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AT OMAHA

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for the academic year

1974-1975

UNIVERSITY OF OMAHA 1908—1931
MUNICIPAL UNIVERSITY OF OMAHA 1931—1968
THE UNIVERSITY OF NEBRASKA AT OMAHA

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Dr. Ralph Wardle: Shedding the chalk dust

The cover photo focuses on a contented man at the pinnacle of his career.

For Dr. Ralph Wardle, the 1974 spring semester climaxed 30 teaching years at the University of Nebraska at Omaha. The retrospective summary of this distinguished English professor was typically modest: "I always wanted to teach and write. That's what I have been doing."

In fact, he has done it very well. Dr. Wardle's skill in the classroom has earned him a volume of academic accolades including the Albert W. Jefferys professorship in English and one of UNO's first Foundation professorships. He also served as chairman of the English department from 1946 to 1969.

Now, having shaken the chalk dust from his hands, Ralph Wardle is immersed in his other professional metier as a biographer of famous British writers. He has won national acclaim with his biographies of such literary notables as Oliver Goldsmith, William Hazlitt and the first British feminist, Mary Wollstonecraft ("written long before women's lib was in vogue!"). He is currently documenting the life and tomes of Charles Lamb.

"In the classroom," Dr. Wardle mused, "I relished the contact with young people. As a biographer, I find myself almost married to the past. It has been a delightful mixture with one reservation — I've never learned how to act with people my own age!"
UNIVERSITY OF NEBRASKA AT OMAHA
HISTORICAL SKETCH

The University of Nebraska at Omaha became part of the state university system on July 1, 1968, but its history as an educational institution covers more than a half-century.

In 1908, the University of Omaha was incorporated as a co-educational, non-sectarian college. The first college term opened in September, 1909, under the leadership of Dr. Daniel E. Jenkins. The original campus was located at 24th and Pratt Streets.

The University grew rapidly in these early years. Its physical plant was developed through the acquisition of additional properties. The John Jacobs Memorial Gymnasium, a gift of Mrs. M. O. Maul, and Joslyn Hall, a gift of Mrs. George A. Joslyn, were the major buildings.

The movement to make the University a municipal institution began in 1929. In that year the Legislature of Nebraska passed an act authorizing cities of the metropolitan class to establish and maintain municipal universities.

The citizens of Omaha voted on May 6, 1930 to establish the Municipal University of Omaha. In the summer of 1930, the Omaha Board of Education selected the first University Board of Regents, which was inducted into office on July 1, 1930. In January, 1931, the new Board of Regents took over the old University of Omaha and its properties.

In November, 1936, the University received a grant from the Public Works Administration. This grant, together with accrued building funds, financed in 1937-38, the erection of a modern educational structure of Georgian style (the Administration Building) on the permanent 52-acre site south of Dodge Street at 60th.

The University continued to grow. Important advances were made in faculty personnel, curricular reforms, administrative organization, scientific laboratories, and in library facilities during the administrations of Dr. W. E. Sealock, 1931-35, Dr. Rowland Haynes, 1935-48, Dr. Milo Bail, 1948-65, Dr. Leland Traywick, 1965-66, Dr. Kirk E. Naylor, 1967-71, and Dr. John V. Blackwell, interim chancellor, 1971-72. Dr. Ronald W. Roskens, the present chancellor, took office in July, 1972. The University now has seven undergraduate colleges, plus a School of Fine Arts and a Graduate College.

In July, 1968, after a vote of the citizens of Omaha, the Municipal University of Omaha merged with the University of Nebraska system and became the University of Nebraska at Omaha.

The University’s physical plant includes the Administration Building; the $750,000 Fieldhouse, stadium and playing fields built in 1949 and renovated in 1971, (in 1973, artificial turf was added to the playing field;) the $850,000 Gene Eppley Library completed in 1955 and two $580,000 wings completed in 1963; the Milo Bail Student Center, built in 1959 and the $824,272 addition to that structure in 1972; the Engineering Building, completed in 1959 and enlarged in 1962 and 1964 with wings totaling $575,942; Allwine Hall, a $3.5 million building housing the departments of biology and chemistry, completed in 1970, and the last building built without the use of state funds; Kayser Hall, a $1.5 million classroom/office building housing the College of Education; the Performing Arts Center, Phase One, built for $1,925,000 and completed in 1973; and a $3.7 million classroom/office building scheduled for completion in 1975.

In addition, temporary structures and newly acquired property to the west of the main campus provide space for a growing student body, faculty and staff.
THE UNIVERSITY AT A GLANCE

... To earn a living
And live a cultured life
Not as two processes
But as one ... 

The primary purposes of the University of Nebraska at Omaha are first, to maintain a faculty of dynamic teacher-scholars of high character and competence who will inspire able and willing students to achieve to the maximum of their abilities; and second, to provide classroom, laboratory, and library facilities adequately equipped to produce an environment conducive to learning of the highest order.

By contemporary standards the University of Nebraska at Omaha is not a large institution. Composed of a student body of about 13,000 (about 5,500 day only, 4,200 evening only, and 3,000 both), the University attempts to treat each student as an individual; his background, his problems, and his aspirations all receive constant attention. Ample opportunity is provided for specialized study in terms of interest, talent, and ultimate vocational objective. Thus, the University is concerned that its graduates be good citizens who earn a better living and live a richer, fuller life.

A university may well be judged by the success of its graduates. For a half century since its founding in 1908, the University has furnished Omaha, the state of Nebraska, and the nation with men and women of sound intellectual training and strong character.

The University of Nebraska at Omaha has seven undergraduate colleges — the College of Arts and Sciences, the College of Education, the College of Business Administration, the College of Engineering and Technology, the College of Continuing Studies, the College of Home Economics, the College of Public Affairs and Community Service, and the School of Fine Arts. In addition, there is a Graduate College. Each conducts day and evening classes to meet the multiple needs and demands of the community.

The University, as a further service to the community, designs training courses for thousands of business and industrial employees; supplies in-service training for teachers; conducts television classes for University credit on KMTV and WOW-TV; and sponsors a wide variety of conferences, workshops, lectures, and concerts to enrich the regular academic program.

ACCREDITED STANDING

The University of Nebraska at Omaha is fully accredited by the North Central Association of Colleges and Secondary Schools, the National Council for Accreditation of Teacher Education, American Assembly of Collegiate Schools of Business. It has programs approved by the American Chemical Society, The Council on Social Work Education, the Engineers Council for Professional Development, 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 Urban Universities, 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, 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.
### FIRST SEMESTER, 1974-75

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 15</td>
<td>Last day for submitting credentials for admission to Graduate Studies for First Semester 1974-75</td>
</tr>
<tr>
<td>July 15–Aug. 31</td>
<td>Orientation.</td>
</tr>
<tr>
<td>Aug. 15</td>
<td>Last day for submitting credentials for admission to an undergraduate college for the First Semester 1974-75.</td>
</tr>
<tr>
<td>Aug. 26</td>
<td>Beginning of academic year.</td>
</tr>
<tr>
<td>Aug. 28–29</td>
<td>Final Registration.</td>
</tr>
<tr>
<td>Aug. 30</td>
<td>Change of class schedules.</td>
</tr>
<tr>
<td>Sept. 2</td>
<td>Labor Day.</td>
</tr>
<tr>
<td>Sept. 3</td>
<td>First Semester begins at 0730 both day and evening classes.</td>
</tr>
<tr>
<td>Sept. 6</td>
<td>Last day up to 1600 for 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.)</td>
</tr>
<tr>
<td>Oct. 11</td>
<td>Last day for filing applications for degrees to be conferred in December.</td>
</tr>
<tr>
<td>Oct. 12</td>
<td>Homecoming football game.</td>
</tr>
<tr>
<td>Oct. 25</td>
<td>Due: Mid-term (8th week) report from faculty of grades under C for all undergraduates.</td>
</tr>
<tr>
<td>Nov. 22</td>
<td>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.</td>
</tr>
<tr>
<td>Nov. 27</td>
<td>Thanksgiving recess begins at 2140, offices closed.</td>
</tr>
<tr>
<td>Dec. 2</td>
<td>Classes resume at 0730.</td>
</tr>
<tr>
<td></td>
<td>Status report for all prospective graduating students due in Registrar’s Office by 1200.</td>
</tr>
<tr>
<td></td>
<td>Last day for submitting credentials for admission to Graduate Studies for Second Semester 1974-75.</td>
</tr>
<tr>
<td>Dec. 12</td>
<td>Last day of classes.</td>
</tr>
<tr>
<td>Dec. 13–20</td>
<td>Finals.</td>
</tr>
<tr>
<td>Dec. 21</td>
<td>Commencement.</td>
</tr>
<tr>
<td>Dec. 23</td>
<td>Grades due in Registrar’s Office by 1200.</td>
</tr>
</tbody>
</table>

### SECOND SEMESTER 1974-75

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 1</td>
<td>Holiday.</td>
</tr>
<tr>
<td>Jan. 9</td>
<td>Last day for submitting credentials for admission to an undergraduate college for the Second Semester 1974-75.</td>
</tr>
<tr>
<td>Jan. 15–16</td>
<td>Final Registration.</td>
</tr>
<tr>
<td>Jan. 17–24</td>
<td>Change of class schedules.</td>
</tr>
<tr>
<td>Jan. 20</td>
<td>Second Semester begins at 0730 both day and evening classes.</td>
</tr>
<tr>
<td>Jan. 24</td>
<td>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.)</td>
</tr>
</tbody>
</table>
March 14  Due: Mid term (8th week) report of grades under C for all undergraduates.
March 14  Last day for filing applications for degrees to be conferred in May.
March 22  Spring vacation begins at 1200.
March 31  Classes resume at 0730.
April 4  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 6  Honors Day at 1430.
          Last day for submitting credentials for admission to Graduate Studies for the Evening Summer Session 1974-75.
May 1  Status report for all prospective graduating students due in Registrar’s Office at 1200.
May 8  Last day of classes.
May 9–16 Finals.
May 16  Last day for filing credentials for admission to Graduate Studies for the First Summer Session 1974-75.
May 17  Commencement.
May 20  Grades due in Registrar’s Office by 1200.
May 24  Alumni Achievement Day.
May 27  Memorial Day. University closed.

