who desire to assume positions of increasing responsibility in business.
Courses in the program give the students an understanding of the principles of management, marketing and finance and a proficiency in the use of accounting, computers, statistics, and quantitative methods as tools for analysis of business activities. Also, the student is made aware of the societal, economic, legal and political factors which influence business decisions and develops an appreciation of the social responsibilities of business.
Emphasis is placed on decision making and problem solving.

Admission
To be admitted to the MBA program, applicants should have a minimum undergraduate grade point average of 2.5 and a minimum of 470 on the Admission Test for Graduate Study in Business (ATGB). Scores of ATGB must be received prior to the student’s second semester in the 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:

- Economics: Econ 201, Econ 202, or Econ 800J
- Accounting: Acc 201, Acc 202, or BA 811J
- Computers in Business: G8 131
- Statistics: DS 213, or BA 816J
- Business Law: LAW 323, or LAW 446 or BA 812J
- Corporation Finance: RF 320 or BA 813J
- Management Principles: MGT 349 or BA 814J
- Marketing: MKT 331 or BA 815J

These foundation courses cannot be used to meet the 36 semester hours required for the MBA degree. The quality of work in the foundation core should be the same as for degree requirements.
Graduate Courses: The degree requires a minimum of 36 semester hours for completion. Core Courses
Option courses 15
Electives 6
---
36

Care Courses
BA 800 V Quantitative Analysis 3 hours
BA 810 V Managerial Economics 3 hours
BA 820 V Managerial Accounting 3 hours
BA 831 V Human Behavior in Organizations 3 hours
BA 880 V Policy, Planning, and Strategy 3 hours

Option Courses
Option #1 — General
BA 830 V Environment of Management 3 hours
BA 840 V Marketing Policies 3 hours
BA 850 V Financial Management 3 hours
BA 861 V Business and Society 3 hours
BA 805 V Business Conditions Analysis 3 hours

Option #2 — Marketing
BA 840 V Marketing Policies 3 hours
BA 841 V Promotional Policies 3 hours
BA 845 V Seminar in Marketing 3 hours
BA 862 V Business Information Systems 3 hours
BA 805 V Business Conditions Analysis 3 hours

Option #3 — Decision Sciences
BA 802 V Research Methods in Econ and Bus 3 hours
BA 803 V Applied Quantitative Analysis 3 hours
BA 801 V Business and Society 3 hours
Econ 803 V Econometrics 3 hours
BA 880 V Independent Research (in Decision Sciences) 3 hours

Option #4 — Real Estate
BA 860 Real Estate and Land Use Economics 3 hours
BA 861 Current Problems in Real Estate and Land Use Economics 3 hours
Econ 856 M State and Local Finance 3 hours
BA 899 V Thesis 6 hours

Option #5 — Accounting
BA 821 V Accounting Theory 3 hours
BA 822 V Controlling 3 hours
BA 825 V Seminar in Accounting 3 hours
BA 820 V Business Information Systems 3 hours
BA 800 V Independent Research in Accounting 3 hours
BA 899 V Thesis (6 hours) 6 hours

Option #6 — Economics
BA 800 V Econometrics 3 hours
BA 810 V Business Conditions Analysis 3 hours
BA 801 V Business and Society 3 hours
Econ 865 V Seminar in Urban Economics 3 hours
Plus 9 hours from the following:
Econ 810 V Economic Security 3 hours
Econ 818 V Seminar in Labor Economics 3 hours
Econ 830 V Seminar in Micro Theory 3 hours
Econ 829 V Research Methods 3 hours
Econ 831 V Econometrics 3 hours
Econ 840 V Seminar in Money and Banking 3 hours
Econ 850 V Seminar in International Economics 3 hours
Econ 885 V Seminar in Urban Economics

Option #7 — Individually Designed Program: A student under the guidance of the Director of Graduate Studies in Business and Economics and with the approval of the Graduate Faculty of the College of Business Administration may develop an option of 15 hours of study. A minimum of 21 semester hours must be completed in courses designated as business administration (BA). Also, at least 30 hours must be at the "V" level of graduate work. Neither a thesis nor a comprehensive examination is required for the degree. Instead, the integrative course BA 888V must be successfully completed with a grade of A or B in the student's last nine hours of the degree program.

CIVIL ENGINEERING
Master of Science
This is a professional degree designed to provide a broad educational background for students who wish to gain greater proficiency and assume positions of greater responsibility in the field of Civil Engineering. Courses in the program give students a better understanding of the basic principles and methodology used in the design of civil engineering projects. Emphasis is placed on 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. The Master's Degree will be as stated in the Graduate Studies Bulletin, University of Nebraska-Lincoln. Upon admission by the Graduate College, UN-L, student records will be maintained on the campus at which the major portion of the graduate courses will be taken. Normally the faculty advisor will also be on that campus.

Graduate Committee: The Civil Engineering Department has a Graduate Committee of six faculty, selected from the Omaha and Lincoln campuses, appointed by the Department Chairman and approved by the Graduate Dean, UN-L. The Graduate Committee has final supervision over the work of the candidates for the Master's degree. The committee may prescribe such tests as it deems necessary in order to determine whether an applicant is adequately prepared for graduate study. After all application materials are received by the Graduate College, UN-L, the Chairman of the committee will be asked to make a recommendation, after consultation with the committee, on admission to the Graduate College.

Admission to Candidacy: Consult current Graduate Studies Bulletin, University of Nebraska.

Examinations: The Masters Degree Option Cours es

Graduate Work. Graduate work in Civil Engineering is governed by the general requirements of the Graduate College. Selection of the option and program are subject to approval of the students' advisor and the departmental Graduate Committee.

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

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

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

Required courses are defined 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 on the basis of their potential for successful training and professional practice. Major points where students are evaluated with respect to their suitability for continuation in the program are: 1) initial admissions to Graduate Studies and Department, 2) the student's progress to candidacy and 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 admission 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.
Master of Science
Specialization in Agency Counseling

I. Foundation Courses
   FED 801V, Introduction to Research ........................................ 3 hours
   FED 802V, Selected Cognate Courses ........................................ 6-15 hours
   These courses are selected in accordance with the student's particular area of interest.
   III. Counseling and Guidance Courses
      COUN 800M, Principles of Guidance and Counseling ......................... 22-28 hours
      COUN 820V, Introduction to Counseling Theories ................................ 6 hours
      COUN 822V, Occupational and Educational Information ......................... 6 hours
      COUN 823V, Appraisal Techniques in Counseling and Guidance ................. 6 hours
      COUN 824V, Counseling Practices ........................................ 3 hours
      COUN 825V, Counseling Practicum ........................................ 3 hours
      COUN 826V, Community Involvement for Urban Counselors ................. 3 hours
      Selected additional courses in the department.

Specialization in School Counseling — Secondary Level

I. Foundation Courses
   FED 801V, Introduction to Research ........................................ 3 hours
   II. Selected Cognate Courses
      These are most often selected from offerings of the Psychology, Sociology, Secondary Education and Special Education departments.
   III. Counseling and Guidance Courses
      COUN 800M, Principles of Guidance and Counseling ......................... 22-28 hours
      COUN 822V, Counseling Practicum ........................................ 3 hours
      Selected additional courses in the department.

Specialization in School Counseling — Elementary Level

I. Foundation Courses
   FED 801V, Introduction to Research ........................................ 6 hours
   II. Selected Cognate Courses
      These are most often selected from offerings of the Psychology, Sociology, Elementary Education and Special Education departments.
   III. Counseling and Guidance Courses
      COUN 800M, Principles of Guidance and Counseling ......................... 19-27 hours
      COUN 822V, Counseling Practicum ........................................ 3 hours
      COUN 825V, Counseling Practicum ........................................ 3 hours
      Selected additional courses in the department.

Specialization in College Student Personnel Services

I. Foundation Courses
   FED 801V, Introduction to Research ........................................ 3 hours
   II. Selected Cognate Courses
      These courses are selected in accordance with the student's particular area of interest.

II. Counseling and Guidance Courses
   These courses are taken in the departments of Sociology and Psychology.

III. Counseling and Guidance Courses
   This pattern of coursework is individually designed for the student for specific roles within the field of student personnel services, e.g. admissions and registrations, counseling, housing, financial aid, placement, and student activities.

CRIMINAL JUSTICE

Degree Programs

The Criminal Justice Department offers the student a choice of a 30 credit-hour Master of Arts Degree or a 36 credit-hour Master of Science Degree in either Law Enforcement or Corrections.

Admission Requirements for the Criminal Justice Graduate Program

All candidates must have a minimum of 18 semester hours of Criminal Justice or related courses which represent the undergraduate curriculum. In addition, all candidates must have completed a basic statistics or research methods course and have completed a minimum of 15 hours in the Social Science area.

Master of Arts

To earn the Master of Arts Degree in Criminal Justice with a major emphasis in Law Enforcement or Corrections the student must satisfactorily complete the following core requirements:

Master of Arts in Law Enforcement

Required Core Courses
   801V, Criminal Justice Planning and Innovation .............................. 6 hrs.
   802V, Seminar in Administration of Justice ................................. 6 hrs.
   Related Core Courses
      (student selects 2 with advisor approval)
      803V, Comparative Law Enforcement Systems ............................... 3 hrs.
      805V, Seminar in Criminal Jurisprudence ................................ 3 hrs.
      807V, Seminar in Criminal Justice System ................................. 3 hrs.
      810V, Seminar in Crime Prevention ........................................ 3 hrs.
      812V, Contemporary Criminalistics ........................................ 3 hrs.
      814V, Independent Study .................................................. 3 hrs.
   Related Cognate Courses
      (co-advisement with advisor approval)
      (student selects 2 from two areas)
      Courses selected with cognate department and advisor approval from Business Administration, Psychology, Social Welfare, Sociology, Public Administration, plus other approved areas.
      Completion of an approved thesis.
      Successful oral defense of thesis.

Master of Arts in Corrections

Required Core Courses
   801V, Criminal Justice Planning and Innovation .............................. 6 hrs.
   802V, Seminar in Administration of Justice ................................. 6 hrs.
   Related Core Courses
      (student selects 2 with advisor approval)

III. Admissions and Registrations, Counseling, Housing, Financial Aid, Placement, and Student Activities.
To earn the Master of Science Degree in Criminal Justice with a major emphasis in Law Enforcement or Corrections, the student must satisfactorily complete the following core requirements:

**Master of Science in Law Enforcement**

**Required Core Courses**
- 801V, Criminal Justice Planning and Innovation
- 802V, Seminar in Administration of Justice
- 810V, Seminar in Criminal Prevention
- 812V, Criminal Justice Research Theory and Methodology

**Related Core Courses**
- (student selects 3 with advisor approval)
- 803V, Comparative Law Enforcement Systems
- 805V, Seminar in Criminal Jurisprudence
- 806V, Seminar in the Processes of the Criminal Justice System
- 811V, Special Problems in Criminal Justice
- 813V, Contemporary Criminology
- 814V, Independent Study

**Related Cognate Courses**
- (courses selected with cognate departments and advisor approval from Business Administration, Psychology, Social Welfare, Sociology, Public Administration, plus other approved areas.

Satisfactory completion of the comprehensive examination or an alternative problem solving exercise.

**Master of Science in Correction**

**Required Core Courses**
- 801V, Criminal Justice Planning and Innovation
- 802V, Seminar in Administration of Justice
- 807V, Theoretical Criminology
- 812V, Criminal Justice Research Theory and Methodology

**Related Core Courses**
- (student selects 3 with advisor approval)
- 804V, Seminar in Community Services and Treatment
- 806V, Seminar in Institutional Reorganization
- 808V, Seminar in the Processes of the Criminal Justice System
- 809V, Seminar in Delinquency, Prevention, Control and Correction
- 811V, Special Problems in Criminal Justice
- 814V, Independent Study

**Related Cognate Courses**
- (courses selected with cognate departments and advisor approval from Business Administration, Psychology, Social Welfare, Sociology, Public Administration, plus other approved areas.

Satisfactory completion of the comprehensive examination or an alternative problem solving exercise.

**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.

All students who intend to become degree candidates must complete core requirements consisting of a course in research methods and one history seminar. As soon as possible after completing the core requirements, the student must schedule and participate in an oral candidacy and placement examination conducted by the Graduate Program Committee of the student's Graduate Committee (if appointed). Following this examination, the decision will be made as to whether the student will follow a thesis or non-thesis program and a program of studies will be submitted to the Graduate Office. The student must then complete either of the following plans of study approved for him or her:

**Option I:**
Successful completion of 24 semester hours of course work including at least 9 hours in 800V-level courses, plus a thesis (6 credit hours) based on a proposal approved by the student's committee, plus an oral examination over the student's field of study.

**Option II:**
Successful completion of 36 semester hours of course work including at least 15 hours in 800V and 900V-level courses, and an independent research or creative project in dramatic criticism, film, theatre history, or theatre production; plus a written examination over his or her area of major emphasis, judged by a faculty committee.

**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 must include a balanced coverage of the major areas in economics. At least 15 hours of the required 30 hours, including theses, must be courses numbered at the 800V-level or above. Students must also successfully complete Economics 820V, 822V, and 829V.

As part of the required 30 hours, graduate course work in related fields may be taken, up to a total of not more than 9 semester hours.

**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 24 hours must be approved at the 800V-level or above. Students must also successfully complete Economics 820V, 822V, and 829V.

As part of the required 24 hours, graduate course work in related fields may be taken, up to a total of not more than 9 semester hours.

**Educational Administration and Supervision**

Admission to the Program:
- Applicants must furnish all credentials requested in the standard application for admission to Graduate Studies.
- Applicants must hold a Bachelor's degree from a regionally accredited institution.
- Applicants must have at least two years of experience as a certified teacher.

Admission to Candidacy:
- Applicants must have taken nine approved courses with grades of B or better. Normally students should expect to take no less than 18 approved hours after admission to candidacy. Students taking course work beyond the nine hours do so at their own risk since such course work has had prior approval.
- Applicants must have taken either the Graduate Record Examination — verbal, quantitative and advanced (Educational) or the Miller Analogies Examination.
- Applicants must complete the Admission to Candidacy application which requires reference recommendations and approval of a program by an advisor. This application should be procured immediately upon completion of nine hours and the qualifying examination.

Administrative Certification:
In order to obtain a Standard Administrative and Supervisory Certificate, a person must receive institutional endorsement as well as meet the basic state requirements. Information with respect to endorsement will be provided upon request from the department.

Master of Science
Program Design
The Master of Science degree, with a major in Educational Administration, has been designed to allow the department to endorse a student to be either a school administrator or a secondary years of teaching experience will receive institutional endorsement.

Major in Elementary Administration and Supervision

I. Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDAD 820V</td>
<td>Introduction to Research</td>
<td>15 hours</td>
</tr>
<tr>
<td>EDAD 840V</td>
<td>Admin. &amp; Superv. in the Elem. School</td>
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</tr>
<tr>
<td>EDAD 849V</td>
<td>Practicum I in EDAD</td>
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<tr>
<td>EDAD 849V</td>
<td>Practicum II in EDAD</td>
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<tr>
<td>EDAD 849V</td>
<td>Practicum III in EDAD</td>
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<tr>
<td>EDAD 849V</td>
<td>Practicum IV in EDAD</td>
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<tr>
<td>EDAD 849V</td>
<td>Practicum V in EDAD</td>
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II. Selected courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDAD 810V</td>
<td>Research Project in EDAD</td>
<td>12 hours</td>
</tr>
<tr>
<td>EDAD 820V</td>
<td>Data Processing in EDAD</td>
<td></td>
</tr>
<tr>
<td>EDAD 830V</td>
<td>Seminar in EDAD</td>
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<tr>
<td>EDAD 840V</td>
<td>Admin. &amp; Superv. in Junior High School</td>
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<tr>
<td>EDAD 855V</td>
<td>School Business Management</td>
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<td>EDAD 860V</td>
<td>School Finance</td>
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<tr>
<td>EDAD 865V</td>
<td>School Planning and Operation</td>
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<td>EDAD 870V</td>
<td>Organization and Admin. of the Physical Plant</td>
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<tr>
<td>EDAD 871V</td>
<td>Interpersonal Relationships in EDAD</td>
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<tr>
<td>EDAD 880V</td>
<td>Admin. &amp; Superv. of Vocational Education</td>
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<tr>
<td>EDAD 890V</td>
<td>Urban School Administration</td>
<td></td>
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<tr>
<td>EDAD 950V</td>
<td>Administration of Higher Education</td>
<td></td>
</tr>
<tr>
<td>EDAD 950V</td>
<td>School Law</td>
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</tbody>
</table>

III. Selected courses to be taken outside of the department with advis or’s approval | 9 hours |

Major in Secondary Administration and Supervision

I. Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FED 801V</td>
<td>Introduction to Research</td>
<td>15 hours</td>
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<tr>
<td>EDAD 830V</td>
<td>Admin. &amp; Superv. in the Secondary School</td>
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<tr>
<td>EDAD 840V</td>
<td>Practicum I in EDAD</td>
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<td>EDAD 841V</td>
<td>Practicum II in EDAD</td>
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<td>EDAD 849V</td>
<td>Practicum III in EDAD</td>
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<td>EDAD 849V</td>
<td>Practicum IV in EDAD</td>
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<td>EDAD 849V</td>
<td>Practicum V in EDAD</td>
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</table>

II. Selected Courses from the following:

<table>
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<th>Course Code</th>
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<tr>
<td>EDAD 880V</td>
<td>Admin. &amp; Superv. of Vocational Education</td>
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<tr>
<td>EDAD 890V</td>
<td>Urban School Administration</td>
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<tr>
<td>EDAD 890V</td>
<td>Admin. of Higher Education</td>
<td></td>
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<tr>
<td>EDAD 950V</td>
<td>School Law</td>
<td></td>
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</tbody>
</table>

III. Selected courses to be taken outside of the department with advis or’s approval | 9 hours |

Specialist in Education
This outline of program includes the work which might typically constitute the fifth and sixth years of collegiate work. The total coursework for both M.S. and Ed.S. would accumulate to not less than 72 semester hours. Each student’s work will be designed by the student’s advisor.

Admission to the Program
Applicants must be admitted to Graduate Studies.

2. Applicants must hold a Master’s degree from a regionally accredited institution. All graduate work taken by the applicant prior to admission to the program must have a grade point average of 3.25.