SUMMER SESSION, 1975

May 19–July 11  Evening Session
June 2  Last day for submitting credentials for admission to an undergraduate college for first Summer Session.
June 4–5  Final Registration.
June 6–10  Change of class schedules.
June 9–July 11 First Summer Session.
June 16  Last day for submitting credentials for admission to Graduate Studies for the Second Summer Session 1975.
June 30  Last day for submitting credentials for admission to an undergraduate college for the Second Summer Session 1975.
July 4  Holiday.
July 7  Last day for filing applications for degrees to be conferred August 31, 1975.
July 14–Aug. 30 Orientation.
July 14  Last day for submitting credentials for admission to Graduate Studies for the Fall Semester 1975-76.
July 14–Aug. 15 Second Summer Session.
July 31  Last day for submitting credentials for admission to an undergraduate college for the Fall Semester 1975-76.
Aug. 7  Status report for all prospective graduating students due in Registrar’s Office by 1200.
Aug. 16  Summer Commencement.
Aug. 20  Final grades due in Registrar’s Office by 1600.

*The above dates are subject to change.
I. ADMISSION TO THE UNIVERSITY

A. How to Apply

1. An application for admission may be obtained from the Admissions Office, Adm. Bldg. Room 144 or from most high schools in the State of Nebraska.

2. The applicant must submit a completed application form and a non-refundable application fee* ($10 for a resident of Nebraska and $25 for non-resident) to his high school counselor. The application, application fee (payable by check or money order), two high school transcripts, and application for financial aid should be mailed to UNO in one packet by the high school.

3. Required Entrance Tests
   a. Prospective applicants may take either the American College Test (ACT) or the Scholastic Aptitude Test (SAT). Students are encouraged to take the ACT or SAT either during the junior year or early in the senior year of high school. Official scores are to be sent to the University of Nebraska at Omaha.
   b. Complete information on the ACT or SAT may be secured from the high school counselor or from the Counseling and Testing Center at UNO (Adm. Bldg. 213).

4. All credentials received in connection with applications for admission become the property of UNO. Under no circumstances will they be duplicated, returned to the applicant, or forwarded to any agency or other college or university.

B. When to Apply

1. Apply after completion of the junior year in secondary school, or early in the semester preceding the intended enrollment if one is a transfer applicant.

2. All credentials are to be on file in the Admissions Office no later than August 1 for the fall semester, January 1 for the spring semester, June 1 for the first summer session, and July 1 for the second summer session.

C. Transfer Students

A transfer student must file complete credentials which include (a) completed application, (b) the nonrefundable application fee, which is $10 for residents of Nebraska and $25 for non-residents, (c) an official transcript with raised seal, to be sent directly to the Admissions Office by the Registrar at each institution previously attended. Official transcripts are required from all colleges and universities attended, whether or not credit was earned. (d) Transfer students who have earned twelve or more semester hours of college credit are not required to submit a high school transcript or test score from the ACT or SAT. (e) Transfer students must be in good standing at the institution last attended. The Committee on Admis-

*All applicants must submit the application fee, which is $10 for legal residents of Nebraska and $25 for non-residents. This application processing fee must be in the form of a check or money order (NOT CASH), must accompany the application, and is not refundable and not applicable on tuition.
sions denies admission to any student under suspension who has been out of school less than one calendar year.

D. Former Students
Former students should obtain an application for readmission from the Admissions Office. Official transcripts from all institutions attended after leaving UNO must be filed with the Admissions Office.

E. Adult Evening and Part time Requirements for the College of Continuing Studies (7 hours maximum per semester)
1. Credentials required are: a) a completed part time College of Continuing Studies application  b) the nonrefundable application fee which is $10 for residents of Nebraska and $25 for non-residents c) an official transcript with raised seal from each college or university attended.
2. This application (CCS) may not be used for teacher certification, recertification, or for pursuing Professional Education courses. Information concerning appropriate forms and credentials for these areas is available in the Admissions Office.

F. Non-Degree Students
1. Credentials required to register as a “Non-Degree” student are:
   a. A completed “Non-Degree” application form
   b. The nonrefundable application fee which is $10 for residents of Nebraska and $25 for non-residents submitted with the application.
   c. A “Statement of Good Standing” from the last college or university attended if the student has attended an institution within the past year.
2. This application allows a student to enroll at UNO for ONE SEMESTER ONLY. If a student wishes to register for classes again, he must file complete credentials as required by the University.
3. The “Non-Degree” application may not be used for teacher certification, recertification or for enrolling in Professional Education courses. Information concerning appropriate forms and credentials required for these areas is available in the Admissions Office.
4. After the regular deadline date has passed, an applicant will be considered for admission only as a non-degree student. Students admitted as “Non-Degree” students may qualify as degree seeking students by submitting the complete credentials as required by UNO. Credit earned as a non-degree student will be accepted toward fulfilling degree requirements.

G. Summer Session Students
1. Transient or visiting students (not seeking a degree) should complete the Non-Degree Form. A Statement of Good Standing from the last college or university attended is required if the student has attended an institution within the past year.
2. Students wishing to enter a college for teacher certification or recertification or to take professional education courses must file
complete credentials as required by the College of Education. (see Section A).

3. Students who wish to enroll for summer courses as degree-seeking students or continue in the fall must file complete credentials as required by the University. (See Section A).

H. Foreign Students
Information concerning admission of foreign students may be obtained by contacting the Admissions Office at UNO. Appropriate material will be sent to the prospective student upon request.

I. University System Registration and Transfer Procedures
1. Students who are enrolled at any of the other University of Nebraska System campuses who wish to register for courses at the University of Nebraska at Omaha should complete the application for Inter-Campus Registration. These students are eligible to register during early registration if currently enrolled at their home campus.

2. Students who are enrolled at any of the other University of Nebraska System campuses and wish to make a permanent change of campus to the University of Nebraska at Omaha should complete the appropriate Change of Campus forms. By completing the forms and following the instructions, the credentials from the previous campus will be transferred to the University of Nebraska at Omaha upon student request.

3. Information concerning Inter-Campus registration and the Change of Campus procedure is available at the Admissions Office. Adm. Bldg. Room 144.

II. REQUIREMENTS FOR ADMISSION
A. A graduate of any accredited high school is eligible to apply for freshman standing. The colleges require presentation of credit in certain subjects as indicated.

<table>
<thead>
<tr>
<th>COLLEGE OF CONTINUING STUDIES</th>
<th>No specific requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLEGE OF ARTS AND SCIENCES</td>
<td>No specific requirements</td>
</tr>
<tr>
<td>COLLEGE OF ENGINEERING AND TECHNOLOGY</td>
<td>Each engineering curriculum requires:</td>
</tr>
<tr>
<td></td>
<td>Trigonometry ½ year</td>
</tr>
<tr>
<td></td>
<td>Algebra 2 years</td>
</tr>
<tr>
<td></td>
<td>Geometry 1 year</td>
</tr>
<tr>
<td></td>
<td>Science 1 year</td>
</tr>
</tbody>
</table>

Students with deficiencies in these areas will be admitted as Pre-Engineering students. When deficiencies are removed, the student will be admitted to the engineering curriculum of his choice.

High school graduation or equivalent. A high school transcript indicating a sufficient background in mathematics (2 years of algebra) so as to be able to achieve the objectives of the curriculum. High school deficiencies may be made up
before formal entry into the engineering technology programs.

Algebra — 1 year. Deficiency may be removed after registration.

No specific requirements

The requirements for admission to the College of Home Economics are as follows:

<table>
<thead>
<tr>
<th>Subject</th>
<th>High School Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (1 unit algebra and 1 unit other mathematics, preferably plane geometry or a second year of algebra.)</td>
<td>2</td>
</tr>
<tr>
<td>Additional academic units (English, foreign language, mathematics, natural science, social science.)</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

Deficiencies in the required entrance subjects can be removed by completion of these subjects in the University, by correspondence, or by supervised study in the University Extension Division. An entrance deficiency can be removed by a grade of C or more on a qualifying examination. Credits earned in the University to remove entrance deficiencies can be applied as elective credits toward the total hours needed for graduation.

No specific requirements

B. Graduates of non-accredited high schools may be admitted provisionally. Such students must acquire regular standing, through successful course work, within their first semester of attendance.

Persons at least 18 years of age who do not fulfill the admission requirements for freshman standing, but who present equivalent academic training (satisfactory General Educational Development Test scores, etc.) or who have otherwise acquired adequate preparation for collegiate courses may be admitted to the college of his or her choice. According to Nebraska State Law, the class in which he or she was enrolled in at the time of withdrawal must have been graduated for at least one year to be eligible for admission.

III. ADVANCED STANDING

A. Credits submitted by transcript from other colleges and universities will be properly evaluated for admission to any one of the five colleges by the
Director of Admissions. Evaluations are forwarded to the Dean of the College and the Registrar. All credentials must be on file prior to August 1 for the fall semester, January 1 for the spring semester, June 1 for first summer session, and July 1 for second summer session.

IV. TRANSFER OF CREDIT

A. In general, courses, credits and grades earned at the other University of Nebraska campuses will be accepted, computed in the student's GPA (Grade Point Average) and become a part of the permanent record sheet from which official transcripts will be made.

It is emphasized that even though courses, grades and credits will be freely transferred within the system, the individual College is the final authority on how these courses, grades and credits apply toward a particular degree.

B. Academic work submitted by students taken at Universities and Colleges outside the University of Nebraska system shall be required on official transcripts and will become a part of the student's permanent file in the Registrar's Office. Only courses (with grades of "C" or better) and credit hours which are accepted will be placed on the student's permanent record.

The student's permanent record at UNO will show only courses and hours accepted from any institutions formerly attended other than Nebraska, and these hours will not be computed in the student's GPA (Grade Point Average).

All inquiries and correspondence relating to the admission of students should be addressed to:

Director of Admissions
THE UNIVERSITY OF NEBRASKA AT OMAHA
P.O. Box 688 Downtown Station
Omaha, Nebraska 68101

This is an official bulletin of the University of Nebraska at Omaha, and students are responsible to be familiar with and to observe the policies, procedures and requirements which it contains.

ACADEMIC STANDING
COURSE CREDIT

Course credit is determined by the number of hours per week a class is in session, with some exceptions such as laboratory, physical education, band and choir. A course scheduled to meet three times per week for a semester merits, therefore, three semester hours credit.

STUDENT STUDY LOAD

1. A normal student load is 12-17 credit hour.

2. To be classified as a full-time student, the student must carry a minimum load of 12 credit hours.
3. A student shall not carry 18 or more semester hours of work unless he has maintained an average of “B” (3.0) in a regular 15-hour load during the preceding semester. Application for permission to register for 18 hours or more should be made first to the academic advisor and then to the academic Dean. In no case shall a student carry more than 21 hours in any one semester.

This regulation applies to total or equivalent credits for courses taken in some other institution, in night school, audit courses, non-credit courses, or certificate courses, in addition to credits obtained in residence.

4. Entering freshmen shall be limited to 16 hours except as otherwise required for a specific program, such as engineering and pre-medicine.

5. The credit hour load for which the student is registered at the end of the eleventh week shall be considered as his total credit hour load or total credit hours attempted for the semester.

CLASSIFICATION, GRADES, QUALITY POINTS, AND PROMOTION

A student's academic classification is determined by the number of semester hours of academic credit earned.

<table>
<thead>
<tr>
<th>Academic Classification</th>
<th>Range in Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0 through 26</td>
</tr>
<tr>
<td>Sophomore</td>
<td>27 through 57</td>
</tr>
<tr>
<td>Junior</td>
<td>58 through 90</td>
</tr>
<tr>
<td>Senior</td>
<td>91 through 124</td>
</tr>
</tbody>
</table>

Grades are determined by the daily record of the student and the record made on quizzes, mid-semester and semester examination. The weight attached to each of these factors is determined solely by the instructor of the course.

The grading system is as follows:

- Passing grades are A, B, C, and D, the last being the lowest, F indicates failure and results in loss of credit. Each hour of credit carries quality points computed according to the following schedule:

  - For each semester hour of A, 4 quality points
  - For each semester hour of B, 3 quality points
  - For each semester hour of C, 2 quality points
  - For each semester hour of D, 1 quality point
  - For each semester hour of F, 0 quality points
  - For each semester hour of I, 0 quality points

In addition to the above, other entries that may appear on a student's record are: “W” (withdrew), “AU” (auditor), “S” (satisfactory), “U” (unsatisfactory), “CR” (credit), “NC” (no credit), none of which carry any quality points, nor are they computed in the student's GPA. (However, hours in courses shown as “S” or “CR” may, in some instances, count toward degree requirements.)

INCOMPLETES

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

b. Each instructor will judge each situation. The instructor will 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 removal,
supervise the makeup work and report the permanent grade.

c. 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 will
supervise the removal of the Incomplete and turn in the permanent grade
for the student.

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

REMOVAL OF "D" OR "F" GRADES FROM GRADE POINT AVERAGE

A student may remove a "D" or "F" from computation in his GPA by repea-
ting the course. However, only the most recent grade (A, B, C, D, or F) received in
a given course will be used in computing a student's GPA if the student has completed
the course twice and received a grade below "C" on the first attempt.

If the student takes the course more than twice and has more than one grade of
"C" or above, only earlier grades of "D" and "F" in that course will be removed
from the computation of the GPA.

a. A student may remove from his GPA a course grade of "D" or "F" only if
the same course is repeated and a grade other than "I" (incomplete), "W"
(withdrew), "S" (satisfactory) or "CR" (credit) is received.

b. ALL courses and grades of any kind will continue to be a part of the
student's permanent (transcript) record.

c. This re-computation is not automatic. A student must request the
computation by contacting the Registrar's Office and filling out the
proper form. This should be done after the semester or summer session in
which the student has re-registered for the course has been completed.

To be eligible for a degree or an associate title, a student must present a
scholastic average of 2.0 grade average or better. In the case of transfer students
with 68 or more hours, a 2.0 grade average or better must also be achieved in work
taken at the University of Nebraska at Omaha.

All grades reported by the faculty to the Registrar at the end of each semester
become a part of the student's permanent record and are included in the
computation of his quality points earned and his grade point average.

CREDIT/NO-CREDIT PRIVILEGE

1. The primary objective of the Credit/No-Credit Privilege is to encourage a stu-
dent to attempt courses in areas he would normally avoid because of lack of
background. The Credit/No-Credit Privilege, therefore, extends the concept
of a liberal education.
2. Each college and department has the final authority in determining the extent of its participation in the program. The student should be made aware of the applicability of this program in the college from which he intends to receive his degree.

Rules Governing:

1. A maximum of 24 hours may be taken for university credit on a credit/no-credit basis. This privilege may be restricted by each department or college.

2. A student may register only once for a single course on credit/no-credit basis, except those courses that an academic department designates as repeatable.

3. Not more than two courses during a regular semester and not more than one course during a summer session may be taken on a credit/no-credit basis.

4. A grade of "credit" will count as a specified number of hours earned, but will not be included in determining the cumulative grade average.

5. A grade of "no-credit" will be recorded as such on a student's record, but will not be included in determining his cumulative grade average.

6. A student shall indicate that he is taking a course on a credit/no-credit basis at the time of registration.

7. A student may change from credit/no-credit to a graded basis prior to the deadline for adding a course and may change from a graded basis to credit/no-credit prior to the deadline for dropping a class.

8. Waiver of prerequisites for courses taken on a credit/no-credit basis shall be determined by the department offering the course.

9. The department and/or college offering the course will indicate in the class schedule whether the course may be taken on a CR/NC basis.

UNIVERSITY WITHDRAWAL

Students who have a need to drop all courses for any given semester must obtain a University withdrawal. Procedures are as follows:

(1) obtain withdrawal form from the Registrar's office;

(2) report to the Counseling Center for an exit interview;

(3) submit signed withdrawal form and identification card to the Office of the Registrar.

Failure to formally withdraw from the University immediately may affect grades as well as financial considerations where refunds are appropriate. Refunds
will be determined according to the official schedule found elsewhere in this catalog.

**DROP** — When a student finds it necessary to drop a course, he should see his advisor immediately. If a student drops out of a class during the first eleven weeks of a semester, his record will be marked “W”.

**A student may not drop a course with any grade other than “F” after the eleventh week of the semester.**

**EXAMINATIONS**

All examinations must be taken at the scheduled time; otherwise a late fee may be charged. Special examination fees may be found elsewhere in the catalog.

**ACADEMIC PROBATION**

Academic probation is a status invoked whenever the academic performance of the student gives indication that he has fallen below the rate of progress expected of his classification. It is a period during which the student is given an opportunity to determine for himself whether he should continue his present college program relatively unchanged. Whenever any student completes a semester with a cumulative grade average which falls below the standard for “normal progress” shown in the following table, he will be placed on academic probation by the Committee on Academic Standards.