3. Applicants must hold standard certification in educational administration and show evidence of having completed at least one year of experience in an educational administrator or supervisor.

4. Applicants must have taken either the Graduate Record Examination — verbal, quantitative, and advanced (Education) or the Miller Analogy Test. Scores on the GRE must total at least 1200 and the score of the M.A. must be at the 30th percentile or better. Acceptance of candidates with scores falling below those indicated here would be determined by committee action.

5. A recommendation for study for the Ed.S. degree must be made by the advisor. This recommendation must be made prior to a second registration. Usually, it will precede the initial registration.

Residency Requirement
Candidates are required to pursue a portion of their work in residence. It may be fulfilled in one of the following ways:
1. As a full-time student (12-hour load) during one semester of the academic year.
2. As a full-time student (12-hour load) during two consecutive summer terms of the same summer session.

Program Design
The program has been designed to include the flexibility needed by at least three groups of students: (1) those preparing to become school principals; (2) those preparing to become school superintendents; (3) those preparing to become special education administrators and supervisors.

The following courses are the administrative seminars (Ed. Ad. 800 U and 801 U) and the field project (Ed. Ad. 811 U).

I. Core Professional Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDAD 801U</td>
<td>Admin. &amp; Superv. in the Elementary School</td>
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<tr>
<td>EDAD 811U</td>
<td>Practicum I</td>
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<tr>
<td>EDAD 811U</td>
<td>Practicum II</td>
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II. Related Professional Courses

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<td>EDAD 950V</td>
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</table>

III. Related Cognate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDAD 800U</td>
<td>Admin. &amp; Superv. in the Secondary School</td>
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</tr>
<tr>
<td>EDAD 811U</td>
<td>Practicum I</td>
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<tr>
<td>EDAD 811U</td>
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<tr>
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<tr>
<td>EDAD 811U</td>
<td>Practicum V</td>
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</tbody>
</table>

Procedures in the Program
Upon inquiry about the program in the Graduate Office, students are assigned an advisor by the Chairman of the Department. The advisor will conduct a screening interview, the results of which shall become a part of the student’s permanent record. In questionable cases, the advisor or the Dean of the College of Education will conduct a second screening interview. Usually, it will precede the student’s permanent record.

Advisement and the Committee
The committee will meet to consider the student’s planned program and preliminary coursework, at which time the student should apply for degree candidacy. Upon acceptance into candidacy, the tentative program shall become the permanent planned program.

Time Limit for Completion of Program
The student must complete the requirements for the Ed.S. degree during a five-year time limit beginning with the date of entrance to the first course used in the plan of study following the completion of the Master’s degree.

EDUCATIONAL FOUNDATIONS
Graduate courses offered by the Department of Educational Foundations serve two purposes. First, courses are offered to fulfill requirements established in the various departments offering graduate degrees in education or as cognate or electives on any approved program of study. Second, courses are offered as part of the Master of Science Degree in Education — Urban Education Major

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

It is expected that students will be able to critically analyze the logic and structure of the educational institution, and the inter-relationships of education and other primary social institutions. Many of the courses offered in the program are designed specifically to facilitate an analysis of the ethnic, racial, and social class pluralism characteristic of the contemporary urban scene. It is also expected that students will develop an awareness of, and the ability to handle the learning problems of urban youth. The program emphasizes a cultural awareness and sensitivity to the varied lifestyles within the urban setting, and specific skills to function effectively as an educator. In addition, attention will be focused on a review of existing programs and the development of new strategies for change and the improvement of education.

Entrance Requirements

Students interested in the degree program must initially:

1) Obtain a Bachelor's degree from an accredited institution.
2) Submit completed application forms for Graduate School together with the names of three references and a transcript of all previous college work.
3) Complete an interview (where possible) with the Urban Education Committee.

Admission to Candidacy

Before students can be advanced to candidacy, they must fulfill the following requirements:

1) Complete the Graduate Record Examination — verbal and quantitative. A low score may require supplemental work.
2) Complete nine graduate hours at UNO (six from the Required Course List) with grades of B or better.
3) Submit a letter of sponsorship from one member of the Urban Education Committee.
4) Submit a written statement of intent together with the application for candidacy.

Graduation Requirements

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

1) Complete a minimum of thirty-six graduate hours. (Twelve are required, six selected from the Education Electives, eighteen selected from the Allied Electives List.)
2) Assist and/or participate in departmental colloquium activities.
3) Complete both the written and oral sections of the final examination.
4) Complete practicum and/or field study in the immediate locality, another American metropolitan area, or overseas.

PROGRAM

This program will consist of a minimum of thirty-six hours selected from the following course offerings. Twelve hours are required; six hours to be selected from the Education Electives List; eighteen hours to be selected from the Allied Electives List.

**Required (12 Hours)**

- FED 810V: Introduction to Research
- FED 820V: Educational and Society
- FED 830V: Urbanization
- FED 840V: Practical or Special Projects
- FED 848V: Practicum or Special Projects

**Education Electives (6-9 Hours)**

- FED 819M: Mental Health
- FED 839M: Growth and Learning Problems of the Disadvantaged
- FED 840V: Seminar in Educational Leadership
- FED 842V: Alternative Settings in Education
- FED 811V: Conflict and Controversy in Urban Education
- FED 812V: Education and Cultural Change
- FED 835V: Field Research in Educational Methods
- FED 840V: Poverty and Education
- FED 848V: Field Study (U.S. or Overseas) (Courses in Preparation)

**Allied Electives (15-18 Hours)**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3 Hours</td>
</tr>
<tr>
<td>ECON 811M: Government and Labor</td>
<td>3 Hours</td>
</tr>
<tr>
<td>ECON 819M: Collective Bargaining</td>
<td>3 Hours</td>
</tr>
<tr>
<td>ECON 890V: Economic Education</td>
<td>3 Hours</td>
</tr>
<tr>
<td>ECON 888V: Economic Education II</td>
<td>3 Hours</td>
</tr>
<tr>
<td>ECON 899V: Independent Study in Urbanism</td>
<td>3 Hours</td>
</tr>
<tr>
<td>ECON 889V: Research Seminar in Urban Community</td>
<td>3 Hours</td>
</tr>
<tr>
<td>ECON 886V: Seminar in Urban Economics</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Counseling</td>
<td>3 Hours</td>
</tr>
<tr>
<td>COUP 808M: Guidance Skills for Secondary Teachers</td>
<td>3 Hours</td>
</tr>
<tr>
<td>COUP 891M: Group Evaluation Techniques</td>
<td>3 Hours</td>
</tr>
<tr>
<td>COUP 872M: Community Involvement for Urban Counselors</td>
<td>3 Hours</td>
</tr>
<tr>
<td>COUP 893M: Guidance Services for the Disadvantaged Youth</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Geography</td>
<td>3 Hours</td>
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<tr>
<td>GEOG 812M: Urban Geography</td>
<td>3 Hours</td>
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<tr>
<td>GEOG 899M: Urbanization</td>
<td>3 Hours</td>
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<tr>
<td>GEOG 821V: Cultural Geography</td>
<td>3 Hours</td>
</tr>
<tr>
<td>History</td>
<td>3 Hours</td>
</tr>
<tr>
<td>HST 812M: American Social and Intellectual History since 1605</td>
<td>3 Hours</td>
</tr>
<tr>
<td>HST 827M: 20th Century America</td>
<td>3 Hours</td>
</tr>
<tr>
<td>HST 829M: 20th Century America, 1933 to present</td>
<td>3 Hours</td>
</tr>
<tr>
<td>HST 844M: American Urban History since 1870</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Political Science</td>
<td>3 Hours</td>
</tr>
<tr>
<td>POL SCI 812M: Public Opinion and Political Behavior</td>
<td>3 Hours</td>
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<tr>
<td>Psychology</td>
<td>3 Hours</td>
</tr>
<tr>
<td>PSY 859V: Learning in Children</td>
<td>3 Hours</td>
</tr>
<tr>
<td>PSY 859V: Social and Personality Development</td>
<td>3 Hours</td>
</tr>
<tr>
<td>PSY 832V: Tests and Measurements</td>
<td>3 Hours</td>
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<tr>
<td>Social Work</td>
<td>3 Hours</td>
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<tr>
<td>SW 820M: Human Behavior and the Social Environment</td>
<td>2 Hours</td>
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<tr>
<td>SW 823M: Physical Components of Social Functioning</td>
<td>2 Hours</td>
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<tr>
<td>SW 872M: Public Welfare Organization</td>
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<tr>
<td>SW 891M: Public Social Welfare Policy</td>
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<tr>
<td>Sociology</td>
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<tr>
<td>SOC 801M: Social Control of Behavior</td>
<td>3 Hours</td>
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<tr>
<td>SOC 802M: Collective and Exchange Behavior</td>
<td>3 Hours</td>
</tr>
<tr>
<td>SOC 803A: Advanced General Sociology</td>
<td>3 Hours</td>
</tr>
<tr>
<td>SOC 819M: The Community</td>
<td>3 Hours</td>
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<tr>
<td>SOC 814M: Sociology of Deviant Behavior</td>
<td>3 Hours</td>
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<tr>
<td>SOC 815M: Urban Sociology</td>
<td>3 Hours</td>
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<tr>
<td>SOC 816M: Seminar in Cross Cultural Communication</td>
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<tr>
<td>SOC 816M: Social Work</td>
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<tr>
<td>SOC 817M: Social Change</td>
<td>3 Hours</td>
</tr>
<tr>
<td>SOC 886V: Independent Study in Urbanism</td>
<td>3 Hours</td>
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<tr>
<td>Business Administration</td>
<td>3 Hours</td>
</tr>
<tr>
<td>BA 812J: The Legal Environment of Business</td>
<td>3 Hours</td>
</tr>
<tr>
<td>BA 801V: Business and Society</td>
<td>3 Hours</td>
</tr>
<tr>
<td>BA 831V: Human Behavior in Organization</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3 Hours</td>
</tr>
<tr>
<td>CE 886M: Urban Systems I</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Geology</td>
<td>3 Hours</td>
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<tr>
<td>GEOE 880M: Educational Geology</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Journalism</td>
<td>3 Hours</td>
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<tr>
<td>JOUR 882M: Public Relations</td>
<td>3 Hours</td>
</tr>
<tr>
<td>JOUR 883M: Mass Communications and Public Opinion</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Urban Studies</td>
<td>3 Hours</td>
</tr>
<tr>
<td>US 810V: The Metropolis as a Public Enemy</td>
<td>3 Hours</td>
</tr>
<tr>
<td>US 822V: Race Ethnicity, and American Urban Culture</td>
<td>3 Hours</td>
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</tbody>
</table>

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

ELEMENARY AND EARLY CHILDHOOD EDUCATION

Master of Arts

Programs for the Master of Arts degree with a major in elementary education will be determined by the master's advisor, upon request.
Admission to the Program

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

Candidacy for the Degree

1. A plan of study and admission to candidacy are completed in conference with the student’s advisor when 90 hours of graduate work have been completed. This plan of study must be approved by the Department and the Graduate Office.
2. A written comprehensive examination is required during the semester in which a student completes the program. Application for the examination must be made by the third semester of Graduate Studies in the department. The examination covers coursework taken and its content is determined by each individual student’s program.

Non-Degree-Seeking Students

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

Non-Degree Program Particulars

I. Required Courses
   a. EEO 181V, Introduction to Research
   b. EEO 182V, History and Philosophy of Education
   c. EED 819V, Diagnostic and Corrective Instruction
   d. EED 829V, Innovations and Trends in Elementary Education
   e. EED 834V, Introduction to Curriculum Planning — Elementary
   f. EED 844V, Seminar in Elementary Education
   g. EDAD 846V, Administration and Supervision in Elementary Schools
II. Area of Concentration
   Each student will include in his Plan of Study, an area of concentration in a special field which will provide depth in an area of his interest. All concentrations will be decided upon in conference with the student’s department.
   a. Health Education
   b. Recreation Education
   c. Physical Education
   d. Educational Media
   e. Academic Concentration. E.g. history, English, mathematics
   f. Research

ENGLISH

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

All candidates for Master of Arts degrees in English are required to take English 801V (Introduction to Literary Research) and to complete one of the following plans of study.

Plan A: Special completion of 24 credit hours including at least 12 hours in 800V-900V level courses, plus a thesis (6 credit hours) on an approved topic accepted after oral defense before a faculty committee; plus a written examination prepared and judged by a faculty committee.

Plan B: Special completion of 36 credit hours in course work, including at least 18 hours in 800V-900V level courses, plus a written examination prepared and judged by a faculty committee.

The following English seminars in major periods vary in emphasis and may be repeated for credit:
English 804V, 806V, 808V, 810V, 813V, 820V, 898V, 912, 915

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 those preparing themselves in physical geography. Each degree has two options for students electing to do major work in physical geography. Each degree has two options for students electing to do major work in physical geography. Each degree has two options for students electing to do major work in physical geography. Each degree has two options for students electing to do major work in physical geography. Each degree has two options for students electing to do major work in physical geography.

Master of Science

Major in Physical Education
To be admitted to this degree program, students must possess an undergraduate major or minor in physical education. Students pursuing the Master of Arts Degree with a major in physical education must also complete the following: a minimum of 12 graduate credits in graduate courses numbered 800V-899V and 899V, and at least 15 under graduate credit hours of 100V-199V courses in the areas of health education (HEA), recreation education (RAC), and physical education (PE). The student must maintain a minimum overall GPA of 3.0 or above.

Admission Requirements

An applicant for admission to the Master of Arts or the Master of Science degree program in geography must present a minimum of 24 semester hours of coursework in geography, including Physical (106 or 107 or 117), and Cartography (253). Individual programs of study will be designed for incoming graduate students on the basis of GRE scores and personal interview. This should enable each student and his advisor to construct a program oriented to individual needs and desires. A Master of Arts degree is approved for either an M.A. or M.S. degree include Geography Concepts, History and Theory, Geographic Research, Quantitative Methods, and Philosophy of Geography, 801V, and Geography Concepts. A Master of Science degree is approved for either an M.A. or M.S. degree include Geography Concepts, History and Theory, Geographic Research, Quantitative Methods, and Philosophy of Geography, 801V, and Geography Concepts.

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The Master of Arts and the Master of Science degrees are offered with a major in physical education.
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 or she must make arrangement
   with his 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
      major area. 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 two three-hour segments, with the breaking point for the two segments
      being chosen by the student, and the result being recorded on a pass or fail basis.
   c. If the candidate offers an outside minor, the minor department and adviser will be
      responsible for the minor examination.

3. The reading committee will consist of the sponsor and one other graduate faculty member
   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 in consultation with the sponsor and candidate. Both readers of the major and all
   readers of the minor area must agree that the candidate has passed the examinations for which they are responsible.
   In the event of a disagreement, a third reader may be consulted as a mediator, and the result of
   the consultation shall be the final 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 is passed 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 Graduation, certifying the candidate for conferral of the degree.

HOMOECONOMICS

Home Economics graduate offerings at UNO may be used to satisfy, in part, the individual
programs which will be determined in consultation with the appropriate graduate committee. It will
normally be necessary to take additional courses on the Lincoln campus, though additional graduate
course offerings from the Lincoln listings will be available in Omaha periodically upon
application and staff.

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 determine specific
course deficiencies.

Application to be made to Graduate Studies, Lincoln Campus. In addition to this, an important
step in applying for a graduate program is to consult with the chairman of the appropriate department.
In Lincoln, Dean Hall, Omaha Division, will assist in making such appointments.

Interdisciplinary Area:
Students applying for study in the Interdisciplinary Area must hold a bachelor's degree in Home
Economics or equivalent. The undergraduate work must have included the equivalent of 24 hours in
Home Economics, distributed in at least three subject matter areas and 20 hours in Natural and Social
Sciences. The equivalent of 9 hours in the Natural and Social Sciences. Work leading to the master's degree in Home Economics may be completed under Option I, II, or III.
(Specific Studies Bulletin Lincolns II) Option I. This option requires that the thesis research must be done
in one of the four cooperating departments. Under any option not more than one-half of the total
program (30 hours) may be included, including thesis research when applicable, major course work
in the subject matter areas. These subject matter areas are: Education and Family Relations;
Food and Nutrition; Human Development and the Family; Textiles, Clothing and Design. At least 6
hours of the remaining work must be completed in one or more of the subject matter areas other
than the major. Additional supporting courses to complete the program may be carried in

THE GRADUATE BULLETIN
Admission Requirements: Admission to a degree program is based on evidence of mathematical ability. Admission is usually expected to have completed fifteen acceptable college courses. As in undergraduate courses beyond calculus, and to have an average of B or better during the last two undergraduate years, in some cases where the above criterion is not met, a provisional admission may be granted provided the applicant is willing to take mathematics beyond calculus and to complete undergraduate years.

Human Development and the Family — Candidates for the Master of Science degree in Human Development and the Family must hold a Bachelor of Science degree or a Bachelor of Arts degree from an accredited college and have completed undergraduate preparation equivalent to that required in the Basic General Education Core in the College of Education with at least 10 hours from a minimum of six undergraduate courses in Biochemistry, in Microbiology, and in Physiology for a total of at least 18 hours in Food, Nutrition, Chemistry, and Biological Science.

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

MATHEMATICS

Admission Requirements: Admission to a degree program is based on evidence of mathematical ability. Admission is usually expected to have completed fifteen acceptable college courses. As in undergraduate courses beyond calculus, and to have an average of B or better during the last two undergraduate years, in some cases where the above criterion is not met, a provisional admission may be granted provided the applicant is willing to take mathematics beyond calculus and to complete undergraduate years.

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

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

b. Complete a thesis to be selected from 811M, 812M, 820M, 827M, and 827M in the program if he has not had the equivalent as an undergraduate.

c. Complete a comprehensive examination.

d. Choose mathematics courses which carry a number of 8000 or above and at least 18 credit hours which carry a number of 8000 or above.

e. Include mathematics courses in 811M-812M, 820M-827M, and 827M in the program if he has not had the equivalent as an undergraduate.

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

a. Earn a total of 30 credits in mathematics.

b. Complete a thesis of 12 semester hours, which may be applied toward the 30-hour total.

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

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

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

1. Has state certification for teaching secondary school mathematics.

2. Has demonstrated a "B" average in previous mathematics coursework including at least two years beyond the high school level.

The above conditions are considered normative and a student not meeting them may be admitted to the program only as a result of special action by the M.A.T. program committee.