<table>
<thead>
<tr>
<th>Hours Attempted</th>
<th>Accumulative Average (GPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-16</td>
<td>1.2</td>
</tr>
<tr>
<td>17-26</td>
<td>1.4</td>
</tr>
<tr>
<td>27-42</td>
<td>1.6</td>
</tr>
<tr>
<td>43-57</td>
<td>1.8</td>
</tr>
<tr>
<td>58 and over</td>
<td>2.0</td>
</tr>
</tbody>
</table>

To be restored to good standing, a student must raise his cumulative point average to the required minimum for his academic classification.

**ACADEMIC SUSPENSION**

For students failing to meet the requirements for restoration to good standing after one semester on probation, extension of probation or suspension shall be by action of the Committee on Academic Standards.

Application for reinstatement of suspended students from this University or admission of students suspended from any other university or college shall be submitted to the Director of Admissions on the form selected by that official at least one month prior to the official beginning of the semester or term for which he is applying (refer to academic calendar).

Applications which have been approved by the appropriate academic Dean are submitted to the Committee on Academic Standards for final action.

The Committee on Academic Standards denies admission to any suspended
student who has been out of school less than one calendar year. Credit hours earned while under academic suspension from any other college or university will not be accepted by the University of Nebraska at Omaha.

CLASS ATTENDANCE

Classes are conducted on the premise that regular attendance is desirable. The individual instructor has 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 instructors, and the student should consult with them accordingly. If a student anticipates absence for an extended period, the student should promptly notify instructors and be prepared to document the reason for extended absences.

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

Should there be cause on the part of the individuals involved to feel that the reasons for absence were not considered with equity, a decision with punitive consequences may be appealed. The appeals procedure is the same as that provided for in each collegial unit for other academic, classroom-related items (grades, cheating, etc.) involving the student submitting the justification for the appeal in writing to the department chairman and, if unsatisfactory, to the collegial dean. The final step in the appeals process rests with the student submitting a written statement requesting the consideration of the respective dean's advisory council, indicating the specific nature of the appeal to be considered. The advisory council's recommendation to the respective dean will be the last step for the student, and the dean's decision will constitute the final determination for the University.

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

GENERAL ACADEMIC REGULATIONS

The Academic Year — Two semesters of approximately 15 weeks each constitute the academic year. The unit of instruction is the semester hour, which signifies one recitation a week throughout the semester, or equivalent.

Late Registration — Registration in any course for credit toward any degree, or any change of registration involving the addition of a course, is not permitted after the end of the first week of any semester or after the end of the second day of the summer session.

Credit — No more credit than the amount stated in the catalog is permitted in any course. To receive credit all work must be done under the supervision of a member of the faculty.

Audit Students — A student may audit a regular credit course with the consent
of his Dean. An audit student may not participate in recitation, turn in papers, nor take examinations. He does not receive academic credit. An audit student may not change to credit registration after the first week of a course. (A credit student may change to audit registration during the first eleven weeks of a semester, or during the first half of the class if it runs longer or shorter than a semester.)

Examinations — During the semester, examinations and quizzes are arranged by the faculty. Progress reports of all grades for Freshmen students and grades below “C” for all other undergraduates are mailed to students after the eighth week of each semester.

Students who are on scholarships or who wish to be eligible for activities must make up incomplete grades within two weeks of the last final examination. Unless these are made up, the student cannot be certified as being eligible.

Midterm Grades — At midterm, grades for those students who are not doing satisfactory work (“D” or “F” grades) are reported by instructors to the Registrar’s Office. These grade reports are sent to the students involved so that they are aware of their class standing before the deadline for dropping courses.

GRADUATION

APPLICATION FOR DEGREES — Application for all degrees must be filed in the Office of the Registrar early in the semester and not later than the date listed in the University Calendar.

ATTENDANCE AT COMMENCEMENT — Candidates for degrees who attend the commencement exercise should wear an academic cap and gown. The fee for Graduation is $3.00. Anyone finding it necessary to have his degree conferred in absentia must pay an additional fee of $2.00.

CANDIDACY FOR A SECOND BACCALAUREATE Degree — A student who has met the requirements for a baccalaureate degree must complete a minimum of 30 additional semester hours at the University of Nebraska at Omaha for a second baccalaureate degree. A plan of study for the additional hours, approved by the department head primarily concerned, must be filed in the Office of the Dean of the College offering the degree by the completion of the fifteenth additional hour. Two baccalaureate degrees may be awarded simultaneously when the student becomes eligible to receive them.

UNIVERSITY CREDIT COURSES

All credit courses offered by the University may be applied toward any degree or certificate granted, except as stated under each department.

All courses offered for credit, whether scheduled for the regular academic year, the evening classes, or summer sessions, are listed by departments. General introductory courses are listed first.

The system of course numbers is arranged to indicate the level of instruction. The first figure in each number designates the group to which a course belongs:

100-99 — Courses open primarily to freshmen
200-99 — Courses open primarily to sophomores
300-99 — Courses open primarily to juniors
400-99 — Courses open primarily to seniors
800 — Courses open only to graduate students

Registration in courses more than one group removed from a student’s class standing is permitted only in music, speech, mathematics, physical education, and beginning foreign languages, except in special cases by permission of the Deans of the Colleges.

DEGREES WITH HONORS

The Baccalaureate Degrees with honors are awarded as follows:
(a) to all graduates whose scholastic average for their entire university career is 3.51 or above, but below 3.63; the degree *cum laude*;
(b) to all graduates whose scholastic average for their entire university career is 3.63 or above, but below 3.87; the degree *magna cum laude*.
(c) to all graduates whose scholastic average for their entire university career is 3.87 or above; the degree *summa cum laude*.

To qualify for honors, a student must have earned at least sixty semester hours within the University of Nebraska system, thirty hours of which must be completed at the University of Nebraska at Omaha and in which letter grades of A, B, C, or D are received.

In order to qualify for degrees with honors, transfer students must achieve the required quality point average, not only for all University of Nebraska at Omaha courses, but also for all courses taken at other colleges and universities.

THE STATUTORY REQUIREMENTS FOR RESIDENCY

A student’s right to classification as a resident for purposes of registration in a state educational institution must be determined under the provisions of Nebraska Revised Statutes of 1943, Sec. 85-502.

Any student who has been classified as a non-resident who believes she/he could have qualified as a resident preceding the first day of the term should read the statutes and file a residency classification form BEFORE THE END OF THE NINTH WEEK of the term for which the tuition fee was charged. For summer sessions, the deadline is the END OF THE THIRD WEEK.

Each semester, as you complete your registration, you will be required to certify to the accuracy of the personal information asked on the registration form including your resident or non-resident status.

Usually you are a non-resident if any of the following is true:
a. Your first enrollment was as non-resident.
b. You are not of legal age (19) and your parents reside in another state.
c. You or your father entered the Armed Forces from a state other than Nebraska.
d. After graduating from a Nebraska high school, you lived and worked outside the state prior to enrolling for the fall semester.
e. For any portion of the year immediately prior to the beginning of the semester or session, you paid Nebraska income taxes from other than a
Nebraska address, or paid income taxes to another state from a Nebraska residence.

f. You are an alien lacking the "first naturalization papers."

Excerpts from Statutes of Nebraska: As Amended by L.B. 399, 1973.

Section 85-502. State educational institution; non-resident fee. All state educational institutions shall charge a non-resident fee to each non-resident of Nebraska who shall matriculate at any such institution, and the governing board of each institution is empowered to fix such fee and to collect same.

Section 85-502. A person shall not be deemed to have established a domicile in this state, for the purpose of sections 85-501 to 85-504, unless:

1) Such person is of legal age and shall have established a home in Nebraska where he is habitually present, with the intention of making this state his permanent residence;

2) The parents, parent, or guardian having custody of a minor registering in a state educational institution shall have established a home in Nebraska where such parents, parent, or guardian is habitually present with the intention of such parents, parent, or guardian to make this state their, his, or her permanent residence; Provided that if a person has matriculated in a state educational institution while his parents had an established domicile in this state, and the parents leave the state, such person shall not lose his domiciliary status by reason of such parents, parent, or guardian having ceased to reside in this state if such person has the intention to make this state his permanent residence;

3) An emancipated minor, who shall have established a home in Nebraska where he is habitually present with the intention of making this state his permanent residence, and shall not have lived with nor been supported by his parents, or either of them, for two years or more prior to such registration;

4) Such person is a non-resident of this state prior to marriage, and marries a person who has established a home in Nebraska where he is habitually present with the intention of making this state his permanent residence;

5) Such person if an alien, shall have begun processing his United States naturalization papers, and shall have established a home in Nebraska where he is habitually present with the intention to make this state his permanent residence.

6) Such person is a dependent of a staff member of the University of Nebraska or one of the Nebraska state colleges who joins the staff immediately prior to the beginning of a term from an out-of-state location; or

7) Such person is on active duty with the armed services of the United States and has been assigned a permanent duty station in Nebraska, or is a legal dependent of a person on active duty with the armed services of the United States assigned a permanent duty station in Nebraska.

Section 85-502.01. Emancipated minors, students of legal age, and students not in the custody of parents, parent, or guardian shall not be deemed to have established a home in Nebraska where he is habitually present unless he shall execute an Affidavit of Intent that the State of Nebraska is his permanent residence and has been his permanent residence for one year immediately prior to the execution of the Affidavit of Intent, and he shall:

1) Have been registered to and be eligible for voting in Nebraska state elections; and

2) Have continually for one year immediately prior to the beginning of the semester or summer session for which the student is enrolling:

(a) Paid applicable Nebraska sales and Nebraska income tax as a Nebraska resident; and
(b) Registered and had assessed for applicable taxation in Nebraska, all personal property requiring registration, as may be owned by such person; or

(3) Own a home in Nebraska in which such person is residing, or have executed a contract to purchase and be making payments on a home in Nebraska in which such person is residing.

Section 85-502.02. The provisions of this act shall apply to enrollment of students after August 31, 1972.

That original section 85-502, Reissue Revised Statutes of Nebraska, 1943, is repealed.

TUITION, FEES, DEPOSITS AND REFUNDS

The University reserves the right to change the amount of tuition or fees at any time, and to assess charges for breakage, lost property, fines, penalties, parking, books, supplies, food, or special services not listed in this schedule.

Tuition and related fees are payable in full at the time of registration, or in accordance with delayed billing schedules. Students availing themselves of the delayed billing option must familiarize themselves with the due dates, as publicized. Note! Failure to receive the mailed billing notice will not excuse the student from payment responsibility, nor the late payment penalties. Students in need of financial aid must consult the Student Financial Aids Officer in Administration Room 183. Application for financial aid should be made at the earliest possible time.

Registration is not complete until cleared by the Cashier. Failure to pay tuition or fees when due, or to meet payments on loans when due, may result in cancellation of registration, legal collection efforts, or both.

Application Fee (Undergraduate):

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

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

Matriculation Fee (Graduate College):

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

Tuition:

- Per Semester Credit Hour, Undergraduate or Graduate
  - Resident of Nebraska (see residency statute) .................. $18.00
  - Non-Resident ............................................. $48.25

Audit Fee:

The Audit (not for credit) fee is set at one-half of the Resident tuition rate. Registration for audit requires the permission of the instructor and is subject to available class space after credit registration ends. Students who register to take a course for credit and who later change to audit registration will be required to pay the full resident or non-resident tuition rate.
Orientation Fee (Undergraduate):
Payable upon enrollment by all new and transfer undergraduate students .......................................................... $ 7.00

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

One semester credit hour ................................................. $55.00
Two semester credit hours .............................................. $75.00
Three semester credit hours ......................................... $95.00
Non-credit, 8 lessons .................................................. $45.00
Non-credit, 16 lessons ................................................ $65.00
TV Classroom (3 credit hours and materials) ..................... $75.00
Conference, non-credit, and off-campus contract course fees are determined for each offering based upon the cost factors and peculiar circumstances involved.

University Program and Facilities Fee (UPFF)
Full-time students (12 credit hours or more) per semester .... $30.00
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 students who complete registration for both sessions at the initial registration period will be assessed the fee 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 Commission. An Allocations Board comprised of students, faculty and staff recommends disbursements of this fund 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 expense, 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 his plans 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

Initial application ...................................................... $25.00
Attainment of 300 credit units (additional) ...................... $25.00
Attainment of 600 credit units (additional) ...................... $25.00
Attainment of 900 credit units (additional) ...................... $25.00
Attainment of 1200 credit units (additional) ..................... $25.00
Deferred Tuition Payments  
(if 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) .........................
Graduation Fee .................................................................................................... $ 3.00
Degree in Absentia (payable in addition to graduation fee) ............................. $ 2.00
Bad Check — per check ..................................................................................... $ 3.00
Dishonored 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 file for re-registrant making the file readily available for office use or mailing to prospective employers. The registration fee is required of all graduates preparing for teacher certification.

Vacancy Bulletin Fee & Postage Cost  
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
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 date for on-campus registration for that term.

ROTC Uniform Deposit — Refundable ............................................................... $15.00

Testing Fees:

Credit by examination — per course ................................................................. $25.00
American College Testing (ACT) — on National dates ................................ $ 6.50
ACT Residual charge .......................................................... $10.50
Anyone interested in testing for credit by examination should contact the Counseling and Testing Office, Room 213, Administration Building.
Counseling and Testing:
Generally, no fees are charged to UNO students for this service.

Refund Schedule:
Refunds are computed from the date application is received by the Registrar. NOT from date of withdrawal from classes. Refund slips issued by the Registrar and given to students are void and not redeemable, unless presented to the Cashier (Room Adm. 150) within 30 days after date of issue. See policy entitled “Withdrawal from Classes”.

Students paying tuition and fees on a deferred payment basis or under any other loan granted by the University, who withdraw before the account is paid in full are **not relieved from payment of the balance due.** Refunds will first be applied to unpaid balances, and any remaining balance must be paid. Refunds for withdrawals are figured from the official beginning of the semester as stated in the University's academic calendar, not from the beginning of students' individual class schedules.

<table>
<thead>
<tr>
<th>Regular Semester</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before first official day of the semester</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal before 2 weeks elapsed</td>
<td>75%</td>
</tr>
<tr>
<td>Withdrawal before 3 weeks elapsed</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal before 5 weeks elapsed</td>
<td>20%</td>
</tr>
<tr>
<td>Withdrawal after 5 weeks elapsed</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer Sessions (5 Week Sessions)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before first official day of each session</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal during first three days</td>
<td>75%</td>
</tr>
<tr>
<td>Withdrawal during remainder of the first week</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal during second week</td>
<td>20%</td>
</tr>
<tr>
<td>Withdrawal after second week</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Courses (8 Week Session)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Evening, Summer or Special Contract</td>
<td></td>
</tr>
<tr>
<td>Withdrawal before first official day of each session</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal before first week elapsed</td>
<td>75%</td>
</tr>
<tr>
<td>Withdrawal before 2 weeks elapsed</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal before 3 weeks elapsed</td>
<td>20%</td>
</tr>
<tr>
<td>Withdrawal after 3 weeks elapsed</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-Credit and Special Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(10 Weeks or More)</td>
<td></td>
</tr>
<tr>
<td>Withdrawal before classes start</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal before first week elapsed</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal before 2 weeks elapsed</td>
<td>20%</td>
</tr>
<tr>
<td>Withdrawal after 2 weeks elapsed</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(Less than 10 Weeks)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before classes start</td>
<td>100%</td>
</tr>
</tbody>
</table>
Withdrawal before second class ........................................ 50%
Withdrawal after second class ......................................... 0%

ORIENTATION

Orientation at UNO is a comprehensive program of learning about the University and its programs and services as well as assistance in academic planning and registration. The program is designed to assist students in the transition between high school (or another college or previous endeavor) and UNO. Through the orientation program, students gain a sense of identity with UNO and become members of the UNO community.

The program is at least one day in length (frequently an evening and a day), during which time students meet in small groups to evaluate previous academic work and discuss their educational plans and their anxieties. New students have an opportunity to meet with representatives of the college in which they are enrolling. Student services and organizations are explained. A specific one-semester schedule is developed, and a tentative four-semester plan is designed. With the exception of faculty advisor assistance with scheduling, the entire program is designed and operated by student personnel.

A $7.00 fee is required to finance the cost of personnel and personalized material given to each new student. Detailed information is available from the Orientation Office, Milo Bail Student Center.

THE CAREER DEVELOPMENT AND PLACEMENT CENTER
Administration Building Room 238

The services of the Career Development and Placement Center are designed to assist students in finding full-time employment and to aid students in identifying or clarifying their career objectives.

Counselors are available to work with students individually as they seek to solidify their career objectives. Career literature on a wide variety of fields and personal guidance sessions are provided to enable students to make thoughtful and realistic decisions as to their professional goals.

All seniors are invited to register with the Career Development and Placement Center early in their senior year by completing a Personal Data Sheet. Representatives from business, industry, and state and federal government visit the campus to interview senior candidates. The College Placement Annual, supplied to all registered seniors without charge, is a valuable directory of organizations having positions available for college graduates.

Teacher credentials are prepared and maintained for all graduates completing requirements for certification.

An active effort is made to obtain positions for all registered candidates, but employment cannot be guaranteed.

COUNSELING AND TESTING CENTER

There are a variety of services offered by the Counseling and Testing Center. The Center is located in the Administration Building, Room 213. The services are available to all students, faculty and staff without charge. The Center provides a setting in which a student can talk about anything he wishes in private with a counselor.
It is the aim of the Counseling Center to have someone available to whom students can bring any concern which they want to talk about. The services are available to all UNO students.

Counseling

Counseling services are provided to assist UNO students in their intellectual, emotional, and social development. Students may come to the Counseling Center to talk with a professionally trained counselor anytime it is convenient for them. The staff believes that classes and studies are not an isolated part of a student’s life. The educational experience is greatly influenced by the problems and concerns of everyday living. The staff wants to help the student meet these situations in ways which allow him to gain the full benefits of his educational experience. Concerns about school, friends, financial worries, family problems, and vocational indecision are some of the things that are often discussed with a counselor. The student can expect that his privacy will be respected; whatever is discussed with a counselor will be held in confidence.