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

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

b. Include in his program mathematics courses 801T, 807T, 830T, 834T, 823M-824M, 811M-814M, and either 812M or 827M. All but the designated "T" course requirements may be waived if the department has been taken as an undergraduate. The remaining credits in the program may be chosen from any which carry a number of 8000 or above. (By request to the M.A.T. program committee, permission may be granted to choose certain 8000 level mathematics courses.)
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, educational, child, and school psychology, and in developmental psychology. Students may be considered for admission to a doctoral program if they are doing excellent work toward the M.A. or have completed that degree. 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 his research interests as determined by his Supervisory Committee and the departmental Graduate Committee. Specific arrangements and procedures for the Ph.D. degree are printed in the Graduate Studies Bulletin of the University of Nebraska-Lincoln.

Special Programs Leading to Certification in School Psychological Services

Psychological Assistant

Students who are pursuing work toward the M.A. or M.S. in educational psychology may simulta-
neously complete requirements for endorsement in Nebraska as a Psychological Assistant. Those
seeking such endorsement are encouraged to apply to the Psychology Department at the same time
they make application for a degree candidacy in order to ensure that required courses are included
in the plan of study for the degree. In any event, students must have been accepted in this program
before enrolling in Psychology 853V or 854V. Application should be made to the Psychology De-
partment and those three letters of recommendation are required. Required courses for this program are:
Psychology 831M (431), 800V, 853V, 854V, and 897V. Also, one of the following is required:
Psychology 845M (455), 855M (455), 860M (460). The student must also have had course work in both
learning and developmental psychology.

School Psychologist

Students holding Master’s degrees may be admitted to do additional work leading to recommenda-
tion for certification as a school psychologist if they show promise of ability to succeed beyond the
Master’s level. Application for such admission must be filed with the Psychology Department, accom-
npanied by a vita including names of three individuals willing to write reference letters. Students who
have not been admitted to Graduate Studies for their Master’s degree program must also apply to the
Director of Graduate Studies, and supply two official transcripts from previous institutions and
members of the Department of Psychology. If the applicant has not completed a Master’s program
equivalent to that required for the Master of Science in Educational Psychology, he may be required
either to take additional graduate courses or to complete successfully a six-hour qualifying examina-
tion in general and educational psychology.

A total of 30 semester hours of work beyond the Master's degree is required for the recommendation.
These 30 hours must be taken after the applicant has been accepted into the program and received
the Master's degree. At least 12 of these hours must be completed within three years after the master's
semester. For certification of school psychologists, many states require teaching certification or two
years of professional work experience in the schools.

Filing of an accepted plan of study with the Graduate Office will be required on admission to the
program. Students will arrange their programs according to the subject matter areas below. It is
expected that 75 percent of the required courses will have been taken as part of the Master’s program
(or, in some cases, an undergraduate program). In this event, other course work in psychology or
education may be required in order to make a total of 30 semester hours. All required courses must be
completed, however, even if the total exceeds 30 hours of post-master’s work. Since individuals
may have widely variant backgrounds, considerable flexibility is allowed in choice of elective
courses. Final decision on the appropriateness of a program rests with the Psychology Department.

1. Required Courses in Psychological Methods

Psychology 831M (or 431) Psychological and Educational Testing
Psychology 832M Professional Psychology
Psychology 853V Individual Tests I
Psychology 854V Individual Tests II
Psychology 851V Advanced Educational Psychology
Psychology 919 Personality Assessment
Psychology 917 Seminar in School Psychology (3.5-9 hours)
Psychology 997 Practicum in School Psychology
One of the following two courses:
Psych 855V Introduction to Therapeutic Techniques with Children
Psych 855V Behavior Modification
One of the following four courses:
Psych 855M (or 455) Relational Psychology
Psych 859M (or 459) Psychology of Exceptional Children

2. Required Professional Education Courses

COED 920V Counseling Practicum
EDAD 806V Foundations of Educational Administration and Supervision
EDAD 806M Emerging School Curriculum

3. Breadth Requirement

One to three courses in basic psychology (outside of the student’s area of specialization) and one to
three courses from Special Education, Counseling and Guidance, or other professional education fields
beyond those specifically named as requirements.

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 research or teaching in this field; (3) for those
already in the public service who are seeking such endorsement as a school psychologist if they show
promise of ability to succeed beyond the Master’s level. In any event, students must have been accepted
in this program before enrolling in Psychology 853V or 854V. Application should be made to the Psychology
Department and three letters of recommendation are required. Required courses for this program are:
Psychology 831M (431), 800V, 853V, 854V, and 897V. Also, one of the following is required:
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learning and developmental psychology.

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the Master’s degree. At least 12 of these hours must be completed within three years after the master's
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years of professional work experience in the schools.

Filing of an accepted plan of study with the Graduate Office will be required on admission to the
program. Students will arrange their programs according to the subject matter areas below. It is
expected that 75 percent of the required courses will have been taken as part of the Master’s program
(or, in some cases, an undergraduate program). In this event, other course work in psychology or
education may be required in order to make a total of 30 semester hours. All required courses must be
completed, however, even if the total exceeds 30 hours of post-master’s work. Since individuals
may have widely variant backgrounds, considerable flexibility is allowed in choice of elective
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One of the following four courses:
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2. Required Professional Education Courses

COED 920V Counseling Practicum
EDAD 806V Foundations of Educational Administration and Supervision
EDAD 806M Emerging School Curriculum

3. Breadth Requirement

One to three courses in basic psychology (outside of the student’s area of specialization) and one to
three courses from Special Education, Counseling and Guidance, or other professional education fields
beyond those specifically named as requirements.
General Public Administration (15 hours from the following selected list in consultation with Adviser. It is possible under exceptional circumstances to substitute other courses with approval of Adviser.)

- P.S. 805M, The Legislative Process
- P.S. 806M, The Judicial Process
- P.A. 843M, Municipal Administration
- P.A. 845M, State Administration
- Econ 850M, State and Local Finance
- P.S. 851V, Seminar in Public Law
- P.A. 840V, Seminar in Public Administration
- P.A. 846V, Seminar in Public Personnel Management
- P.A. 847V, Seminar in Public Financial Management
- P.A. 851V, Urban Seminar in Metropolitan Planning and Development
- Econ 857V, Seminar in Regional Economics

Gerontology Option (15 hours to include the following plus one more course at the 8000 level selected in consultation with Adviser to fit the students particular needs.)

- Geog 811M, Applied Social Gerontology
- Geog 855M, Health Aspects of Aging
- Geog 858M, Gerontology Psychology
- Geog 892M, Special Studies in Gerontology

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

- P.A. 843M, Municipal Administration
- Econ 850M, State and Local Finance
- P.A. 846V, Seminar in Public Administration
- P.A. 851V, Urban Seminar in Metropolitan Planning and Development
- Econ 857V, Seminar in Regional Economics
- P.A. 852V, Readings in Public Administration

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

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

The objective of the program is to develop a broad-based Civil Engineering plan of study for public administration students who have 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 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.

- C.E 468, Traffic Engineering
- C.E 468A, Transportation Geometrics
- C.E 468B, Urban Transportation Planning
- C.E 468C, Transportation Planning and Economics

Sanitary
- C.E 650, Environmental Quality and Control — Land, Air, and Water
- C.E 651, Environmental Pollution Control

Water Resources
- C.E 614, Water Resources Planning
- C.E 916, Case Studies in Water Resources

Design and Construction
- C.E 469, Pavement Analysis and Design
- C.E 842, Construction Management

Social Work or Social Welfare Option (15 hours from the following selected list in consultation with Adviser.)

- SW 820, Human Behavior and the Social Environment
- SW 821, Human Behavior and the Social Environment
- SW 851, Social Welfare Policy & Services

SECONDARY/POST-SECONDARY EDUCATION

Major in Secondary Education

Programs in Secondary Education are developed on an individual basis by the student and his instructor. The student is advised that extension academic background the instructional skills of secondary school teachers. To pursue degree work in the Department, students must hold a valid secondary teaching certificate. During the first semester of enrollment students must take the Graduate Record Examination. To be admitted to candidacy they must have a combined score of 300 on the Graduate Record Examination and Advanced GRE Test. They must also complete the following requirements:

- More than 18 hours of graduate work and
- In a program of graduate study and

Master of Science

Students seeking the Master of Science Degree in a major in Secondary Education are required to have a valid secondary teaching certificate. The student must complete a minimum of 18 hours of master's work in a major from the list below. No more than 18 hours of credit may be used in the proposed program of graduate study.

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<tr>
<th>AREA</th>
<th>Min</th>
<th>Max</th>
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<tbody>
<tr>
<td>I. SED Core</td>
<td>1</td>
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<tr>
<td>II. Research</td>
<td>1</td>
<td>3</td>
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<tr>
<td>III. Professional Specialization</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>IV. Related Academic Courses</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

Master of Arts

Students seeking the Master of Arts Degree with a major in Secondary Education are required to complete 18 hours of master's work from the areas indicated below. No more than 18 hours of credit may be used in the proposed program of graduate study. No more than 18 hours of credit may be used in the program of graduate study. No more than 18 hours of credit may be used in the program of graduate study.
**SOCIAL WORK**

The Profession of Social Work

Social work is one of the "helping professions" concerned with the quality of human life. Specifically, the social worker is concerned with man's ability to function meaningfully and effectively in transaction with his environment (i.e., his family, friends, associates, and the world at large). The social worker brings systematized knowledge to bear on his dealings with people individually, in families, in other group and social settings, in communities, and in other organizations with a view to helping in the resolution of problems which cause stress in social transaction.

In the end, social workers are employed in public and private counseling agencies and services, medical settings, schools, residential and community agencies providing care for the mentally ill and retarded, court and correctional agencies, community planning, and development agencies and programs. Their endeavors and interventions are designed to promote more effective functioning of society as it struggles to "provide for the general welfare" as well as to help the people, families, groups, and institutions within the society toward self fulfillment.

Requirements for the Degree of Master of Social Work

1. A minimum of one year in residence
2. Two are programs leading to the Master of Social Work degree. One requires 55 credit hours in graduate social work study, usually requiring a minimum of two full academic years. An advanced standing program requires 26 credit hours in graduate social work study, usually requiring a full calendar year of work. Individual student programs for either option must be designed by the student together with the faculty of the School. In the 55 credit hour program, not less than 25 hours must be completed at the University of Nebraska, and not less than 14 hours must be in practicum. In the 36-hour option, all work must be completed at the University of Nebraska, and not less than 8 hours must be in field work.
3. Both options require completion of an individual or group research requirement or its equivalent as defined by the School.

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

**SOCIOLOGY**

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

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

Two of these comprehensives — Social Theory, and Methodology and Statistics — are required of all graduate students; the remaining examinations are selected by the student, in consultation with his graduate adviser, from a list available through the Sociology Office. The examinations are given a minimum of twice annually, and other times as required. Detailed explanations of graduate requirements should be secured through the Sociology Office.

The M.A. degree should be sought by students preparing for college-level teaching and continued academic work; the M.S. degree as preparation for field or action sociology.

**Master of Arts**

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

**Master of Science with a Major in Applied Sociology**

A student contemplating this degree is expected to complete Sociology 801V and a minimum of 21 additional graduate semester hours, at least nine of which are from the 900-level selection. In addition, the student must complete satisfactorily six semester-hour equivalents of a supervised work experience. In addition, the student must complete satisfactorily six semester-hour equivalents of a supervised work experience. In addition, the student must complete satisfactorily six semester-hour equivalents of a supervised work experience.

Deemed requirements for the M.S. degree with a major in applied sociology should be secured through consultation with the Sociology Office.

Colloquia

Each graduate student in Sociology is required to attend, without credit, the departmental colloquium as scheduled.

**SPECIAL EDUCATION**

**Master of Arts With A Major in Speech Pathology**

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

1. Pass an examination to determine adequate personal voice and speech proficiency and which is deemed necessary for graduate students in the area of speech pathology (offered by the Speech and Hearing Clinic of the College of Arts and Sciences, University.)
2. Have successfully completed a minimum of twenty-four semester hours of work preparatory to admission to the major. These hours are to include the following courses or their equivalents:
   - SPED 341, Introduction to Communication Disorders
   - SPED 435, Basic Audiology
   - SPED 436, Speech Science I: SPED 444, Speech Pathology I: SPED 443, Speech Pathology II
   - SPED 493, Speech Reading and Auditory Training
   - SPED 494, Speech Science II
   - SPED 450, Speech Science III
   - SPED 475, Childhood Communication Disorders
   - SPED 476, Second Language Disorders
3. For those students who wish to work toward special state certification in the schools, advisor consultation should be sought early in the senior year to ensure that special state certification is available in another course.
4. Twenty-four semester hours of course work and practicum. These hours may be taken from the following:
   - Required Courses:
     - FEFD 801V Introduction to Research
     - SPED 851V Advanced Clinical Practicum in Speech Pathology (Schools)
     - SPED 852V Advanced Clinical Practicum in Speech Pathology (Externship)
   - SPED 846V Special Evaluation
   - SPED 848V Advanced Audiology
5. 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.

**With a Major in Mental Retardation**

The Master of Arts degree with a major in mental retardation is a program primarily designed for persons certifying in special education. It involves a concerted course of study in areas of mental retardation and in concepts designed to improve and advance competencies of individuals 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 of Graduate Studies and the major adviser.
2. Applicants must hold a teaching certificate in special education or be within 15 credit hours of certification.
3. Students must undergo course work which will lead to:
   - a. a major in 24 hours in mental retardation.
The Master of Science degree in Speech Pathology involves the following requirements:

1. 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.)

2. 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 611, Introduction to Communication Disorders; SPED 433, Speech Reading and Auditory Training; SPED 457, Hearing Loss and Audiology; SPED 425, Speech Science I; SPED 443, Speech Pathology I; SPED 444, Speech Pathology II; SPED 445, Speech Science II; SPED 450, Communication Disorders for Elementary and Secondary Schools; SPED 451, Basic Practicum Speech, 475, Child Language Disorders.

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.)

3. Sixty-six hours of course work and practicum. These hours may be taken from the following:

**Required Courses**

FED 801V, Introduction to Research
SPED 690V, Diagnostic Methods in Communicative Disorders
SPED 845V, Clinical Audiology
SPED 851V, Advanced Practicum Speech (Schools)
SPED 852V, Advanced Practicum Speech (Schools)
SPED 853V, Seminar in Speech Pathology
Entrance Requirements for regular class room experiences. Lectures, demonstrations, and seminars will take place at both facilities. In addition, faculty from both facilities will be used to provide the expertise in training the student in those areas necessary to fulfill the competency requirements. Since the Meyer Children’s Rehabilitation Institute (MCRI) has been designated as the State Center for Learning Disabilities, most clinical services to children and practitioners will be provided to the student in those areas necessary to fulfill the competency requirements. This is required in order to help the student attain those competencies necessary for the completion of the program.

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

Course Work
1. Thirty (30) credit hours must be completed for endorsement as a Resource Teacher in Learning Disabilities.

2. Thirty-six (36) credit hours must be completed for the Master of Science degree in Special Education with a major in Learning Disabilities and endorsement as a Resource Teacher in Learning Disabilities.

Required Courses
A. Analysis of the Learner — 9 hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPED 890M</td>
<td>6</td>
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<tr>
<td>SPED 891</td>
<td>3</td>
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<tr>
<td>PSY 856</td>
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B. Testing and Evaluation Techniques — 6 hours from the following:

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPED 895V</td>
<td>6</td>
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<tr>
<td>PSY 859</td>
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C. Remediation Techniques — 9 hours from the following:

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPED 897V</td>
<td>9</td>
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<tr>
<td>PSY 857</td>
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D. Practicum — 6 hours

1. Required Courses

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<th>Course</th>
<th>Hours</th>
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<tr>
<td>FED 601V</td>
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2. Electives

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<td>PSY 851</td>
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Major in Teaching the Emotionally Disturbed

1. Required Courses

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<th>Course</th>
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<tr>
<td>FED 601V</td>
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2. Electives

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<td>PSY 851</td>
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</table>

***The Master of Science degree with a major in teaching the emotionally disturbed includes courses that lead to certification. The number of candidates for the degree will be monitored.
SPEECH

Master of Arts

An applicant for graduate study in Speech (Interpersonal Communication, or Theatre) must present a minimum of 15 undergraduate semester hours in appropriate courses in communication arts and sciences beyond the introductory course, including advanced work in the area in which he intends to concentrate his graduate program. Deficiencies must be made up during the first year of graduate study.

All students who intend to become degree candidates must complete core requirements consisting of one research course (Speech 801V), a theory seminar, and one additional course in the area of intended major emphasis. As soon as possible after completing the core requirements, the student must schedule and participate in an oral candidacy and placement examination conducted by the Graduate Program Committee or the student's Graduate Committee (if appointed). Following this examination, the decision will be made as to whether the student will follow a thesis or non-thesis program and a program of studies will be submitted to the Graduate Office. The student must then complete either of the following plans of study approved for him or her:

Option I
Successful completion of 24 semester hours of course work including at least 9 hours in 800V and 900 level courses; plus a thesis (6 credit hours) based on a proposal approved by the student's committee, defended orally before the committee; plus an oral examination over the student's field(s) of study.

Option II
Successful completion of 30 semester hours of course work including at least 18 hours in 800V and 900 level courses; (at least 18 hours must be in the student's field of concentration) and an independent research or creative project in writing, film, or theatre production, plus a written examination over his area of major emphasis and minor or area studies, judged by a faculty committee.

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 urban settings; (2) for research or teaching in this field; (3) for those already involved in urban programs and are seeking additional professional training.