The main concern of the Counseling Center is the individual student. We try to help a student better understand himself in relation to the world he lives in. Students can learn to make more realistic decisions, increase their self-reliance, and discuss the things which concern them in a free, relaxed atmosphere. This experience results in the student knowing himself better, becoming more comfortable with himself, and being more effective in the total life experience.

Personal Growth groups are available in which 8 to 10 students and a counselor share their feelings with one another, discuss common concerns, get honest feedback about how they come across to others, and try out new behavior in the safety of the group.

There are Encounter groups, Gestalt groups, and groups specifically for women (awareness, encounter and therapy). For more information, come to the Counseling Center.

Referral to other helpful sources is provided. Quite frequently students are unsure of where to turn for assistance in specific problems. The Counseling and Testing Center can act as a referral source to other services such as the Reading Clinic, Student Financial Aid, and others which might help the student if he is aware of their availability. Contact with referral sources outside the University is also maintained for those students who might profit from them. Thus, if a student does not know exactly where to go for some special assistance, the Counseling and Testing Center can supply him with relevant information.

Groups for faculty are offered to provide an opportunity to develop and improve communication for more effective teaching.

Vocational and Educational Guidance Test Battery

The University believes that academic programs can be most efficiently planned in terms of the interests, aptitudes, and objectives of the individual student; therefore, an extensive testing system has been developed.

While there is no one test or group of tests which will magically reveal exactly the occupation for which one is best suited, a battery of psychological tests may be helpful to clarify interests and to indicate aptitudes for certain broad fields of work. The vocational test battery offered by the Counseling and Testing Center includes tests of five major types — intelligence, interest, achievement, aptitude, and personality — on the belief that each of these factors is significant in understanding oneself and in making educational and vocational plans.
Any student may avail himself of the opportunity to take these tests at no cost. Prospective students may take the battery of tests on a fee basis. Professional counselors in the Counseling and Testing Center are available to all students for explanation and interpretation of these tests.

Occupational and educational information is available at the Counseling Center. The student has access to such information as educational opportunities in various fields; opportunities, trends, and qualifications for various careers; and training opportunities in many fields. Information of an academic, social, and personal nature is also available.

TESTING

Advanced Placement Program with High Schools

The Advanced Placement Program is based on the belief that many students are capable of completing college level courses while still in high school. With this belief in mind, the College Entrance Examination Board assists high schools in planning such courses and provides examinations for them. Scores from these examinations may be forwarded to the university or college which the student wishes to enter.

Upon recommendation of the appropriate Department Chairman, the Curriculum Committee of the College of Arts and Sciences may grant exemptions from the 125-hour requirement for graduation to a maximum of twenty-four hours provided that the student has achieved satisfactory scores on the Advanced Placement Examinations of the College Entrance Examination Board or shows other evidence of advanced work.

Any student wishing to ask for such consideration by the appropriate department head should contact the Dean’s office of the College of Arts and Sciences.

Advanced Placement within a Department

The English and Mathematics departments offer the opportunity for advanced placement in courses within their respective departments. For additional information, contact the Counseling and Testing Center, Room 213, Administration Building.

Examinations for Admission to Graduate or Professional Schools

The Counseling and Testing Center also administers special examinations required of those wishing to enter professional or graduate school. The following are among those types of examinations which are administered in the Center: Graduate Record Examination, Miller Analogies Test, Admission Test for Graduate Study in Business, and the Law School Admission Test, etc.

Individuals wishing to take any of these examinations may contact the Counseling and Testing Center for information and applications.

CREDIT BY EXAMINATION AT UNO

Every student registered at UNO has the option of attempting credit by examination in any course in which he feels he has competency and which has been approved for credit by examination by a specific department. Up to 30 hours of credit towards a bachelor’s degree may be earned by examination.

Any course at the University may be challenged.

The following courses have been approved for credit by examination and are administered by the Counseling and Testing Office:
<table>
<thead>
<tr>
<th>Dept.</th>
<th>No.</th>
<th>Hrs.</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>201</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>202</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>111</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>112</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>111</td>
<td>3</td>
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<tr>
<td>History</td>
<td>112</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>101</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>213</td>
<td>3</td>
<td></td>
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<tr>
<td>Psychology</td>
<td>351</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>431</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>102</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>145</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>175</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>118+L</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>119</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>117</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>121</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>122</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>101</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>213</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Gen. Mathematics</td>
<td>-</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Gen. Humanities</td>
<td>-</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Gen. Natl. Science</td>
<td>-</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Gen. Social Science</td>
<td>-</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

If you are interested in credit by examination, in a specific course, follow one of the following two directions:

1. If the course in which you are interested in earning credit by examination appears in the above list, contact the Counseling and Testing Center (213 Administration Building).

2. If the course in which you are interested in earning credit by examination does not appear in the above list, contact the department that offers the course (e.g., If you wish to attempt credit in a foreign language, contact the language department).

The following statements relate to current University policy concerning placement and credit by examination.

1. Examinations may be offered for placement, examination, and/or credit, at the discretion of the department or departments concerned.

2. A student may obtain up to a maximum of six hours of examination credit in divisional survey courses. Eligibility for credit by examination in divisional survey areas will be reduced by the amount of any academic credit earned in that area.

3. Thirty hours is the maximum number of credits that may be earned by examination.

4. The University will accept credit earned by departmental examination at other accredited institutions of higher learning, but in no case will it accept more than the maximum number of thirty hours set out in item 3, above. The University will not accept examination credits from an agency which is not a fully accredited institution of higher learning. All credit by examination administered by agencies or institutions other than U.N.O.
must be applied for within the first year of enrollment at this university and is subject to re-evaluation by the University.

5. Credit earned by examination may not constitute any part of the terminal residency requirements. *Credit will not be granted as substitute credit for college courses which have been failed at university level. Neither will it be granted to raise a grade earned in any course.

(*See residency requirements in this catalog.)

6. Examinations for credit or placement may not be repeated unless a five year period has elapsed. Credit by examination may not be earned in any course taken on an audit basis after September 1, 1972.

7. A reasonable fee* will be charged to administer and/or evaluate an examination for credit or placement. The credit earned by examination will be recorded as “CR” on the transcripts, and this credit will not be used in calculating grade point average.

(*See fee schedule in this catalog.)

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

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

(1) Determination of whether or not placement or examination credit should be offered in their areas.

(2) Selection or preparation of examinations to be given for placement or examination credit.

(3) Determination of the level of proficiency required for earning placement or examination credit.

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

For further information concerning the granting of placement or credit by examination, contact the appropriate department or the Counseling and Testing Center, Room 213, Administration Building.

STUDENT HEALTH SERVICES

Student Health service is available to all students for preliminary diagnosis and initial treatment of any minor illness or injury and counseling on health affairs. The Student Health physician is available from 8-9 a.m. on Monday through Friday, and the Student Health nurse is available from 8 a.m. - 9 p.m., Monday through Friday and Saturday from 8 a.m. - 1 p.m.

OFFICE OF MINORITY AFFAIRS

The Office of Minority Affairs was established in the fall of 1973 to provide assistance to the American Indian, Black, Chicano, and physically handicapped student populations at UNO. The office acts as a referral agent to minority students and community members seeking services at UNO and in the city of Omaha. The American Indian Student Advisor is located in the office. Advisement is also given to other minority students. The office collects and dispenses information necessary in the coordination of activities involved with the students and with the special interest groups organized to serve them. It works with other offices and
departments in the Division of Educational and Student Services to minimize the difficulties minority students encounter during their learning experiences at UNO. The Office of Minority Affairs is located in Room 272 of the Administration Building.

**RADIO-TELEVISION**

The University of Nebraska at Omaha has a long-standing record of excellence in the development of educational broadcasting. As early as 1952, the University developed TV CLASSROOM, a "pioneer program" in education by television and a continuing cooperative project with KMTV, Omaha commercial Channel 3.

The University houses KYNE-TV, educational Channel 26, which affords extensive color studio and equipment capability. With KVNO, FM stereo, the UNO broadcast student has both course and part-time work opportunities to gain hands-on TV and radio experience.

More than fifty class and assembly rooms are wired to the University multi-channel TV closed circuit. The CCTV system is used extensively for feeding both information and university level ITV throughout the campus.

Further information regarding broadcast work-study opportunities may be obtained from Director Radio-TV, Room 222, Engineering.

**STUDENT FINANCIAL AID**

College Work-Study, Educational Opportunity Grants, National Direct Students Loans, University Tuition Waivers, and University Tuition Grants are forms of financial aid that undergraduate students can be considered for on the basis of need. Transfer students and non-resident students will be considered after resident students if adequate funds are available. Graduate students are eligible to apply for Graduate Tuition Waivers and National Direct Student Loans.

In order to apply for any of the above, the student must complete an application for financial aid and a need analysis application for College Scholarship Service making sure all forms are on file with the UNO Office of Financial Aid by the deadlines listed on the University calendar (see page 4). Either the Parents’ Confidential Statement or the Student Financial Statement must be sent to the appropriate College Scholarship Service office at least one month prior to that deadline.

Special Law Enforcement Education Program (LEEP) loans are available for full-time law enforcement majors. These loans require a separate application which should be obtained from the Financial Aid Office at least three months prior to the semester for which these funds are requested.

Deferred Payment plans are also available on the basis of need. Deferred Payment plans are obtained at the Office of Financial Aid at the time of registration.

Questions on any of the above or requests for application forms should be directed to:

Director of Financial Aid
THE UNIVERSITY OF NEBRASKA AT OMAHA
P.O. BOX 688
OMAHA, NEBRASKA 68101
SCHOLARSHIPS, AWARDS AND LOANS

GENERAL INFORMATION

Students who are children of veterans who died or were totally disabled as a result of service in World War I, World War II, or the Korean conflict should contact the Director of Veterans Affairs, State Capitol Building, to determine their eligibility for free tuition under the laws of the State of Nebraska.

Students from foreign countries and students who are non-residents of the State of Nebraska are usually not eligible for scholarships, fellowships, or grants during their first year on the campus.

REGENTS’ SCHOLARSHIPS

The Regents of the University have provided two hundred Regents’ Scholarships which are awarded on the basis of competitive examinations to high school graduates. These scholarships provide the remission of resident tuition for the freshman year, and are renewable upon maintenance of a superior grade record. Information concerning these scholarships may be obtained through your local high school.

UNIVERSITY HONOR SCHOLARSHIPS

There are thirty-six University Honor Scholarships available to sophomores, juniors and seniors. These scholarships are awarded strictly on the basis of scholastic achievement (no application is necessary). These scholarships provide the remission of resident tuition.

UNIVERSITY TUITION GRANTS

A limited number of University Tuition Grants are available to regularly enrolled resident students at the University. The purpose of this grant is to give financial assistance to students who have indicated by previous academic performance that they can profit by a college education but need some financial assistance in order to continue their program of study. Applications can be obtained from the Office of Financial Aid.

AIR FORCE ROTC COLLEGE SCHOLARSHIP PROGRAM

A number of Air Force ROTC College Scholarships are available to both male and female cadets enrolled in the AFROTC program. These scholarships cover full tuition, laboratory expenses, incidental fees, and an allowance for books. Scholarship cadets also receive $100 each month in non-taxable allowances. For complete information on the AFROTC program and these scholarships contact the Professor of Aerospace Studies (PAS).

OTHER SCHOLARSHIPS, GRANTS, AND AWARDS

There are a number of other scholarships and awards which have been made available by the University, organizations, and individuals. Since conditions governing each scholarship or award vary, students interested should inquire at the Office of Financial Aid in Room 183, Administration Building, for information.

FOR ENTERING FRESHMEN

Ak-Sar-Ben
Blumkin Foundation
Frederick W. and Frederick V. Kayser
Hinky-Dinky
Omaha Firemans Benefit
Regents

FOR SOPHOMORES AND JUNIORS
Building Owners and Managers Association Award (Real Estate, Junior)
George B. Lake Memorial Awards (American History)
Omaha Real Estate Board Scholarship (Junior)

FOR JUNIORS AND SENIORS
A. A. Allwine Scholarship in Real Estate
Alumni Liberal Arts Award
American Society of Insurance Management
Fred J. Armbrust Scholarship
Associated Nebraska Industrial Editors (Journalism)
Building Owners and Managers Association of Omaha Real Estate Law Award
American Society of Insurance Management
Harry A. Burke Memorial Scholarship
Data Processing Management Scholarship (Business)
Distributive Education Clubs of America
Eastern Nebraska Chapter No. 111, Society of Residential Appraisers Real Estate Award in Urban Land Uses (Senior)
Estate Appraisers Scholarship (Senior)
Gilbert M. Hitchcock Scholarship (Physical Science)
Iota Nu Sigma (Insurance)
Wilbur R. Irwin (Accounting)
Jenkins Memorial Scholarship, University Alumni Association (Senior)
J. H. Kenney Company
Peter Kiewit Civil Engineering Scholarship
Peter Kiewit General Engineering Scholarship
Robert H. Kooper Scholarship in Business
Glenn L. Martin Scholarship
National Secretaries Association Scholarships
Nebraska Chapter No. 23 of the American Institute of Real Estate Appraisers Scholarship (Senior)
Nebraska Mortgage Bankers Real Estate Finance Scholarship
Nebraska Real Estate Association Scholarship (Senior)
Nebraska Society of Certified Public Accountants Scholarship (Senior)
Omaha Association of Insurance Agents
Omaha Chapter No. 12 of the Institute of Real Estate Management Scholarship (Junior)
Omaha Civic Music Association
Omaha Real Estate Board Scholarship
Paisley Family Scholarship
Stanton Salisbury Memorial Scholarship
Walter H. Panko, Jr., Memorial Scholarship of Omaha Press Club (Journalism)
Wilfred Payne Scholarship
Pen and Sword Scholarship
Martin M. Stabenberg Memorial Scholarship (Real Estate)
United-Mutual of Omaha Scholarship (Real Estate)
University of Omaha Law Scholarship
Urban Land Uses Award
U.S. Office of Education, Traineeships in Special Education
General Albert C. Wedemeyer Scholarship (Political Science)
Western Electric Fund
Women's Physical Education Award
Zeta Delta Chapter, Chi Omega (Social Science, Senior Women)

FOR ALL CLASSES
American G.I. Forum Auxiliary
Milo Bail Physics
Arthur Brandeis Scholarships in Retailing
Brewer-Nelson Memorial Scholarship
Wannette Bush-Jeffers Memorial
Kevin O'Conner Scholarship
Cagle Forensics
Paul T. Crossman Memorial Scholarship
Delta Sigma Pi Award
James A. Douglas Scholarship
Fraternal Order of Eagles
Friends of Music
Eileen Gorr Memorial (Education)
Rowland Haynes Memorial Scholarship
Hinky-Dinky Scholarships in Food Distribution
International Brotherhood of Electrical Workers
John Fitzgerald Kennedy Memorial Scholarship
Pat Kennedy Memorial Scholarship
Peter Kiewit Engineering Scholarship
N. Murray Longworth Memorial Scholarship
Mengedoht-Hatz Scholarship (Art)
Emma S. Metz Music Scholarship
Omaha World-Herald Scholarship
Louis I. Pentzien Engineering Scholarship
Presser Foundation (Music)
Priesman Graphics (Journalism)
Morton A. Richards Scholarship
W. H. Schmoller Music Award
Sylvia Siporin Memorial Scholarship
Society of American Military Engineers
Mary R. Stoddard Scholarship
Fannie D. Wakely (Humanities)

STUDENT TUITION LOAN FUNDS

Limited loans are available from the Altrusa Club, Alumni Association, Administrative Management Society Loan Fund, the Lions Club, Ak-Sar-Ben, Faye L. Hickey, Insurance Women of Omaha, the Alpha Kappa Delta, Sigma Gamma Rho, Phi Delta Gamma (Graduate Women), and the National Defense Education Act of 1958. Information regarding loans may be obtained from the Director of Financial Aid, Room 183, Administration Building.
STUDENT EMPLOYMENT

All students desiring employment should register in the Office of Financial Aids, Adm. 183. The Office of Financial Aids assists students in obtaining full-time, part-time or summer jobs.

INTRAMURALS FOR MEN AND WOMEN

"A sport for everyone and everyone in a sport."

Intramural activities are offered for both men and women, giving students an opportunity for fun, relaxation, and physical development. To be eligible, a student must be registered for at least six hours. The program of sports makes it possible for students to play games in which they are interested. Men’s intramural sports are archery, cross country, flag football, volleyball, basketball, bowling, swimming, billiards, curling, wrestling, tennis, table tennis, track, softball, golf, and badminton. Women’s sports include volleyball, softball, tennis, table tennis, golf, mixed volleyball, archery, basketball, track and field, riflery, bowling, orchestra, and badminton.

MILO BAIL STUDENT CENTER

The Student Center is a “facility” with recreational areas, bookstore, lounges, formal and informal meeting rooms, eating areas, record shop, vending areas, and typing room, as well as a “program” — a supplement to the classroom experience with planned social, cultural, and educational programs. The Center also serves as a focal point for students, faculty, and staff to exchange views and share ideas.

Bookstore. Textbooks and supplies necessary for classes taught at the University of Nebraska at Omaha are sold in the bookstore to University of Nebraska at Omaha students, faculty, and staff only. Clerks may require identification cards at any time, and the bookstore manager may refuse to sell merchandise which he has reason to believe is going to nonstudents or nonfaculty or non-staff members of the University of Nebraska at Omaha.

Bookstore purchases may be charged to your Master Charge or BankAmericard account or paid on a cash basis. Charge authorizations for books sold to students through scholarship and government agency funds must originate with the University Cashier.

Food Service. The purpose of the University food service is to provide wholesome, nutritious food to the members of the University community at the lowest possible cost.