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

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

For a student to be admitted unconditionally to the M.S. program he 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 880V, 884V, 881V, 882V; Sociology 851M; and History 844M or 812M. Courses applicable to the area of concentration may include, but are not necessarily restricted to, Political Science 839M, 843M, 880V; Public Administration 840V, 842V, 844V, 846V; Geography 881V; Psychology 991; Sociology 810M, 841M, 862M, 875M, 886M, 898M, 890M, 811M; Geography 810M, 812M, Counseling 898M, 822V, 827V. A maximum of nine hours of optional credit may be selected from Economics 883V, 885V, 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 both written and oral is required, although a thesis is not required.
Key to Symbols:
- F—offered in the fall semester of each year
- S—offered in the summer session

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

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

Course Descriptions
831M Advanced Sculpture (3) Advanced work in areas of student's choice, with facilities for oxy-acetylene, arc welding, and general metal working. Prereq: Art 331 and permission.
841M Advanced Painting (3) Practical instruction in oil painting and related media. The course gives the student the time and environment to work and develop individually. A strong emphasis is placed on a complete knowledge of contemporary art. Prereq: Art 341 and permission.
851M Advanced Printmaking (3) Intaglio or lithography processes stressing technical proficiency and personal development. Prereq: Art 351 and permission.
861M Advanced Ceramics (3) Advanced problems in the techniques of ceramics. Prereq: Art 361 and permission.
831V Graduate Sculpture (3) Advanced problems in a particular sculpture media. Prereq: Art 431 and permission.
841V Graduate Painting (3) More complex problems in the oil medium and related material. Prereq: Permission and 12 credit hours of painting.
851V Graduate Printmaking (3) Advanced problems in printmaking in either intaglio or lithography techniques. Prereq: Art 451 and permission.

Biology
Course Descriptions
823J Microtechnique (3) A course in the techniques of fixation, dehydration, staining, cleaning and mounting biological material in the manufacture of microscope slides. Prereq: Two years of biological sciences.
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: Biology 145, 175.
844J Morphology of Lower Plants (4) A course in an area of the instructor's choice, with facilities for studying the morphology, morphology, and evolutionary trends of algae, fungi, and bryophytes. Prereq: Biology 145.
853J Flora of the Great Plains (3) The classification, identification, and recognition of common vascular plants, including weeds, ornamentals, and indigenous plants, found in the Great Plains. Prereq: Biology 145.
854J Morphology of Higher Plants (4) A lecture and laboratory course covering the living and fossil vascular plants with emphasis on morphology, ecology, and evolutionary trends. Prereq: Biology 145.
863J Plant Anatomy (3) A study of cells, tissues, and organs of vascular plants with particular emphasis on internal structure of seed plants. Prereq: Biology 145.
873J Fauna of the Great Plains (3) A survey of the common animal groups found in the Great Plains, including their evolution, ecology, distribution and specific adaptations to the environment of the temperate North American grasslands. Prereq: Biology 145, 175.
874J Histology (4) Analysis of the microscopic anatomy of tissues and organs, their adaptations and functional significance. Prereq: Biology 175, and a course in vertebrate anatomy, or permission of instructor.
884J Embryology (4) An intensive study of the embryology and development of the vertebrate animal, particularly the human. From gametogenesis through organogenesis as revealed by a study of selected vertebrate embryos and fetuses. Prereq: Biology 175 and a course in vertebrate anatomy.
810M Plant Geography (same as Geography 810M) (3) A study of the worldwide geographic distribution of major vegetation types and the ecological and physiological factors that determine their location. Special attention to North America is included. Prereq: Biology 102, 145, or permission.
814M Cellular Biology (4) This course is a comprehensive study of the structure and function of plant and animal cells. Prereq: Biology 145 and 175, organic chemistry, or permission of the instructor.
818M Limnology (4) A study of the physical, chemical, and biotic relationships that serve to establish and maintain plant and animal communities in a fresh water environment. Prereq: Biology 145, 175, and organic chemistry.
Course Descriptions

818V Experimental Genetics (3) Lecture and laboratory involving experimentation with organisms. Prereq: Biology 175.

818V Biosystematics (3) A study of principles and techniques in animal and plant biosystematics. Prereq: 818V Experimental Genetics or concurrent registration in Biology 175.

821V Graduate Seminar in Biology (1) A study of current research in any of the divisions of biology. Graduate. Prereq: Graduate standing in Biology and permission of instructor.

823V Advanced Topics in General Physiology (3) Studies in general physiology including such topics as control of metabolic pathways, temperature-related phenomena, and oxygenic phytoplankton photosynthesis. Prereq: 821V Graduate Seminar in Biology and permission of the instructor.

827V Environmental Physiology (3) A detailed study of selected dynamic environmental factors. Prereq: 821V Graduate Seminar in Biology and permission of instructor.

828V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

829V Experimental Zoology (3) The study of insects. Prereq: 821V Graduate Seminar in Biology and permission of instructor.

831V Animal Endocrinology (3) A study of the endocrine and reproductive systems of vertebrates described by techniques applied in the field laboratory. Prereq: 821V Graduate Seminar in Biology or permission of instructor.

832M Organic Evolution (3) A study of organic evolution in terms of events which support the theory and evidence for evolution and its relationship to contemporary life. Prereq: Biology 214. Lecture and discussion only.

832V Survey of Accounting (3) A study of the control of the financial statement, decision making, and non-routine accounting procedures. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

833V Advanced Topics in General Physiology (3) Studies in general physiology including such topics as control of metabolic pathways, temperature-related phenomena, and oxygenic phytoplankton photosynthesis. Prereq: 821V Graduate Seminar in Biology and permission of the instructor.

834V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

835V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

836V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

837V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

838V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

839V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

840V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

841V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

842V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

843V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

844V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

845V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

846V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

847V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instructor.

848V Survey of Accounting (3) Provides management and non-financial accounting principles with emphasis on cost accounting. For non-routine decisions. Prereq: Graduate standing in Biology and permission of instruc
825 Seminar in Accounting (3) A study of problems arising in financial statements which may be independent or interrelated in public, private, and governmental accounting. Prereq: BA 207V or BA 212V.

830V The Environment of Management (3) A classical and behavioral study of the organizational environment, which decision-making occurs to accomplish the economic and efficient operation of the system. Prereq: MG 349 or BA 814J.

831V Human Behavior in Organization (3) An inter-disciplinary study concerned with the problems of combining and utilizing human resources to accomplish objectives of management and workers. Prereq: BA 349 or BA 814J.

835V Seminar in Management (3) A student participation course emphasizing current issues and problems in the areas of management theory and operation. Prereq: BA 850V and BA 831V.

840V Marketing Policies (3) A marketing management course emphasizing the determination of policies employed in solving problems in marketing. Prereq: MKT 331 or BA 815J.

841V Promotional Policies (3) Analysis of the methods, research, and policies needed to develop and administer an effective promotional program. Prereq: MKT 331 or BA 815J.

845V Seminar in Marketing (3) Exploration, study and analysis of contemporary marketing problems, trends, methods, and approaches for seminar discussion and written report. Prereq: BA 840J.

850V Financial Management (3) Examines the problems of managing the financial operations of an enterprise with emphasis on analysis and solution of long and short-term problems pertaining to company policies. Prereq: FIN 325 or BA 813J.

851V Security Analysis (3) A study in the techniques of analysis of marketable securities. Statistical and financial ratio methods of analysis are examined along with the broader bases for appraisal of values of securities. Prereq: FIN 325 or BA 813J.

852V Seminar in Investment Management (3) The theory of investment management and its application in the formation of policies for different types of investors. Prereq: FIN 325 or BA 813J.

855V Seminar in Finance (3) Selected topics from areas of business finance. Prereq: BA 850V.

860V Real Estate and Land Use Economics (3) A study of the technical literature dealing with the development of advanced technical tools of analysis and concepts of real estate and land use. Prereq: Optimization. Prereq: RE 344, RE 346, RE 440 and RE 441.

851V Current Problems in Real Estate and Land Use (3) A study of current problems in real estate markets affecting decision-making in the private and public sector. Analysis of economics of land development and use and re-use of real property to provide a viable environment for all citizens. Prereq: RE 344, RE 346, RE 440, and RE 441 or equivalent experience.

880V Policy, Planning and Strategy (3) A comprehensive study of policy, planning, and strategy prospects and opportunities at varying levels of organizations. The student is responsible for demonstrating understanding and application of the subject matter through exercises. Prereq: Taken in last 9 hours of MBA program.

890V Independent Research (3) Individual research on the field of accounting, marketing, quantitative analysis or the environment of business. Maximum of nine hours in three different fields.

899V Thesis (1-6) A research project under the supervision of a thesis advisor in the College of Business Administration, in which the student establishes his capacity to design, conduct, and complete an independent, scholarly investigation of a high order of originality. The research topic and the form of the thesis must be approved by the student's thesis advisor, and two other faculty members, one of which must be from outside the program area. Prereq: Permission of graduate advisor.

Black Studies

850M International African Community Field Research (3) Field research leading to oral or written observations of selected Black communities in the United States in relation to "counterpart communities" in Africa, the Caribbean and Latin America. Section W: East Africa, X: West Africa, Y: Caribbean, Z: Latin America. Prereq: Graduate standing and permission of graduate advisor.

Chemistry

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

Course Descriptions


383L Physical Chemistry Laboratory (I) (1) Chemistry 335L should be taken concurrently with Chemistry 335. Prereq: Chemistry 226L, 240L, and Math 196.

385J Physical Chemistry II (3) A presentation of topics from the areas of classical thermostatics, statistical mechanics and chemical kinetics. Prereq: Chemistry 226L, 240L, and Math 196.

386J Physical Chemistry Laboratory (II) (1) Chemistry 336L should be taken concurrently with Chemistry 336L. Prereq: Chemistry 335L.

840J Instrumental Analysis (II) (3) Instrumental methods of quantitative analysis. Normally taken concurrently with Chemistry 440L. Prereq: Chemistry 335 (may be taken concurrently.)
801V Special Engineering Projects (1-6)
The theory and application of the cumulative knowledge and skill development underpinning a course work to a special problem of particular interest to the student and in his field of interest. These problems should extend the knowledge and understanding of the student in the field of his specializations and the limits of his formal course work. The problems will be agreed upon by the faculty advisor and the student involved. The problem will be at a level to warrant graduate credit. Prereq: Graduate standing and permission.

802V Thin Shell Structures (3) General theory of thin shells. Design of hyperbolic paraboloids, folded plates, cylindrical shells, shell walls, and domes. Prereq: Graduate standing and permission.

803V Foundation Engineering (3-6) Evaluation of subsoil conditions as they affect the behavior, stability, and bearing capacity of a building. Settlement analysis, seismic problems, stability of earth structures, produce elements, characteristics of natural soil deposits, slopes and earth retaining structures. Prereq: Graduate standing and permission.

814V Bridge Design (3-6) The theory and design of girders, box beams, prestressed, hollow girders, composite, orthogonal and suspension bridges. Prereq: GE 470, permission.

815V Advanced Dynamics (3) Advanced studies in hydraulics including hydrodynamics, similitude, urban hydrology, geohydrology, hydraulics of surface and subsurface flow, and reservoirs. Prereq: Graduate standing and permission.

816V Advanced Structural Engineering (1-12) Contemporary developments in the analysis and design of space-spanning and space-enclosing structures, including appropriate mathematical and mechanical analysis methods. Prereq: Graduate standing and permission.

817V Advanced Sanitary Engineering (3-6) Advanced theory of biological and chemical processes in sanitary engineering; activated sludge and trickling filter processes, anaerobic digestion, disinfection, chlorination, and electrochemistry, wet and dry combustion, introduction to industrial wastewater treatment processes, and special problems in unit processes of water treatment. Prereq: Six hours of undergraduate-level courses in sanitary engineering and automatic control.

830V Sedimentation and Erosion (3) A study of sediment transport behavior in streams and channels. Transport processes such as suspended load, bed load, and bed form. Prereq: GE 453 or permission.

831V River Mechanics (3) A study in concepts of stream flow, stream hydraulics, geometric elements in channel form, bed forms, ripples and bars, scour and still, meander and power, channel and stribution structures.

889V Civil Engineering and Special Projects (1-16) Independent studies may select a specific semester project in some phase of civil engineering which requires advanced original thinking and the application of advanced analytical and/or experimental techniques in its completion. Prereq: Graduate standing and permission.

899 Graduate Research (3-6) Industrial Engineering

850M Operation Research I 3 Probability models; programming decision theory, queuing theory, optimal cost solutions. Prereq: IE 334 or Math 350.

858M Operation Research II (3) Queuing theory, simulation; inventory theory and control; Markov chains; computer simulation of stochastic chains; integer programming, non-linear programming. Prereq: IE 490.

Industrial Engineering

850M Operation Research I 3 Probability models; programming decision theory, queuing theory, optimal cost solutions. Prereq: IE 334 or Math 350.

858M Operation Research II (3) Queuing theory, simulation; inventory theory and control; Markov chains; computer simulation of stochastic chains; integer programming, non-linear programming. Prereq: IE 490.

General Engineering

851M Advanced Mechanics of Materials (3) Stresses and strains at a point, theories of failure, pressure vessels and spinning disks; torsion, bifurcation of energy methods. Prereq: GE 242, Math 235.


854V Experimental Stress Analysis (3) Investigation of the basic theories and techniques associated with the analysis of stress using mechanical stress strain gages, electric strain gages, lacquer, and membrane analysis. Prereq: GE 493 or permission.


812V Theory of Plates and Shells (3-4) Plates Governing equations for the bending and stretching of thin plates with small deflections, solution of rectangular and circular plates and various shapes of different boundary conditions by means of Laplace and cylindrical functions, numerical methods, analysis of plate stresses. Prereq: GE 493, Math 325.


818V Similitude (3) The principles and illustrations of dimensional methods, similarity and dimensional analysis, design of experiments, physical model testing, similarity equations, and similarity of problems. Prereq: Permission.


Other Engineering Courses

Graduate Faculty Members: Professors Harold L. Davis (LOA), Cheryl H. Pfeiffer.

Two graduate industrial technology courses and one graduate engineering course are required as cognate or selected courses on a plan of study for industrial education teachers.

821M Contemporary Trends in Industrial Education for the World of Construction (3) Introduction to a new program development in industrial education, with major emphasis placed upon the World of Construction curriculum. Analysis of basic construction operations and management practices utilized in industrial education, and Legislatively. Prereq: Advanced Industrial Education.

821M Contemporary Trends in Industrial Education for the World of Manufacturing (3) 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 industrial education. Prereq: Advanced Industrial Education.

821M Contemporary Trends in Industrial Education for the World of Technology (3) Introduction to a new program development in industrial education, with major emphasis placed upon the World of Technology curriculum. Analysis of basic technology operations and management practices utilized in industrial education. Prereq: Advanced Industrial Education.

Counseling and Guidance

Course Descriptions

888M Guidance Skills for Secondary Teachers (3) Introduction to typical counseling practices and activities, and to develop appropriate guidance and listening skills. No credit for guidance majors. Prereq: Senior or Graduate.


891M Group Evaluation Techniques (3) A survey course dealing with types of measurement and evaluation in the instructional program: class membership, secondary activities, Utilization of standardized group tests, construction of classroom tests, use of the cumulative record, the basic sociometric and projective techniques, which are included in this course.

892M Group Counseling Skills in Guidance (3) The application of basic counseling skills to work in Guidance. Prereq: Permission of instructor.

893M Guidance Skills in Secondary Education (3) The application of basic counseling skills to work in Secondary Schools. Prereq: Permission of instructor.

894M Guidance Skills in Elementary Education (3) The application of basic counseling skills to work in Elementary Schools. Prereq: Permission of instructor.


897M Advanced Fluid Mechanics (3) Ideal and real fluid flow, Euler's equations of motion, potential theory, conformal transformations, turbulent flow, boundary layer theory. Prereq: GE 331, Math 325.

898M Experimental Stress Analysis (3) Investigation of the basic theories and techniques associated with the analysis of stress using mechanical stress strain gages, electric strain gages, lacquer, and membrane analysis. Prereq: GE 493 or permission.

899M Assessment Techniques in Counseling (3) The process of assessment as a way of determining the abilities and characteristics of persons for counseling. Prereq: Coun 890M.

900M Educational and Vocational Information (3) The nature and use of occupational and educational information. The process of vocational choice. Prereq: Graduate.

901V Group Counseling (3) The theory of group counseling as a way of determining the abilities and characteristics of persons for counseling. Prereq: Coun 890M.

902M Guidance Internship (2-3) Field experience in an approved guidance program under the direction of a qualified counselor. Prereq: Guidance major and consent of the graduate professor of the University. Prereq: Coun 894M and permission of department.

903V Group Evaluation (2-3) The group process with emphasis on the experiential learning and application of the principles of group work. Prereq: Coun 890M, permission of instructor.

904V Group Counseling (3) The application of basic counseling skills to work in Secondary Schools. Prereq: Permission of instructor.
Criminal Justice

Course Descriptions

801V Criminal Justice Planning and Innovation

801V: A review of theories and methods of improving the criminal justice system. Prereq: CJ 809M and 810V.

832V Counseling Elementary School Children (3) An introduction to selected counseling theories and techniques applicable in counseling young children. Prereq: CJ 820V, 831V.

833V Elementary School Counseling Practicum (4) Counseling in the elementary setting under the supervision of the counseling professor of the University. Prereq: CJ 832V and permission of department.

835V Elementary Counseling Internship (6) Field experience in the elementary counseling profession under the supervision of a counseling professor. Prereq: CJ 832V and permission of department.

835V Guidance Services and the Disadvantaged Young (3) A study of the methods and techniques in counseling the disadvantaged youth. Prereq: CJ 820V and 824V.

845V College Student Personnel Internship (6) This course is designed to provide practical work experience and supervision in various areas within student personnel services. Prereq: CJ 832V and permission of instructor.

899 Thesis (1-5) Independent research project written under the supervision of an advisor. Prereq: CJ 832V and permission of instructor.

893V Theories and Studies in Occupational Educational Information (2-3) Advanced study of the theories and studies related to vocational development and current research in the construction of occupational and educational information. Prereq: CJ 825V.

810U Advanced Studies in Counseling (2-3) An advanced practical experience of selected counseling theories, methods and research. Prereq: CJ 820V and 825V or 835V.

812U Counseling With Parents (3) A course emphasizing techniques used in working with families. Prereq: CJ 825V or 832V or permission of department.

815U Advanced Counseling Practicum (2-3) Continuation of Practicum in Counseling. Prereq: CJ 825V or 836V and permission of department.

816U Guidance and Counseling Seminar (3) The consultation of selected counseling seminars having current relevance to guidance and counseling. Prereq: Permission of department.

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

Dramatic Arts

Course Descriptions

8101M-8202M Advanced Projects in Dramatic Arts (1-1 Each) (1-3) Special topics in Dramatic Arts supplementing regular courses; individual research projects; comprehensive final examination. Prereq: CJ 9 hours in dramatic arts in the general area to be studied and permission of department.

811V Seminar in Criminal Justice System (3) An examination and in-depth analysis of the criminal justice system and its historical development. Prereq: CJ 340 and 341 and permission of instructor.

807V Theoretical Criminology (3) A study of the political, economic and social context of the criminal justice system and an objective analysis of the historical influences and thought which molded its development. Prereq: CJ 335, graduate standing and permission of instructor.

807V Theoretical Criminology (3) A study of the theory of crime and deviance. Prereq: CJ 335, graduate standing and permission of instructor.

832M Crime Scene (3) Principles of crime scene investigation. Prereq: CJ 335 and 223.

834M Stage and TV Lighting (3) Characteristics and control of stage and television lighting. Prereq: CJ 335 and 223.

835M Children’s Theatre Production (3) Study of the methods and techniques of writing and production of plays for children. Prereq: complete Children’s Theatre Production or become actively involved in an actual production. Prereq: Graduate standing with an undergraduate major in theatre or permission.

862M Play Direction (1) A practical study in play analysis and directing. Prereq: Dramatic Arts 220 or permission of instructor.

837M Costume History and Design (3) The study of historical costumes from Ancient Greece to the present. Prereq: Graduate standing or permission of instructor.

821V Seminar in Contemporary Theatre Aesthetics (3) Research and dialogue in the aesthetic theories affecting the contemporary theatre. Prereq: Graduate standing and permission of instructor.

826M Play Direction (1) A practical study in play analysis, directing and performing. Prereq: Dramatic Arts 220 or permission of instructor.

832M History of the Theatre to 1642 (3) An historical survey of the theatre and the playwright as a product of his culture and the literature of the theatre from its origins to 1642. Prereq: Graduate standing.

833M History of the Theatre from 1642 to the Present (3) An historical survey of the theatre and its literature from 1642 to the present. Prereq: Admission to graduate study.

811V Seminar in the Process of the Criminal Justice System (3) An examination of the interaction of the components of the American Criminal Justice System with emphasis on institutional and interpersonal interactions. Prereq: Permission of instructor.

809V Seminar in Guidance, Control and Correction (3) An inquiry in the social ramifications of the entire juvenile delinquency process including labeling, delinquency, incarceration, parole and reentry. Prereq: CJ 335, graduate standing and permission of instructor.

810V Seminar in Crime Prevention (3) An in-depth analysis of the most important yet neglected area of Criminal Justice. Historical, contemporary and future prevention and methodology are emphasized. Prereq: CJ 335, graduate standing and permission of instructor.

811V Seminar in Criminal Justice Research Theory and Methodology (2) Research theory and methodology in the social sciences as applicable to Criminal Justice; preparation of research design, execution of research projects, and the writing up of research papers. Prereq: Permission of Instructor.

811V Seminar in Criminal Justice Research Theory and Methodology (3) An examination of past historical developments leading to the current applications of scientific disciplines to the analysis of physical evidence. Prereq: Permission of Instructor.

811V Seminar in Criminal Justice Research Theory and Methodology (4-5) An independent study of significant topics in Criminal Justice. Prereq: permission of instructor.

899V Seminar in Stage Production (3) An inquiry in the social ramifications of the entire juvenile delinquency process including labeling, delinquency, incarceration, parole and reentry. Prereq: CJ 335, graduate standing and permission of instructor.

899V Seminar in Stage Production (3) An inquiry in the social ramifications of the entire juvenile delinquency process including labeling, delinquency, incarceration, parole and reentry. Prereq: CJ 335, graduate standing and permission of instructor.

832M Children’s Theatre Production (3) Study of the methods of writing and production of plays for children. Prereq: complete Children’s Theatre Production or become actively involved in an actual production. Prereq: Graduate standing with an undergraduate major in theatre or permission.

862M Play Direction (1) A practical study in play analysis and directing. Prereq: Dramatic Arts 220 or permission of instructor.

837M Costume History and Design (3) The study of historical costumes from Ancient Greece to the present. Prereq: Graduate standing or permission of instructor.
using of work and custodial care. Prereq: EDAD 860V.

870V Administration and Staff Personnel (3) This course deals 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 teacher's role in democratic, administrative. Prereq: FED 801V and EDAD 835V.

871V Interpersonal Relationships in Education (3) This course is designed specifically to develop interpersonal and group relationships. It should be useful to those administrators who recognize the need to increase their knowledge and skills in human relations.

880V Administration and Supervision of Vocational Education (3) Basic concepts for administration and supervision of vocational education. Emphasis on the role of the superintendent, principal, supervisor.

881V Urban School Administration (3) This course is designed to provide students with an understanding of urban education, urban problems and issues which most significantly affect the administration of city schools.

885V Administration of Higher Education (3) A study of major functions of higher education, with emphasis on the principles involved in organizing and directing the academic program. Courses of the student body, the faculty and staff, personnel policies, financing the program, the buildings and grounds, and conducting the public relations program. Specific administration of graduate study.

890U Seminar in Research Design (3) A seminar designed to acquaint students with the principles involved in organizing and conducting the application of these principles to research and to supervision of the research design. Preq. Adm to Ed.S. Program.

890U Advanced Seminar in Educational Administration. Participation is limited to individuals who have been admitted to candidacy for the Specialist in Education degree with a major in educational administration. Emphasis will be placed upon the theory and techniques of administration. Prereq. Admission to Educational Specialist Program.

811U Field Project in Educational Administration. The student will work closely with his advisor in the development of a supervised practicum in a particular area of school administration, and employs the techniques of field work leading to the development of an understanding of the principles of administration. The course provides for the development of the writing and research skills of the student. The course is designed for the student in the educational administration program. Preq. Completion of four courses in Educational Specialist Program and Approval, Department of Administration.

888M Administration of the Instructional Materials Center (3) A course designed for students who wish to prepare themselves for the administration of an educational media program within a school system. Prereq. Graduating senior.

954 School Law (3) This course is concerned with the legal aspects of school boards. Topics include certificiation, contract, negligence, curriculum, bonding, pupil control, and transportation. Each is approached through study of most recent court pronouncements. Prereq. FED 801V and EDAD 835V.

Educational Foundations

Course Descriptions

818M Mental Health (3) A study of the principles and problems of mental health in the classroom. Major emphasis is given to the teacher's role in promoting mental health and the development of mental health training that will foster learning to relate to others. The course will provide information about the current status of mental health research and group analysis.

816M Principles of Adult Education (3) An introduction to the study of adult education as a major development in contemporary America. The course surveys the major forms and problems of adult education and the foremen experienced in the field. Special emphasis is placed upon communication phenomena and the impact of institutions and authority structures upon mental health.

819M Audio-Visual Materials in Education (3) An introduction to the theory, history, organization, selection and utilization of educational technology for instruction, emphasizing the places of educational media in the learning/teaching process. Preq. EDAD 801V or EDAD 805V.

827M Preparation of Instructional Materials (3) A basic course in the production of inexpensive audio-visual materials for the classroom. The emphasis will be placed upon the techniques and audio-visual materials considered, including such instructional materials as slides, transparencies, and motion picture film.

828M Growth and Learning Problems of Disadvantaged (3) A course designed to help students develop a basic understanding of child growth and development and learning problems which are characteristic of disadvantaged children.

840V Special Studies (3) A series of intensive courses scheduled as regular seminars, or workshops, according to the nature of the problems to be studied.

800V Seminar in Audio-Visual Education (3) A study of selected topics involving principles, trends, and materials in audio-visual education.

805V The Urban School (3) An analysis of the socio-economic and psychological problems which have bearing upon the education of children in urban settings. A study of the urban school.

807V Research Project (1-3) Individual or group study and analysis of specific problems in schools.

809V Diagnostic and Corrective Instruction (3) A study of the preparation of children's intelligence. Testing the validity and reliability of the educational program of the elementary school and corrective techniques for overcoming such problems.

822V Improvement in Instruction in Elementary Science (3) This course is designed for all science teachers in education who wish to become better informed about the recently developed programs, methods, materials, philosophy, and emphasis in instruction, which are characteristic of these programs and their development.

821V Improvement in Instruction in Elementary Mathematics (3) An exploration of the nature, scope, and methods of modern mathematics programs for the elementary school. The need for broadening the background of the students enrolled during the semester are given special consideration.

822V Improvement in Instruction of Social Studies (3) This course is intended for those preparing for work in the teaching of social studies in the elementary school. The need for broadening the background of the students enrolled during the semester are given special consideration.

820V Introduction to Curriculum Planning (3) A study of the history, philosophy, and current development in the elementary school. Preq. FED 801V.

833V Communication for Teachers of the Disadvantaged (3-6) An intensive course dealing with the nature of the disadvantaged pupil, communication skills for teachers, and group interaction for the instructional teams working with low-income pupils.

840V Comparative Education (3) An intensive study of the educational systems of selected nations found in Europe, Asia, Africa, Latin America, and Africa. Special emphasis is placed on a total study of the society selected and its resulting educational adaptation and future educational trends.

866V Seminar in Education (3) Systematic study of the problems inherent in the development of school programs which have current significance to American or foreign school education. Student and group analysis emphasized.

867V Education and Society (3) A study of the problems that modern society is confronted with and the role(s) that education has in helping society meet its challenges. Emphasis will be placed upon the interface between the educational institution and the other major areas forming society. Attention will be given to the needs of the student and to the stimulation of the intellectual and spiritual growth of the student. Preq. EDAD 801V.

868V Alternative Strategies for Education (3) An exploration of educational programs and the school organization and practice on the student and current alternative proposals for educational innovation. A brief overview of the historical development and theoretical assumptions underlying the traditional school program will be served as a foundation from which to analyze and evaluate the merit and utility of contemporary programs. Stress will be placed upon the development of skills in the field of education.

869V Topics in Audio-Visual Education (3) A study of selected topics involving principles, trends, and materials in audio-visual education.

875V The Urban School (3) An analysis of the socio-economic and psychological problems which have bearing upon the education of children in urban settings. A study of the urban school.

807V Research Project (1-3) Individual or group study and analysis of specific problems in schools.

Elementary and Early Childhood Education

Course Descriptions

820M Literature for Children and Youth (3) Selection, evaluation and guidance in various types of literature for the elementary and junior high school levels.

827M Current Trends in Early Childhood Education (3) Describes problems involved in setting up a program for the child born to lesser educated parents. Special emphasis will be given to the above activity.

828M Patterns of Parental and School Care (3) Exploration of contemporary patterns of home and school care of the young child from birth to six years.

829M Learning Materials for Early Childhood Education (3) Development of sound criteria for use in selecting appropriate learning materials for children from birth to eight years of age.

800V Special Studies (3) A series of intensive courses designed to teach skills that are needed, especially for teachers in service, scheduled as regular seminars, or workshops, according to the nature of the problems to be studied.

805V Research Project (1-3) Individual or group study and analysis of specific problems in schools.

809V Diagnostic and Corrective Instruction (3) A study of methods of diagnosing children's differences. Emphasis on the usefulness of the educational program of the elementary school and corrective techniques for overcoming such problems.

820V Improvement in Instruction in Elementary Science (3) This course is designed for all science teachers in education who wish to become better informed about the recently developed programs, methods, materials, philosophy, and emphasis in instruction, which are characteristic of these programs and their development.

821V Improvement in Instruction in Elementary Mathematics (3) An exploration of the nature, scope, and methods of modern mathematics programs for the elementary school. The need for broadening the background of the students enrolled during the semester are given special consideration.

822V Improvement in Instruction of Social Studies (3) This course is intended for those preparing for work in the teaching of social studies in the elementary school. The need for broadening the background of the students enrolled during the semester are given special consideration.

820V Introduction to Curriculum Planning (3) A study of the history, philosophy, and current development in the elementary school. Preq. FED 801V.
content and methods of curriculum reorganization. Prereq: FED 801V.

84VM Seminar in Elementary Education (3) A study of contemporary problems as they relate to the elementary school, to be taken in the last year of student teaching. Prerequisites: Graduation in the Elementary Education program for the Master of Science degree. Prereq: FED 801V.

84VM Seminar in Supervision of Teacher Education (3) Designed for experienced teachers who are or may be serving as cooperating teachers, and who desire to study pedagogy, supervisory principles, procedures, objectives, trends and developments. Prereq: 2 years of teaching experience.

870V Practicum in Elementary and Early Childhood Education (3-6) The practicum is designed for selected graduate students who are participating in the graduate program in elementary and early childhood education. The 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 Adviser.

871V Advanced Practicum in Elementary Education (3) Advanced practicum will demand an increased responsibility for the student for one semester. The practicum contemplates increasing the student's exposure to a variety of experiences, based upon his individual needs. Prereq: 870V. Prereq: Permission of Adviser and satisfactory completion of EED 870V. Practicum in Elementary Education.

8908 Thesis (1-6) Independent research project required of all students taking Masters of Arts degree. See major advisor.

English

Course Descriptions

815M Contemporary French and German Novel (3) Comparative study of selected contemporary French and German novels in translation. Cross-listed as French 815M and German 815M. Prereq: Permission.

832M Sixteenth Century Literature (3) Poetry and prose of the English Renaissance, from its beginning to the end of the Elizabethan Age. Prereq: Graduate.


850M English Drama before 1642 (3) A study of the development of the English Drama, exclusive of Shakespeare, from the beginnings to 1642.

871M Linguistics (3) An analysis of the English language as it is spoken with the end view of gaining better understanding of the language and its problems not covered by regular period, or genre courses. Prereq: Graduate or permission.

880M Shakespeare (3) A critical study of twelve major plays of Shakespeare. Prereq: Graduate.

885M The English Novel (3) The development of the English novel from the beginning to the end of the Victorian period. Prereq: Graduate.

886M History of the English Language (3) A study of the internal and external causes of the development of the English language. Prereq: Permission of the Graduate faculty of the Department of English Literature (half-time teaching will grant 3 hours of credit.) Prereq: Permission of Adviser.

872M Medieval English Literature (3) A survey of the principal writings in English, excluding the works of Chaucer, from 1100 to 1500. Prereq: Eng. 231 or permission.

881M Literature of the Romantic Period (3) Poetry and prose (excluding the novel) of English Literature from 1758 to 1830. Prereq: Graduate.

8905 Contemporary Literature, Modernism & Movements (3) A critical study of selected major literary works which have appeared since World War II. Prereq: Graduate.


898M The American Drama (3) A general survey of the drama of the United States, emphasizing the interrelationship of its forms and its impact on American society. Prereq: Graduate.

8101 Seminar: Introduction to Literary Research (3) A survey of the techniques of literary research, history and interpretation, with a primary emphasis on methods of scholarship currently in use. Prereq: Graduate.

846V Seminar: Literary Criticism (3) The critical study of the major literary movements, both American and English, from the Renaissance to the 19th century. Prereq: Graduate.

866V Rime of the Ancient Mariner: Prose (3) A study of the life and work of Samuel Taylor Coleridge, from his early poetic career to his later prose. Prereq: Graduate.

868V Seminar in American Literature (3) An analytical critical study of the development of American literature from the colonial period to the present. Prereq: Graduate or permission.

869V Seminar in American Literature (3) An analytical study of the major literary movements in nineteenth and twentieth century America as they are expressed in poetry, fiction, drama and criticism. Prereq: Graduate.

880V Seminar, The English Renaissance (3) A seminar in a few significant literary figures of the English Renaissance. Prereq: Graduate standing or permission.

869V Seminar: The Restoration and Early 18th Century (3) A critical study of selected authors and works of the Augustan Age of English literature (1660-1750). Prereq: Graduate.

870V Seminar: The Eighteenth Century (3) An intensive study of selected eighteenth century English authors and their works. Prereq: Graduate.

813V Seminar: Critical Study of a major author. (3) An intensive study of one of the major authors, genres, literary movements or critical problems not covered by regular period, or genre courses. Prereq: Graduate.

814V Seminar: John Milton (3) An intensive seminar in the major works of John Milton and in Milton's role as a specific critical and scholarly problems. Prereq: Graduate.

820V Seminar in Medieval Literature. (3) A study of the rationale and techniques of medieval allegory. Prereq: Graduate.

821V Seminar in Chaucer (3) An analysis of the selected works of Chaucer, his sources, and analogues. Prereq: Graduate or permission.

828V Independent Study. Specialized readings in a well-defined field of literature or language, carried out under the supervision of a member of the graduate faculty. Designed primarily for the student who has need of work not currently available in the departmental offerings and who demonstrates capability of work independently. May be repeated for a maximum of six hours. Prereq: Graduate.

999 Thesis (1-6) Directed research project. Prereq: Graduate.

1012 Seminar in Shakespeare (3) Critical analysis of the major plays and sonnets of Shakespeare. Prereq: Graduate.

1015 Seminar in English Literature 1750-1820 (3) Study of English literature from the Age of Johnson and that of the Age of Wordsworth. Prereq: Graduate.

1019 Seminar in English Literature (3) Special study of a major author of English literature. Prereq: Graduate or permission.

805M Seminar: The Restoration and Early 18th Century (3) A critical study of selected authors and works of the Augustan Age of English literature (1660-1750). Prereq: Graduate.

840M Independent Study (1-3) Guided independent study and research under supervision of a faculty member. May be repeated for a maximum of six semester hours total. Prereq: Permission of the instructor.

850M Introduction to the Study of Language as a Whole, general study of the nature of language, how it functions and changes, references to contemporary trends in linguistic analysis and research. Prereq: Graduate standing or permission.

859M Independent Study in Folklore (3) An advanced study of folklore in its broadest sense, focusing on the language, interpretation, and development of folklore as a social phenomenon. Prereq: Graduate standing or permission.

860M Independent Study (1-3) Guided independent study and research under supervision of a faculty member. May be repeated for a maximum of six semester hours total. Prereq: Permission of the instructor.

855M Introduction to the Study of Language as a Whole, general study of the nature of language, how it functions and changes, references to contemporary trends in linguistic analysis and research. Prereq: Graduate standing or permission.

861M Independent Study in Folklore (3) An advanced study of folklore in its broadest sense, focusing on the language, interpretation, and development of folklore as a social phenomenon. Prereq: Graduate standing or permission.
the student of folklore to the following: 1. etymology in collecting, archiving, and research. Lectures and class discussions of popular beliefs, cultural ties, and prejudice. Prereq: Permission of instructor. 810M Contemporary French and German Novels (3) A detailed study of selected contemporary French and German novels. Cross-listed with French 815M and English 815M. Prereq: Permission.

817M Contemporary French and German Drama (3) A detailed study of selected contemporary French and German plays. Conducted in English with English translations. Additional readings in German for German students. Cross-listed with French 817M and English 617M. Prereq: Permission.

813M German Literature of the 19th Century (3) The dramatic, epic, and lyric works of nineteenth-century German literature. Prereq: German 303. Prereq: Permission.

812M German Literature of the 20th Century (3) The principal dramatic, epic and lyric works of the twentieth-century German literature. Prereq: German 303.

838M German Civilization from the 11th Century to the Present (3) Detailed study of German art, architecture, literature, music and philosophy. The influences of the sciences and technology upon modern German civilization and culture. Prereq: Standing and permission.

839M German Novel (3) Survey of the German novel from the eleventh to the twentieth century. Prereq: German 303 or permission.

840M German Novelists (3) Survey of the German novelists from the eleventh to the twentieth centuries. Prereq: German 303 or permission.

844M German Modern Drama (3) Study of several of the better-known dramas, history of drama development in Germany. Prereq: German 303 or permission.

849M German Literature of the Seventeenth Century (3) The dramatic, epic, and lyric works of seventeenth-century German literature. Prereq: German 303 or permission.

850M German Literature of the Eighteenth Century (3) A detailed study of representative authors of the Enlightenment, Storm and Stress, and German Classicism. Leiseg, Herder, Schiller, and Goethe. Prereq: Permission of instructor.

858M Bibliography and Methodology (1-2) An introduction to basic bibliography and methodology of German literature and language. Prereq: Permission of instructor.

850M Pro-Seminar (3) A detailed study of narrower phases of German literature, language or culture. Prereq: Permission of instructor.

Spanish (SPAN)

850M Independent Study (1-3) Guided independent study and research under tutorial supervision. May be repeated with topic not in same semester for maximum of six semester hours total. Prereq: Permission of the instructor.

805M Introduction to the Study of Language (3) A broad, general study of the nature of language, its functions and changes, references to contemporary trends in linguistic research. Prereq: Graduate standing or permission.

810M Theorist 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: 317 or permission of instructor.

811M Novel of the Golden Age (3) Study of the proce masterpieces of the sixteenth and seventeenth centuries, including Miguel de Cervantes, Lope de Vega, and Calderon de la Barca. Prereq: 317 or permission of instructor.

818M Spanish American Literature of the 20th Century (3) Critical and analytical reading of the foremost Spanish American dramatists, poets, essayists, novelists and prose masters of the present. Prereq: 322 or permission.

819M Mexican American Literature (3) A study of representative works of Mexican American, Spanish American, and American writers, along with their cultural and historical antecedents. Cross-listed as History 488M. Prereq: Permission of instructor.

820M Spanish American Novel (3) Study of representative novels and novels of the nineteenth and twentieth centuries. The works of contemporary authors. Prereq: 322 or permission.

824M Generation of 1898 (3) Examination of the ideology, philosophy, and literary techniques of the modern movement in Spanish literature and its influence on contemporary authors. Prereq: 322 or permission.

825M Spanish American Short Story (3) Representative stories of the ninetenth and twentieth centuries from Rambier to current production. Prereq: 321 or permission.

855M Modern Drama of Spain (3) Ideologies, techniques, and social trends as they are revealed in Spanish dramatists of the ninetenth and twentieth centuries. Prereq: 318 or permission.

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

858M Landform Studies (3) Includes the history of selected time periods in the past. Prereq: Geog 406 or permission.

863M Landform Studies (3) Includes the history of selected time periods in the past. Prereq: Geog 406 or permission.

887M Urban Geography (3) A study of the sociology of cities and the social characteristics of urban life, stressing his history, his community, his technological, social, cultural, and institutional aspects. The urban problems of the modern metropolitan complex, both as to effective functioning and as an environment for human beings, are discussed. Prereq: Graduate.

889M Urbanization in Developing Areas (3) A study of the problems of urbanization and urban growth in developing countries and cultural phenomena. Provides basic tools for environmental evaluation. Prereq: Graduate Standing.

899M Urban Geography Concepts: History and Philosophy (3) Geog. 107, or 117.

800V Geography Concepts: Quantitative Methods (3) A practical application of various types of maps, aerial photographs, and other remotely sensed data to the interpretation and analysis of climatic, biotic, and cultural phenomena. Provides basic tools for environmental evaluation. Prereq: Graduate Standing.

800W Urban Geography Concepts: History and Philosophy (3) Geog. 107, or 117.

800V Geography Concepts: Quantitative Methods (3) A practical application of various types of maps, aerial photographs, and other remotely sensed data to the interpretation and analysis of climatic, biotic, and cultural phenomena. Provides basic tools for environmental evaluation. Prereq: Graduate Standing.

800W Urban Geography Concepts: History and Philosophy (3) Geog. 107, or 117.

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800W Urban Geography Concepts: History and Philosophy (3) Geog. 107, or 117.
**976M Human Movement** (3) A study of human movement and the improvement of the human body through exercise. Includes a study of race, sex, and age differences in human motor performance.

**985M Health Aspects of Aging** (3) An examination of factors that influence the health of the aging. Includes an introduction to the physiological changes that have implications for disease and health disorders.

**993M Measurement and Evaluation in Physical Education** (3) Analysis of tests, measurement apparatus, and testing procedures used in physical education. Includes a study of basic statistics. Practical experience in test administration in schools and camps.

**994M Physiology of Exercise** (3) The response of human systems to exercise and physical activity as it relates to the physical basis of muscle strength, endurance, and cardiovascular stress; the effects of nutritive aids on physical performance, and physiological principles of conditioning and fitness programs.

**885V Seminar in Urban Economics** (Same as Economics 885V-886V) (Each) An examination of the theoretical basis for the analysis of urban economic problems with emphasis upon the policy alternatives applicable toward their possible solution. Separate seminars may be received for each course. Prereq: At least 6 hours of upper division coursework in economics, or permission.

**898M Special Studies In Gerontology** (3) Special studies designed around the interests associated with aging. Includes an emphasis on the area of human movement and aging. Prereq: Permission of instructor.

**898M Gerontology** (3) A seminar course emphasizing the psychological study of aging. The seminar is designed to focus on the psychological aspects of aging. Prereq: None.

**892M Special Studies In Gerontology** (1-3) Special studies designed around the interests associated with aging. Includes an emphasis on the area of human movement and aging. Prereq: Permission of instructor.

**898M Counseling Skills** (3) An introduction to counseling skills, principles of counseling, and techniques of supervision for use by supervisors and teachers in the construction and supervision of programs in physical education.

**892M Supervision of Physical Education** (3) Concepts, principles, and techniques of supervision of physical education programs, including policies and procedures, personnel administration, and organizational development.

**898M Curriculum and Instruction in Physical Education** (3) A study of the educational, administrative, and related educational programs. Special consideration is given to curriculum development, instructional methods, and curriculum design.

**892M Research Projects** (3) Independent study of specific problems in health, physical education, recreation, or research. Prereq: Permission of instructor.

**892M Problems and Issues In Physical Education** (1-3) An examination of current problems and issues in college, secondary, and elementary physical education. Special emphasis is given to problems that relate to social and educational settings and purposes of physical education.

**998V-999V Urban Regional Research (Same as Economics 898V-899V) (1 to 6) Independent research projects in urban studies. Prereq: Approval of a written proposal submitted to the departmental chairperson. Prereq: Permission of the instructor.**

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**Health, Physical Education, and Recreation**

**Course Descriptions**

**824M Organization and Administration of Recreation** (3) Designed to provide a background of information on community recreation, as well as the learning and performance of motor skills with special attention to organization, promotion, and evaluation of recreational programs. Prereq: At least 9 hours of upper division coursework in recreation or permission.

**891-992 General Recreation** (3) Review of current research and recent developments in the field. Prereq: Permission of instructor.

**821M Research and Development in Recreation** (3) Examination of planning of recreational programs. Prereq: Permission of instructor.

**825M Health Aspects of Aging** (3) An examination of factors that influence the health of the aging. Includes an introduction to the physiological changes that have implications for disease and health disorders.

**895V Psychology of Exercise** (3) An introduction to the field of education for and about the aging. The institutions and processes of education of the aging and their roles in society are examined. Prereq: None.

**811M Applied Social Gerontology** (3) An introduction to the field of aging. The institutions and processes of education of the aging and their roles in society are examined. Prereq: None.

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**976M Human Movement** (3) A study of human movement and the improvement of the human body through exercise. Includes a study of race, sex, and age differences in human motor performance.

**985M Health Aspects of Aging** (3) An examination of factors that influence the health of the aging. Includes an introduction to the physiological changes that have implications for disease and health disorders.

**993M Measurement and Evaluation in Physical Education** (3) Analysis of tests, measurement apparatus, and testing procedures used in physical education. Includes a study of basic statistics. Practical experience in test administration in schools and camps.

**994M Physiology of Exercise** (3) The response of human systems to exercise and physical activity as it relates to the physical basis of muscle strength, endurance, and cardiovascular stress; the effects of nutritive aids on physical performance, and physiological principles of conditioning and fitness programs.

**885V Seminar in Urban Economics** (Same as Economics 885V-886V) (Each) An examination of the theoretical basis for the analysis of urban economic problems with emphasis upon the policy alternatives applicable toward their possible solution. Separate seminars may be received for each course. Prereq: At least 6 hours of upper division coursework in economics, or permission.

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**Course Descriptions**

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**998V-999V Urban Regional Research (Same as Economics 898V-899V) (1 to 6) Independent research projects in urban studies. Prereq: Approval of a written proposal submitted to the departmental chairperson. Prereq: Permission of the instructor.**
History

Course Descriptions

813J American Colonial History (3) A study of the foreign relations of the United States before 1790. Prereq: Graduate standing.

827M Twentieth Century Europe to 1932 (3) A study of the foreign relations of Europe from 1848 to 1932. Prereq: Graduate standing.

829M Ideas in Twentieth Century America (3) A survey of the American intellectual and cultural history from 1900 to 1932. Prereq: Graduate standing.

834J Diplomatic History of the United States since 1900 (3) A study of the foreign relations of the United States from 1900 to 1932. Prereq: Graduate standing.

851M Intellectual History of Modern Europe: The Nineteenth Century to 1918 (3) A survey of the intellectual and cultural history of Europe from 1848 to 1918. Prereq: Graduate standing.

858M Age of the Enlightenment (1) A study of the intellectual and cultural history of Europe from 1750 to 1800. Prereq: Graduate standing.

866M The French Revolution and Napoleon (3) A survey of the political and social history of France from 1789 to 1815. Prereq: Graduate standing.

877M Europe in Crisis: 1890-1932 (3) A study of the political and cultural history of Europe from 1890 to 1932. Prereq: Graduate standing.

882M English History: From Empire to Welfare State (3) A survey of the political and social history of Britain from 1800 to 1970. Prereq: Graduate standing.

883M English Constitutional History (3) A study of the development of the legal and governmental institutions of the English-speaking peoples from 1066 to 1714. Prereq: Graduate standing.

884M English Constitutional History (3) A survey of the political and social history of Britain from 1800 to 1970. Prereq: Graduate standing.

886M Age of Absolutism (3) A study of the political and cultural history of Europe from 1715 to 1789. Prereq: Graduate standing.

887M Age of Absolutism (3) A study of the political and cultural history of Europe from 1715 to 1789. Prereq: Graduate standing.

891J Topics in History (3) A seminar on a selected topic in history. Prereq: Graduate standing.

892M Nineteenth Century Europe, 1815-1870 (3) A study of the political and cultural history of Europe from 1815 to 1870. Prereq: Graduate standing.

893M Nineteenth Century Europe, 1870-1914 (3) A study of the political and cultural history of Europe from 1870 to 1914. Prereq: Graduate standing.

894M Nineteenth Century Europe, 1914-1945 (3) A study of the political and cultural history of Europe from 1914 to 1945. Prereq: Graduate standing.

895M Nineteenth Century Europe, 1918-1945 (3) A study of the political and cultural history of Europe from 1918 to 1945. Prereq: Graduate standing.


897M Nineteenth Century Europe, 1918-1945 (3) A study of the political and cultural history of Europe from 1918 to 1945. Prereq: Graduate standing.


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913M Nineteenth Century Europe, 1918-1945 (3) A study of the political and cultural history of Europe from 1918 to 1945. Prereq: Graduate standing.


915M Nineteenth Century Europe, 1918-1945 (3) A study of the political and cultural history of Europe from 1918 to 1945. Prereq: Graduate standing.


917M Nineteenth Century Europe, 1918-1945 (3) A study of the political and cultural history of Europe from 1918 to 1945. Prereq: Graduate standing.


919M Nineteenth Century Europe, 1918-1945 (3) A study of the political and cultural history of Europe from 1918 to 1945. Prereq: Graduate standing.

803V Historical Research (1) (3) The critical method in collecting and organizing historical material, including processes of verification, evaluation, and organization of facts; the problems of writing historical prose, editing, and publishing a product. Prereq: Graduate standing and permission of instructor. Not open for credit to students who have taken Hist 493 or equivalent.

806V Great American Historians (2) (3) A survey of the history of American historical writing from colonial times to the present. Reports on several selected periods. Prereq: Graduate standing and permission of instructor. Not open for credit to students who have taken Hist 493 or equivalent.

807V Great European Historians (2) (3) A survey of the history of European historical writing from Homer to Toynbee. Reports based on selected periods. Prereq: Graduate standing and permission of instructor. Not open for credit to students who have taken Hist 493 or equivalent.

899 Thesis (1, 2, 3) Thesis research project written under the supervision of an advisor.

940 Seminar This seminar will be offered at the 500 level when taught by a Graduate Faculty Fellow (J. A. Carroll, J. D. Dallam, W. R. Petrowski, and W. C. Pratt).

981V Seminar in European History

983 Seminar in British History

940 Seminar in American Economic History to 1865 (also Economics 940) (W. R. Petrowski)

941 Seminar in American Economic History Since 1865 (also Economics 941) (W. R. Petrowski)

Home Economics
Graduate courses scheduled on Omaha Campus or off the Omaha Campus.

816V Seminar in Public Opinion (1) (3) The study of the philosophical, political, sociological, and psychological theories of mass communication. Prereq: Graduate standing and permission of instructor. Not open for credit to students who have taken Hist 493 or equivalent.
857M Jungian Psychology (3) This course emphasizes the relationship between diagnosis and treatment. A Jungian approach is utilized. Psychology, literature, philosophy, and theology. Readings are organized by the instructor. Prepar: Psych 302 or Psych 854M. 

858M Psychological Statistics (Same as Speech 858M) (3) A course giving emphasis to in-depth understanding of statistics. Readings include hands-on writing of a paper. Prereq: Psych 101 or equivalent. 

855M Retardation (3) This course considers significantly sub-average intellectual functioning during the developmental period and associated with retardation in adaptive behavior. Research is emphasized. Prepar: Psych 831M, or Psych 212, or Psychology 343 or permission of instructor. 

850M Gerontology (Same as Gerontology 850) (3) This course considers the psychological, social, economic, and physical changes associated with aging. The impact of these changes on the individual and the community will be discussed. 

859M Psychology of Exceptional Children (3) A study of the special problems of children with visual, hearing, or neurological impairments, orthopedic anomalies, intellectual retardation, speech disorders, emotional or social maladjustments, learning disabilities, cultural and racial deprivation, and the characteristic relationships of parents, professionals, and others to these children. 

861M Engineering Psychology (3) The principles and applications of psychology are discussed as they relate to problems of designing machines for efficient human use. Prepar: Psych 201 or permission of instructor. 

862M Psychological Aspects of Industrial Training and Education (3) A study and application of the basic concepts, techniques, and procedures involved in preparing individuals for their jobs through training and education. 

863M Techniques of Programmed Instruction (3) An introduction of methods and technology with special emphasis on programmed instruction. 

864M Psychology 302 or permission of instructor. 

865M Research Problems In Psychological Statistics (3) A comprehensive introduction to the techniques and methodology used in the field of psychological statistics. 

870M The Profession of Psychology (3) A required non-credit course for graduate students and ALL Psychology majors. It is intended to familiarize the beginning graduate student with the profession of psychology including such topics as ethics, professional organizations, journal and book reviewing opportunities, the use of reference materials, professional credentialing, and other relevant material. Prepar: none. 

880V Seminar in Social Psychology (Same as Sociology 880V) (3-6) Assignment, reading, discussion, special problems leading to the writing and presentation of a paper applicable to a current topic in social psychology. Prepar: selected by the instructor. Prepar: Graduation and permission of instructor. 

882V Introduction to Language Theories (Same as Cours 820V) (3) Study of contemporary theories of counseling, the counseling process and methods. Prepar: Education 8820 or department permission. 

883V Tests and Measurements (3) A study of the theoretical and practical aspects of the development and use of psychological tests covering such topics as measurement, test development, standardization, reliability, validity, and interpretation. Prepar: Psych 210 (or equivalent). 

885V Seminar in Communication Theory (Same as Speech 885V) (3) Study of current trends and developments in communication theory and methods of approaching the study of communication with emphasis on theoretical models and the application to various practical situations. 

886V Clinical Child Psychology for School Psychologists (2) An advanced course in clinical psychology with emphasis upon diagnostic classification, developmental psychology, intelligence, and the prevention and treatment of learning disabilities. 

889V Problems in Psychology (1-6) A faculty supervised experience in involvement, applying psychological principles and/or literature to real-world problems. 

891V Proseminar: Personality (Pedrioli, Miller) (3) A course focusing on the development of personality and the application of personality theory to personal and social problems. 

893V Proseminar: Developmental Psychology (Hamm, LaVole) (3) A comprehensive examination of the life-span development, focusing on the processes involved in human development. 

895V Linguistic and Cognitive Development (2) An advanced, in-depth study of the theory and research concerning the development of language from infancy to adolescence. Prepar: Psych 352 (or equivalent) or permission of instructor. 

899V Social and Personality Development (3) A course which includes in-depth discussion of the research literature on social and personality development in infancy and childhood, methods of study for investigating such topics as they apply to social and personally development throughout the life span. All students will be expected to design and conduct a mini-observation study in the area of social and personally development. Prepar: None. 

906V Clinical Child Psychology for School Psychologists (2) An advanced course in clinical psychology with emphasis upon diagnostic classification, developmental psychology, intelligence, and the prevention and treatment of learning disabilities. 

908V Problems in Psychology (1-6) A faculty supervised experience in involvement, applying psychological principles and/or literature to real-world problems. 

911V Proseminar: Perception (Deltenbach, Schoenfeldt) (3) A comprehensive study of the perceptual processes underlying behavior. Prepar: Permission of instructor. 


952V Seminar in Developmental Psychobiology (Hendrick, Menzies, McGraw) (3) A course examining the methodological and empirical analysis of neuro- and other physiological changes contributing to developmental processes in intra- and inter-human subjects. Prepar: completion of the psychology/proseminar sequence (or equivalent) and permission of instructor. 

953V Seminar in Application of Non-Verbal Communication Theory (Same as Speech 955 & SED 953) (3) Theories and research on non-verbal communication theory, analysis of non-verbal interaction. Experiences training education, business, supervision, counseling, therapy, and interpretation. Prepar: Course in research methods or permission of instructor. 

954V Seminar in Small Group Communications (Same as Speech 940 and Sociology 940) (J. Brillhart) (3) Research and theory in the processes of small group interaction, communication, leadership, research procedures; approaches to teaching a discussion course. Prepar: Speech 801V (or equivalent). Psychology 412 (or equivalent) or permission of instructor. 

958V Proseminar: Social Psychology (Becker, Kesseler, LaVole) (3) Examination of theoretical, methodological, and practical issues in Social Psychology. Topics will include socialization, perception, cognition, leadership, group effectiveness; attitudes, swarm behavior, and social influence; power and social influence. New topics will be added as the course comes part of the research interests of social psychologists. Prepar: Permission of instructor. 

959V Proseminar: Experimental Social Psychology (Becker, LaVole) (3) An introduction to the methods and techniques of basic research design and a working understanding of key philosophical and methodological issues in social studies, either as himself or as a part of a small group. Prepar: Psychology 305 (or equivalent). Sociology 301 or 321 with laboratory and permission of instructor. 

965V Proseminar: Psychological Psychology (Hamm, LaVole) (3) A comprehensive examination of the processes involved in human and infra-human development. Prepar: Permission of instructor.
Public Administration

Course Descriptions

480M Public Budgeting (3) A study of the preparation and presentation of budgets for governmental units. Prereq: 317.

481M Personal Personnel Management (3) A study of the personnel process in American governmental administration. The processes and problems of recruiting, structuring, and operating, as well as personnel in governmental, educational, and private organizations. Prereq: 317.

483M Municipal Administration (3) The administrative structure and administrative practices of American cities covering such areas as finance, personnel, planning, public welfare, health, utilities, and planning. Prereq: P.S. 301, P.A. 317.

485M State Administration (3) A study of the administrative organization and procedures of selected states in the Federal System. An exploration of the principles of public administration at the level of state government is made on a comparative basis. Prereq: 317.

500V Seminar in the Research Methods of Political Science and Public Administration (3) A critical investigation of the methods of data collection and analysis for political science and public administration research. (Also listed under Political Science.) Prereq: 317, Permission of Graduate Advisor.

480V Seminar in Public Administration (3) An in-depth study of the relationships existing between the art and science of public administration, on the one hand, and the processes of political thought and political capacity on broad categories of political and administrative issues as they affect the individual. Prereq: 317, Permission of Graduate Advisor.

482V Seminar in Human Relations and Management (3) A study of human relations in public and private institutions. The sociological and psychological aspects of management in public and private institutions are explored. Prereq: 317, Permission of Graduate Advisor.

485M Coordination Techniques for Vocational Education (3) Reviews responsibilities and techniques of coordination for the vocational teacher-coordinator and/or vocational coordinator. Emphasis is placed upon the role of the administration of the part-time cooperative program and analysis of the laws and regulations governing this program. Prereq: 317, Permission of Graduate Advisor.

800V Special Studies (1-3) A series of intensive study of selected topics in professional education. Prereq: 317, Permission of Graduate Advisor.

484V Seminar in Public Organization and Management (3) A study of the principal managerial processes involved in governmental agencies. Prereq: 317, Permission of Graduate Advisor.

486V Seminar in Public Personnel Administration (3) This course focuses on the public personnel administration area and the human resources available in a graduate program by the master’s degree level and personnel in governmental departments. Prereq: 317.

815V Practicum Teaching-Community and Junior College (1) The practicum is intended for graduate students who may desire to become instructors in the Community College. The eligible student will be placed in a practicum situation in a recognized teaching position under the supervision of a certificated Community College Junior College instructor and a faculty supervisor from the College of Education.

820V Seminar for Cooperating Teachers (3) A seminar for selected prospective cooperating teachers. Discussion of problems, trends, research, and evaluation of student teachers and students aid in the secondary school. Assessment of kinds of programs and experience available to pre-service teachers.

825V Seminar in Secondary Education (3) Intensive study of problems involved in processes of current research and related literature in group and individual work. Emphasis is placed on problems of correlating the secondary school. Assessment of kinds of programs and experience available to pre-service teachers.

830V Emerging School Curriculum (3) Designing curricula with understanding of the nature and trends in secondary school curriculum and the core elements and practices in curriculum planning. Specific emphasis is placed on curriculum construction.

833V Analysis of Teacher Behavior (3) Emphasis is placed upon current observational systems for analysis of Teacher Behavior in classroom settings. Methods of analysis including written reports and analysis of in-depth instruction in interaction. Analysis, Micro-teaching, Non-Verbal Behavior, and Simulation. Student proficiency in these observational systems using video tape equipment is stressed.

835V Instruction of Secondary School English: Language (3) Exploration of the implications and contributions of current sociolinguistic, psychological, and educational research to instructional improvement in secondary English. The focus is on research in the teaching of literature and rhetoric for instructional improvement in the secondary English classroom.

845V Instruction of Secondary School English: Literature (3) Exploration of the implications and contributions of current sociolinguistic, psychological, and educational research to instructional improvement in the secondary English classroom.

847V Instruction of Secondary School English: Language and Literature (3) Exploration of the implications and contributions of current sociolinguistic, psychological, and educational research to instructional improvement in the secondary English classroom.

849V Instruction of Secondary School Social Studies (3) Designed to provide secondary social studies teachers with new materials in the Social Studies. Students will develop criteria for the evaluation of materials from recent curriculum projects.
Gradual improvement of instruction in the social sciences is considered to be an important part of the curriculum. This involves enhancing the understanding of classical concepts and their application in modern social contexts. The program aims to develop a comprehensive understanding of social phenomena, including the historical, cultural, and economic factors that shape social behavior. It also emphasizes the importance of empirical research and methodological rigor in social science research.

The program includes courses in social work, sociology, anthropology, and political science, among others. These courses are designed to provide students with a broad understanding of social issues and the tools to analyze and address them effectively. The curriculum also emphasizes the importance of ethical considerations in social research and practice.

Social Work Practice — Graduate

Sociology Work Practice — Graduate

870V Problems of Vocational Education

870V Problems of Vocational Education (3) Designed to help the student develop a better understanding of the purposes, philosophy, current practices and trends in business education.

877V Vocational Curriculum Construction (3) A course designed for students who wish to extend their knowledge of the secondary school mathematics curriculum beyond their current skill in employing instructional techniques for teaching mathematics. Focus is placed upon new curricular developments and contemporary teaching methods.

852V Foundations in Business Education (3) Designed to develop a deeper and broader understanding of business education, to identify and define business education and to examine its present and future role in the total education pattern of our country in today's world.

855V Improvement of Instruction of Secondary School Science (3) This course is designed for high school teachers in order to provide information, methods, and techniques related to current practices and trends in business education.

857V Improvement of Instruction of Secondary School Science (3) Designed for teachers of science and aims to improve their understanding of the scientific method, materials, and philosophical background of BSCS Biology (yellow).

850V Improvement of Instruction of Secondary School Science (3) This course is designed for teachers of science and aims to improve their understanding of the scientific method, materials, and philosophical background of BSCS Biology (yellow).

851 Social Welfare Policy and Services (2) Bachelor of Social Work: emphasis is placed on the role of social worker in community development, planning, and policy making.

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891 Social Welfare Policy and Services (2) Bachelor of Social Work: emphasis is placed on the role of social worker in community development, planning, and policy making.
880V Independent Study in Topics on Urbanism (Same as Geog. 888V & Econ. 888V) (1-3) (C) Research on an individual basis under faculty supervision in topics pertinent to the instructor. Undergraduate majors in one of the social sciences plus 6 hours of graduate work in one of the social sciences and permission of instructor.

885V-886V Interdisciplinary Seminar on the Urban Community (3-6) (C) Interdisciplinary seminar on the urban community in which various departmental and college offerings concern with urban problems are put in broad, interrelated focus. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences and permission of instructor.

885V-886V Seminar in Urban Economics (Same as Economics 885V-886V and Geog. 885V-886V) (3-6) (C) An examination of the theoretical basis for the analysis of urban economic problems with emphasis upon the policy alternatives available toward their possible solution. Prereq: Graduate standing and permission of instructor.

895V-896V Practicum in Applied Sociology (C) A practicum experience under supervision which provides opportunity for applied research and for the student's academic area of concentration. Prereq: Sociology majors for M.S. degree.

897V 898V Seminar in Small Group Communication (J. Brillhart) (Same as Speech 940V and Psychology 940V) (1-6) (C) Research and theory in the processes of small group communication and decision making. Special research procedures, approaches to teaching a discussion course. Prereq: Speech 890V or equivalent, or basic statistics, permission of instructor.

Special Education

Course Description

812M Reading Diagnosis and Remediation for the Exceptional Student - Classroom Teacher (3) This course is designed for future elementary classroom teachers who are interested in understanding the factors contributing to reading problems, their assessment and their remediation. Prereq: EED 330 or permission of instructor.

820M History: Education and Guidance of the Disabled (C) This course deals with the history of special education, current research and trends, educational and philosophical development, social laws, psychological, and social-economic problems. Special emphasis on the psychological and social aspects. Prereq: EED 111 or permission of instructor.

821M Teaching of Speech to the Deaf I (2) Methods and practices in teaching speech to the Hearing Impaired including emphasis on tactile, visual and auditory techniques. (F)

822M Teaching of Speech to the Deaf II (2) Continuation of Special Education for the Exceptional Child, special emphasis on various types of speech learning problems found in a population of deaf children. Prereq: EED 801.

823M Language Development of Hearing Impaired Children (3) Development of functional language for the hearing impaired child using techniques and materials for developing language skills, beginning reading skills as related to the acquisition of language. (F)

824M Teaching of Language to the Deaf II (3) Continuation of Special Education for the Exceptional Child, further consideration of criteria for selection and utilization of teaching methods and emphasis on language principles for the older deaf pupil. (S)

833M Speech Reading and Auditory Training (2) History of development of speech (lip) reading, methods and practice in teaching speech reading for various ages and degrees of hearing impairment. (S)

834M Teaching School Subjects to the Deaf II (3) Consideration of problems in deaf education, special instructional techniques. (S)

837M Basic Audiology (3) History of the field of audiology, types of hearing loss, methods of diagnosis, audiologic assessment including the case history, tuning fork tests, and pure tone and bone conduction testing. An overview of the field is given including some information on hearing loss as well as prevention and rehabilitation. (F,S)


839M Testing Disabilities (2) Study of developmental patterns in speech and language; concepts of normal and language development, evaluative techniques for identification of problem, their rehabilitation and of education for children and adolescents. Prereq: Graduate standing and permission of the instructor. (S)

842M Psychology of Speech: Psycho-linguistic processes basic to speech, theories of language learning, speech perception, semantics, interrelationships between speech and personality. (S)

843M Speech Pathology I: Voice and Articulation (3) Types and causes of voice and articulation disorders, classification and special emphasis on rehabilitation procedures and methods associated with individual deviations. (F)

844M Speech Pathology II: Rhythm and Speech Perturbation (3) Speech disorders and their classification, diagnosis, therapy and treatment of speech and voice problems. (S)

845M Speech Science II: Experimental and Applied Phonetics (3) Introduction to intonational and prosodic view of phonetic and phonological elements in major American English dialects, practice in transcription of standard and dialective speech. (F,S)

850M Speech Correction in the Elementary and Secondary Schools (3) Interdisciplinary approach for planning and implementing programs as related to goals of public education for school age children, role and responsibilities of the speech clinician, current research on individual evaluation, case load selection and scheduling; speech therapy techniques related to the population of the stimulus group, introductory techniques and their application to a variety of facilities. (F,S,Su) Prereq: Graduate standing and 6 hours Speech Pathology courses.

851M Basic Clinical Pracitcism in Speech Pathology (3) An introduction to the evaluation of 45-50 clients, hourly credit hours, supervised observation and practicum in speech and hearing center, diagnostic interviews, therapy sessions, lesson plans, weekly practicum summaries. (F,S,Su) Prereq: Graduate Standing and permission.

860M Introduction to the Mentally Subnormal Child (3) Nature and educational needs of children who are mentally subnormal, definitions, prevalence and types of children in educational programs, history, trends. (F,S)

862M Curriculum Planning for the Disabled (3) A modular course designed to develop a curriculum for disabled children and/or adults. Prereq: Speech 880V and 400 hours work experience with handicapped children.

866M Methods and Materials for Teaching the Mentally Retarded (3) An introduction to a variety of educational procedures designed for the learning needs, methodology and teaching materials. Practice in the design and implementation of curriculum units, preparation of curricular, instructional, evaluative programs for the trainable and educable retarded child. Prereq: Speech 880V, 400 hours work experience with handicapped children. (F)

867M Childhood Language Disorders (3) This course is designed to cover the various problems in language acquisition among exceptional children, and the various methods and materials in the teaching language to exceptional children. (F)

876M Development of Children in Early Childhood (3) This course is designed to cover the various problems in language acquisition among exceptional children, and the various methods and materials in the teaching language to exceptional children. (F)

878M Developmental Characteristics of Children and Youth (3) An introductory study of emotional characteristics of children and youth with attention to the symptoms and causes of emotional retardation, and the means of improvement. (F)

881M Classroom Techniques for Behavior Modification (3) This course covers the various theories on behavior modification and discusses the therapeutic and educational implications of these theories to the classroom. It is particularly appropriate for those teachers who teach a class for the emotionally disturbed or behaviorally handicapped child in their classes. Prereq: Graduate standing.

885M Introduction to the Education of the Physically Handicapped (3) Nature and educational needs of children and youth who are physically handicapped; definitions, prevalence and types of children in educational programs, history, trends. (F)

896M Clinical Observation of the Multi-handicapped (3) Survey of the multi-disciplinary team approach to treatment of handicapped children in the clinical setting.

890V Special Projects (1, 2 or 3) A series of courses in areas which require specialized field services. The service is scheduled as regular seminars, or workshops, according to purpose. (F,S,Su)

898V Interdisciplinary Approach to Developmental Disabilities (3) This is an introductory course dealing with principles, methodologies and empirical principles as varied by different disciplines at Meyer Children's Rehabilitation Institute. The different disciplines will come in and present an overview of their role in working with the developmentally disabled child. Prereq: FED 801.

897V Introduction to Speech and Hearing Disorders (3) A survey of speech, hearing, language, normal development, normal communication problems, the process involved in the rehabilitation of the communicatively impaired, and other associated disabilities. (F)

899V Research Projects (3) Individual or group study and analysis of specific problems.

912V Diagnostic and Remedial Instruction in Reading (1, 3) A course for advanced students in reading which will provide the student with the essential background for reading instruction and remediation of reading disabilities. (F,S,Su)

914V Measurement and Evaluation of Reading (3) A course for advanced students in reading which will provide the student with the essential background for reading instruction and remediation of reading disabilities. (F,S,Su)

915V Interpretation: Clinical Practice in Reading (3) A laboratory-oriented course for advanced students in reading which will provide the student with the essential background for reading instruction and remediation of reading disabilities. (F,S,Su)

924V Advanced Studies in the Disorders of Voice (3) Types and causes of voice disorders, rationale for case selection, clfft palate, special emphasis on rehabilitation techniques associated with individual involvement, pragmatic (F)

924V Advanced Studies in the Disorders of Voice and Speech (3) A course for advanced students in voice and speech disorders. Prereq: preclinical training, current research and their application to clinical practice. (F,S)

994V Advanced Studies in the Disorders of Aphasia and Related Problems (1) Types and causes of voice disorders, rationale for case selection, childhood aphasia, transtemporal and transcortical aphasia, case history, anamnesis, and the problems associated with individual involvement. (F)
845V Current Practices in Speech Pathology
This course provides for study and experience in the therapeutic programming utilizing behavioral modification techniques based on S-A inmn behaviors. It includes the study of recent literature and emphasis upon articulatory and language remedial procedures, using evaluation in speech and hearing problems. (F) Prereq: Graduate Standing and 4 hours Speech Pathology.

864V Diagnostic Methods in Communicative Disorders
(T) Tests and procedures for evaluating speech and language disorders; principles in differential diagnosis and report writing; observation during evaluation periods in speech and hearing disorders. (F) Prereq: Graduate Standing and 6 hours Speech Pathology.

847V Speech Science III: Neurophysiology of Speech and Language
(3) Introduction to human neuroanatomy and neurophysiology. Emphasis is placed on gaining familiarity with the cranial nerves, cranial and sensory and motor functions which underlie human communication and its disorders; individual projects. (F, S) 848V

850V Basic Clinical Practicum In Speech Pathology
This course provides for study and experience in clinical problems related to the therapy of speech and language disorders; placing clients on a research basis; additional topics in research design and implications for practice; use of artificial language; current research pertinent to this area. (F) Prereq: Graduate Standing and 6 hours Speech Pathology courses including voice problems.

851V Speech Problems of Cerebral Palsied Children
(3) Identification of types of cerebral palsy; the physical handicap; language, and additional handicaps; the role of the speech clinician on the team; types of therapy with special emphasis on the Biobehavior approach; current research and controversial issues will be discussed. (S) Prereq: SPED 847V.

864V Theoretical Approaches to Teaching Speech Pathology
(3) Theoretical approaches to teaching speech pathology; investigation of methods and materials; emphasis on the development of methods and development of evaluation of new methods and materials. (S) Prereq: SPED 868V.

868V Vocational Training for the Mentally Retarded
(3) Vocational aspects of mental retardation; the mentally retarded student as a client; a review of various methods for assessing hearing loss including case history, speech and language tests, and vocal observation; new and experimental procedures discussed; problems and procedures for selection and assessment; implication for diagnosis, remediation, and teaching. (F) Prereq: Graduate Standing.

866V Community Services For the Handicapped
(3) The student will be introduced to community and regional resources which provide services to individuals according to the needs of the individual. These resources will constitute activity centers, sheltered workshops, research centers, recreational facilities, foster care programs, residential facilities, and various programs will come to the informing the student of program goals and objectives. Emphasis on the development of programs and techniques is provided. (F, S) Prereq: SPED 865V.

872V Basic Observation and Student Teaching
872U in Special Education
(3 or 5) Classroom experience with exceptional children for graduate students. Professional experience in the field of speech and language disorders will be provided. Students will participate in observation, teaching, and a weekly seminar. (F, S, Su).

873V Advanced Observation and Student Teaching
This course will be offered as SPED 853V or S) A second semester of classroom experience with exceptional children for graduate students. The seminar will continue to provide ongoing field experience with exceptional children. Students will have had other professional experiences. Students will participate in observation, classroom participation, teaching, and a weekly seminar. (F, S, Su).

888V Methods and Materials for Teaching the Physically Handicapped
(3) Consideration of the physically handicapped child as his unique educational requirements. For speech pathologists. (F, S, Su, Prereq: Graduate Standing).

873U Advanced Practicum In Speech Pathology
A minimum of 240 clock hours of work is required for each student. Students will spend a minimum of 240 hours per semester. (S, Su) Prereq: 451 and Graduate Standing.

855V Abnormal Speech Rehabilitation (2)
Problems of voice and speech rehabilitation for the individual without a functional larynx; physiological and clinical aspects of voice as well as clinical procedures for esophageal, pharyngeal and laryngeal speech, and use of artifical larynx; current research pertinent to this area. (F) Prereq: SPED 850.

857V Problems of Speech Pathology
The student learns of the flexibilities and limitations of current research, student research and training, in the field of speech pathology. (F, S, Su) Prereq: SPED 850.

874V Problems of Teaching In Special Education
(3) This course provides for study and experience in the area of teaching exceptional children for graduate students. The seminar will continue to provide ongoing field experience with exceptional children. Students will have had other professional experiences. Students will participate in observation, classroom participation, teaching, and a weekly seminar. (F, S, Su, Prereq: Graduate Standing)

911V Seminar in Organization and Administration of Reading Programs
Students in the seminar is limited to individuals who have completed one graduate course (3 or equivalent) and are professional workers who are charged with the total responsibility for organizing and administering reading programs. Familiarity with the philosophy, organization, and administration of reading programs developed through the use of testing. This course will provide the student with the various techniques used for diagnosing and evaluating learning problems. (F, S, Su) Prereq: SPED 840.

912V Problems of Teaching Reading-Elementary
A seminar course in graduate and elementary special education for students who are charged with the total responsibility for organizing and administering reading programs. Familiarity with the philosophy, organization, and administration of reading programs. Each student will conduct self-initiated research with appropriate application for instructional procedures which may be undertaken by the student. Seminar students will be evaluated on one major written report for each semester of the activity.

913V Seminar in Research in Reading
A seminar course in graduate research and post-graduate reading research. Students will learn to plan and carry out research projects. Students will learn to critically evaluate research projects and critique the work of peers. Students will learn to write and communicate results of their investigations. (F, S, Su) Prereq: SPED 840.
standing

821M Studies in American Public Address (3) A study of representative American speakers from the Eighteenth Century to the present. Prereq: 9 hours of speech.

831M Political Broadcasting (3) A study of the evolving role of the electronic media in shaping political activities in our contemporary democracy. Prereq: Speech 200 or Journalism 101 or Political Science 100.

834M History of Broadcasting in the U.S. (3) An historical critical study of the instructional foundations of broadcasting in the United States, from its antecedents to the present. Prereq: Speech 230 and/or permission by instructor.


836M Broadcasting Sales Seminar (3) A study of the overview and broadcasting economics and sales. Prereq: Speech 230 and permission of the instructor.

837V Seminar in Electronic Media and U.S. Society: 1950-1970 (1-6) An indepth study of noted writings. In the form of interactions, a review of various sources, message, channel, and receiver variables and their influence on communication effectiveness. Prereq: Speech 101 and 3 hours psychology or sociology or permission.

850M General Semantics: A System of Inquiry in Developmental-Environmental Communication (3) An introductory, student participation course designed to sustain and advance individual and humanization development awareness, self-actualization and empathic orientations — in various and changing environments — by means of linguistic and diagrammatic devices in both intrapersonal and interpersonal communication.

851M Persuasion (1, 1.5, 2) (Basic principles and psychological processes underlying persuasive communication; a review of various source, message, channel, and receiver variables and their influence on communication effectiveness. Prereq: Speech 101 and 3 hours psychology or sociology or permission.

852M Psycholingustics (2) (Same as Psychology 852M and ANTH 852M) A discussion of the literature concerned with how such psychological variables as perception, learning, memory, and development relate to the linguistic variables of sentence structure, meaning, and speech sounds. Prereq: Senior or graduate standing in Psychology or Speech or permission.

853M Seminar in Cross Cultural Communication (3) Directed towards understanding the components of cultural and subcultural miscommunication, with the purpose of bringing to awareness those factors which disturb communication in cross-cultural situations. (Cross-listed as Soc. 853M) Prereq: Admission to graduate study and permission of the instructor.

862M Directing Forensics (3) To provide students planning to teach speech in high school or college with a philosophy and detailed knowledge of how to direct a forensics program. Prereq: Speech 112 or permission.

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

811V Seminar: Modern Public Address (3) Studies in figures, movements and institutions prominent in modern public address. May be repeated. Prereq: Permission of the instructor.

815V College Debate Workshop (3) (3) A study of the development of the collegiate debate proposition. Also stresses methods of coaching debate and debate tournament management at the college level. Students taking this course may not only receive credit for Speech 862M, "Directing Forensics," toward a degree at UNO. Prereq: Graduate standing and permission.

830V Seminar in Broadcasting (3) Substantive study into specialized areas and modes of broadcasting. Content will vary according to the individual semester being offered. Course may be repeated. Prereq: Graduate standing and permission.

850V Seminar in Communication Theory (3) Analysis of current approaches to the study of communication, with emphasis on theoretical models and their application to various professional interests. (Same as Psychology 850V) Prereq: Basic Statistics or by permission of instructor.


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

940 Seminar in Small Group Communication (3) (Same as Sociology 940 and Psychology 940) Research and theory in the processes of small group communication and leadership; research procedures, approaches to teaching a discussion course. (Brinhaert) Prereq: Speech 801V or equivalent, or basic statistics, or permission of the instructor.

955 Seminar in Applications of Non-Verbal Communication Theory (3) (Same as Secondary Education 936 and Psychology 936) Theories and research on the development, tactics and functions of human non-verbal communication. Analysis of non-verbal interaction with specific applications to education, business, supervision, counseling, therapy and interpersonal speech communication. Prereq: Course in research methods or permission of instructor.

Urban Studies

Course Description

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, housing, crime, education, and the environment will be analyzed.

802V Race, Ethnicity, and American Urban Culture (3) This course explores two central themes, race and ethnicity, which have played a dominant role in the shaping of American society and American culture.

803V-884V Interdisciplinary Seminar on the Urban Community (1-4) An interdisciplinary course on the metropolitan community in which urban problems are put in a broad focus. (Also listed under Economics, Geography, Political Science, and Sociology)
GRADUATE FACULTY
1975-76

ROBERT L. ACKERMAN ........ Elementary and Early Childhood Education
Ed.D., University of Nebraska-Lincoln, 1969; Professor and Chairman of Department

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

FREDERICK W. ADRIAN .......... History
Ph.D., Ohio State University, 1942; Professor

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

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

CLIFFORD ANDERBERG .......... Philosophy and Religion
Ph.D., University of Wisconsin, 1953; Professor and Chairman of Department

WILLIAM L. ANTHES .......... Business Administration
Ph.D., University of Arkansas, 1972; Assistant Professor

AARON ARMFIELD ...... Special Education
Ed.D., Northern Colorado University, 1964; Professor and Chairman of Department

BRUCE P. BAKER .......... English
Ph.D., Texas Christian University, 1968; The Albert H. Jeffries Professor

GEORGE BANGER .......... Sociology
Ph.D., University of Missouri, 1964; Professor and Chairman of Department

NICHOLAS BARRS .......... Geography-Geology
Ph.D., Clark University, 1957; Professor

PAUL L. BECK .......... History
Ph.D., University of Nebraska-Lincoln, 1981; Professor

GORDON BECKER (GF) .......... Psychology
Ph.D., University of Pittsburgh, 1955; Professor

RONALD S. BEER .......... Educational Administration and Supervision
Ph.D., Kent State University, 1969; Professor and Vice-Chancellor for Educational and Student Services

JOSEPH V. BENAK .......... Civil Engineering
Ph.D., University of Illinois, 1967; Registered Professional Engineer, Professor

ROBERT W. BENNEKE .......... Business Administration
D.B.A., University of Colorado, 1966; Professor

KIRK E. BERG .......... Health, Physical Education and Recreation
Ed.D., University of Missouri, 1972; Assistant Professor

ROGER M. BERG .......... Elementary and Early Childhood Education
Ph.D., Northwestern University, 1972; Assistant Professor

KENNETH BERRY .......... Psychology
Ph.D., Texas Christian University, 1964; Associate Professor of Medical Psychology;
(Join Appointment with College of Medicine)

JOSEPH BERTINETTI .......... Counseling and Guidance
Ph.D., University of New Mexico, 1972; Assistant Professor

HOLLIE B. BETHHEL .......... Elementary and Early Childhood Education
Ed.D., University of Colorado, 1957; Professor

JOSEPH DABNEY BETTIS .......... Psychology and Religion
Ph.D., Princeton University, 1964; Professor and Associate Dean, College of Public Affairs and Community Service

JOHN V. BLACKWELL .......... Art
Ph.D., State University of Iowa, 1957; Professor

RICHARD BLAKE .......... Counseling and Guidance
Ph.D., University of Missouri, 1956; Professor

WILLIAM L. BLIZEK .......... Philosophy
Ph.D., University of Missouri, 1970; Assistant Professor

JAMES BOISMIER .......... Psychology
Ph.D., George Peabody College for Teachers, 1972; Assistant Professor (Joint appointment with College of Medicine)

NORMAN F. BOLLEA .......... Civil Engineering
Ph.D., Rensselaer Polytechnic Institute, 1969; Associate Professor and Registered Professional Engineer

M. JEAN BRESSLER .......... Secondary/Post-Secondary Education
Ph.D., University of Nebraska-Lincoln, 1965; Associate Professor

JOHN K. BRILHART (GF) .......... Speech
Ph.D., Pennsylvania State University, 1962; Professor

MERLE F. BROOKS .......... Biology
Ph.D., University of Colorado, 1956; Professor

WILLIAM M. BROWN .......... Business Administration
Ph.D., University of Washington, 1969; Assistant Professor

WILLIAM M. BROWN .......... Business Administration
Ph.D., University of Pittsburgh, 1957; Professor
HUGH P. COWDIN, Ph.D., University of Iowa, 1968; Professor.

JERRY BRUCE CEOERBLOM, Ph.D., Louisiana State University, 1961; Professor.

WILLIAM G. CALLAHAN, Ed.D., University of Nebraska-Lincoln, 1968; Associate Professor.

ROBERT R. BUTLER, Ph.D., University of Nebraska-Lincoln, 1968; Professor.

DALE M. BUNSEN, Ph.D., University of Nebraska-Lincoln, 1970; Professor.

CHARLES SIDNEY BUCHANAN, Chairman of Department of Political Science, State University of Iowa, 1973; Assistant Professor; Director, University Theatre.

JOHN T. FARR, Ph.D., University of Missouri, 1955; Professor.

BOBOLYN FLEMING, Ph.D., University of Missouri, 1953; Professor; Chairman of Department.

FRANKLIN S. FORBES, Associate Professor, Administration (Law and Society), State University of Iowa, 1963; Professor.

JOSEPH A. FREYVALD, Mathematics, University of Oklahoma, 1965; Associate Professor.

HERBERT GARFINKEL, Philosophy, Ph.D., University of Chicago, 1956; Professor; Chairman of Academic Affairs.

MARGARET GESSOFF, Mathematics, Montana State University, 1964; Associate Professor and Chairperson of the Department.

JOHN H. GILMORE, Engineering Education, Ph.D., University of Nebraska, 1969; Associate Professor and Acting Chairman of the Department.

JAMES B. GREGG, Physics, Ph.D., Washington State University, 1971; Assistant Professor.

J.W. HAGEN, Biological Sciences, Ph.D., University of Nebraska-Lincoln, 1968; Assistant Professor.

JACOB A. HALL, Art, Ph.D., University of Nebraska-Lincoln, 1973; Professor and Acting Chairperson of the Department.

DONALD A. HARI, Social Science, Ph.D., University of Iowa, 1963; Professor.

RAYMOND A. HARRIS, Management (Management and Organizational Behavior), Ph.D., University of Texas, 1966; Associate Professor; Chairman of the Department.

SCOTT HARVEY, Law, J.D., University of Chicago, 1949; Professor.

GEORGE T. HARRIS, Business Administration, Ph.D., State University of Iowa, 1960; Associate Professor.

WARD T. HARRISON, Speech, Ph.D., University of Nebraska, 1967; Assistant Professor.

JOHN H. HART, Business Administration, Ph.D., Columbia University, 1950; Assistant Professor.

PAUL H. HARRIS, Business Administration, Ph.D., University of Chicago, 1948; Professor.

DONALD J. HARRIS, Business Administration, Ph.D., University of Iowa, 1963; Professor; Assistant to the Provost for Administration (Finance).

MARY R. HALL, Business Administration, Ph.D., University of Nebraska-Lincoln, 1973; Associate Professor and Associate Dean.

HAROLD L. HAMMER, History, Ph.D., University of Nebraska, 1966; Assistant Professor.

HAROLD L. HAMMER, History, Ph.D., University of Nebraska, 1966; Associate Professor.

LOUIS HAMBURGER, Economics, Ph.D., University of Wisconsin, 1967; Associate Professor.

HARRY L. HARSHBURGER, Political Science, Ph.D., University of Nebraska, 1969; Associate Professor.

RENEE F. HAUSER, Mathematics, Ph.D., University of Nebraska-Lincoln, 1968; Professor.

NANCY G. HAVENS, Business Administration, Ph.D., University of Arizona, 1966; Associate Professor.

JAMES P. HAY, Communication, Ph.D., University of Nebraska, 1970; Assistant Professor.

JOHN D. HAYES, Mathematics, Ph.D., University of Nebraska, 1964; Associate Professor.

NORRIS H. HAWKINS, Business Administration, Ph.D., University of Nebraska-Lincoln, 1963; Professor.

CLAUDIA HOBBS, Business Administration, Ph.D., University of Nebraska, 1968; Associate Professor.

HERBERT A. HOGGETT, Business Administration, Ph.D., University of Nebraska, 1969; Associate Professor.

WILLIAM H. HOGG, Business Administration, Ph.D., University of Nebraska-Lincoln, 1967; Associate Professor.

JOHN E. HOLT, Business Administration, Ph.D., University of Nebraska, 1968; Professor.

HERBERT A. HOFFMAN, Business Administration, Ph.D., University of Nebraska, 1969; Associate Professor.

NORMAN W. HOFFERT, Sociology, Ph.D., University of Oregon, 1970; Assistant Professor.

MARVIN HOFSTETTER, Sociology, Ph.D., University of Nebraska-Lincoln, 1968; Associate Professor.

RICHARD D. HOLLAND, Psychology, Ph.D., University of Nebraska, 1972; Assistant Professor.

DONALD J. HOFFNUNG, Business Administration, Ph.D., University of Nebraska, 1963; Professor.
ANDRÉS SKUDEJA........... Sociology
Ph.D., University of Minnesota, 1973; Assistant Professor

KEITH P. SMITH (GF)........... Mathematics
Ph.D., Iowa State University, 1966; Assistant Professor

PAUL J. STAGEMAN............. Chemistry
Ph.D., University of Nebraska-Lincoln, 1963; Professor

RICHARD H. STASIAK........... Sociology
Ph.D., University of Minnesota, 1972; Assistant Professor

ERIODY J. STEELE............. Business Administration (Economics)
Ph.D., State University of Iowa, 1957; The Frederick W. Kayser Professor

R. TIMOTHY STEIN............ Political Science
Ph.D., University of Nebraska, 1972; Assistant Professor

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

JUSTIN D. STOLEN............. Business Administration (Economics)
Ph.D., University of Illinois, 1969; Associate Professor

DALE A. STOVER.............. Religion
Ph.D., Vanderbilt University, 1967; Assistant Professor

FRED STRIDER (GF)............. Psychology
Ph.D., University of Nebraska-Lincoln, 1961; Associate Professor; (Joint Appointment with the College of Medicine)

DAVID M. SUTHERLAND........... Biology
Ph.D., University of Nebraska, 1967; Assistant Professor

DAVID M. SUTHERLAND........... Biology
Ph.D., University of Washington, 1967; Associate Professor

PETER T. SUZUKI............. Urban Studies
Ph.D., Leiden University, 1959; Associate Professor

THOMAS P. WALSH............. English
Ph.D., University of Nebraska-Lincoln; Associate Professor

MAURICE WARD.............. Educational Foundations
Ed.D., University of South Dakota, 1969; Associate Professor

RALPH M. WARD (GF)........... English
Ph.D., Harvard University, 1940; Foundation Professor

FLOYD T. WATERMAN (GF)....... Educational Foundations
Ed.D., Columbia University, 1965; Professor, Director, Center for Urban Education

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

JAMES WILLIAMS.............. Psychology
Ph.D., University of London, 1956; Professor; (Joint Appointment with College of Medicine)

MARY E. WILLIAMSON........... Speech
Ph.D. University of Missouri-Columbia, 1973; Assistant Professor

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J.D., University of Illinois, 1947; Associate Professor

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Ph.D., Ohio State University, 1969; Associate Professor

JAMES M. WOOD............. Special Education
Ph.D., University of North Carolina, 1967; Assistant Professor; (Joint Appointment with College of Medicine)

RICHARD L. ZEBARTH........... Secondary Education
Ph.D., University of Minnesota, 1963; Associate Professor

LUCILLE ZIELINSKI............. Social Work
M.S.W., Wayne University, Detroit, 1947; Associate Professor
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