There are two cafeterias, a snack bar, dining rooms, and a vending area available for use five days a week.

The University food service is not a public eating establishment. Food service is maintained for students, faculty, staff and persons academically related to or affiliated with the University of Nebraska at Omaha. Students, faculty, and staff may bring guests occasionally, but the practice is not encouraged. ID cards may be checked periodically by supervisors and cashiers.

All food is dispensed on a strictly cash basis. No one may defer payment for meals.

In accordance with the Environmental Health Code of the University of Nebraska system, all food sold or served on campus must be furnished, prepared and handled by the University food service department.
STUDENT ACTIVITIES

The University recognizes the value of a well-rounded program for student development and encourages students to participate in co-curricular activities. Each student is urged to carefully consider the opportunities available and then participate in those programs and activities of interest. General categories include student government, fraternities and sororities, special interest clubs, students publications, intramurals, informal recreational activities, and intercollegiate activities. A more complete description of these opportunities can be found in the UNO Student Handbook.

Professional staff members, along with student government leaders, are located in the Milo Bail Student Center to provide specific information, printed material, and personal advice about the variety of opportunities that are available to students, faculty, and staff.

To participate in any activity in which a student appears as a representative of the University or of any organization funded by University fees, that student must be in good standing as defined by University regulations; i.e., not on academic or disciplinary probation.

Regulations governing participation in the Student Senate and eligibility for election to a student government position are listed in the UNO Student Handbook.

IDENTIFICATION CARD

Each student who enrolls in twelve or more credit hours is required to pay a $30.00 "University Program and Facilities Fee" per semester. Payment of this fee entitles the student to an identification card, which should be carried at all times. This card admits the student, without further charge, to most University activities, athletic events, and social affairs which receive support from the proceeds of this fee. It also entitles the student to receive, without further charge, all student publications (except the Grain of Sand) issued during the year. Any student carrying fewer than twelve credit hours will pay a $15.00 University Program and Facilities Fee per semester.

The ID card serves as identification for service in the food service, Student Center, bookstore, and library. A student may be required to show his or her identification card before being served in any of these facilities.

The ID card is given to the student at the time of registration or on payment of tuition and fees, and it is not valid until signed by the Financial Officer. ID cards are nontransferable, and use by anyone other than the student to whom the card is issued is subject to disciplinary action. Lost cards may be replaced by contacting the Information Desk in the Milo Bail Student Center. A charge of $1.00 will be made for duplicate cards. When a student is suspended or withdraws from all classes, he or she must surrender the identification card.

ORGANIZATIONS

Governing Bodies
Student Government Association
Student Program Organization
Panhellenic Council
Interfraternity Council
Scholastic Honor Societies
Alpha Lambda Delta (freshman women), founded at the University of Illinois, 1924
Alpha Phi Sigma (junior and senior men and women, Department of Criminal Justice), founded at Washington State University, 1952
Beta Gamma Sigma (junior and senior men and women, College of Business Administration), founded at the University of Wisconsin, 1907
Phi Eta Sigma (freshman men), founded at the University of Illinois, 1923
Phi Kappa Phi (all-University upperclassmen and -women), founded at the Universities of Maine, Tennessee, and Pennsylvania State, 1897

Leadership Honor Societies
Omicron Delta Kappa (junior and senior men), founded at the University of Omaha, 1950
Waokiyi (senior women), founded at the University of Omaha, 1950

Honorary Clubs
Alpha Epsilon Rho (broadcasting)
Alpha Psi Omega (dramatics)
Alpha Kappa Delta (sociology)
Beta Alpha Psi (accounting)
Delta Omicron (music; women)
Gamma Pi Sigma (chemistry)
Gamma Theta Upsilon (geography)
Kappa Delta Pi, Eta Omega Chapter (education; men and women)
Lambda Alpha Epsilon (criminal justice)
Omicron Delta Epsilon (economics)
Pi Alpha Theta (history)
Phi Mu Alpha Sinfonia (music; men)
Pi Gamma Mu (social science)
Pi Kappa Delta (forensics)
Psi Chi (psychology)

Religious Clubs
Baptist Student Union
Campus Christian Fellowship
Campus Crusade for Christ
Christian Science Organization
Follow the Son
Inter-Varsity Christian Fellowship
University Newman Union

Professional Fraternities
Council of Exceptional Children (special education majors), 1970
Delta Sigma Pi (Business Administration; men), Gamma Eta Chapter, 1949
Iota Nu Sigma (Insurance Society)
University Chapter of Rho Epsilon (real estate), 1955
Phi Chi Theta (Business Administration; women)
Phi Epsilon Kappa (Men's Physical Education majors and minors)
Phi Iota Nu (Finance fraternity)
Sigma Delta Chi (Journalism)
Athletic Clubs
Lettermen's Club
PEMM (Physical Education Majors and Minors)

Social Clubs
Sororities
Alpha Xi Delta, Gamma Delta Chapter, 1950
Chi Omega, Zeta Delta Chapter, 1949
Gamma Phi Beta, Delta Gamma Chapter, 1969
Sigma Kappa, Beta Omega Chapter, 1950
Zeta Tau Alpha, Gamma Mu Chapter, 1950

Fraternities
Lambda Chi Alpha, Iota Delta Zeta Chapter, 1952
Pi Kappa Alpha, Delta Chi Chapter, 1952
Pi Kappa Phi, Nu Beta Kappa Chapter, 1970 (colony)
Sigma Nu, 1973 (colony)
Sigma Phi Epsilon, Nebraska Beta Chapter, 1951
Sigma Tau Gamma
Tau Kappa Epsilon, Epsilon Epsilon Epsilon Chapter, 1956
Theta Chi, Delta Zeta Chapter, 1950

Student Publications
Gateway (newspaper)
Maverick (yearbook)
Grain of Sand (literary magazine)

Special Interest Groups
American Indians United at UNO
American Institute of Industrial Engineers
American Society of Civil Engineering (ASCE)
Angel Flight
Arnold Air Society
Art Student Forum (Art Club)
Associated General Contractors of America
B.L.A.C. (Black Liberators for Action on Campus)
Biology Club
C.A.U.S.A. (Chicano Association of United Students)
Collegiate Veterans Association
Economics Club
Everywoman Organization
Graduate Student Association
Home Economics Club
Ice Hockey
Industrial Technology Club
Institute of Electric and Electronic Engineers
Interior Design Club
International Student Organization
Judo Club
Karate Club
Lariats Club
M.E.N.C. (Music Educators' National Conference)
Moving Company (The)
National Students' Speech and Hearing Association
Pen and Sword Society, Inc.
Pin-ops
Recreation and Parks Society
Rainbow Coalition
S.C.O.P.E. (Student Committee Organized for Public Effort)
Ski Club
Society for Advancement of Management
Society of Physics Students
Square Mavericks (square dance club)
Student Educational Association
Students for World Unification
Students' International Meditation Society
Students' Social Work Organization
UNO Association of Student Social Workers
University Aero Club
Young Americans for Freedom
Young Democratic Club
Young Republicans

UNIVERSITY DIVISION

Gene Kafka, Director

Counselors: Ron Kelly, Bobbie Davis, Bob Gibson, Mary Mudd and Jim Ramirez

The University Division, established in the 1962-63 academic year, provides a setting in which the student who has not yet made a definite choice as to major or occupation is free to take an exploratory program of studies. In addition to offering him the opportunity to choose from among the broad range of courses offered in all the colleges in the University, the University Division attempts to assist the undecided student by employing a staff of full time professional counselors to aid him in finding suitable goals.

By enrolling in the University Division, he has the advantage of receiving special attention and assistance from the counseling staff in establishing good study habits and finding a sense of purpose and direction to his studies, so that his chances of success in his college program may be increased.

Procedure for Transferring from University Division

The student who has entered the University Division because he has not yet chosen a major and wishes to take advantage of the chance to take an exploratory program and the counseling service available through this Division may transfer as soon as he has made a decision as to the academic and career program he wishes to pursue.

Since the University Division is seen as a means for assisting the student to choose and enter an appropriate college, it is expected that by the time he has achieved junior standing he will have chosen and transferred to another college.
Requirements
The only required course in the University Division is a one credit Group
Guidance course designed to acquaint the student with the various colleges in the
University, vocational opportunities open to him, methods of effective study, and
with university life in general. The student is urged, however, to follow programs
which will fulfill general requirements of the schools which he feels he may wish to
enter along with the exploratory program, so that when he is ready to transfer he
will not be as likely to lose a great deal of time in making up requirements.

OMBUDSMAN OFFICE

Ombudsman, translated from Swedish, means “man of the people.” He is also
called “people’s counsel.”
The Office of Ombudsman was established at UNO in the fall of 1970. The
purpose of the office is to receive and investigate complaints. Anyone — student,
faculty, administrator, or staff member — may request the service.
The Ombudsman has no official authority to impose a solution to a situation.
Rather, it is his responsibility to look into the conditions which have caused
someone to lodge a complaint, to determine whether an injustice has occurred, and
to work with those concerned in an effort to resolve the difficulty. His powers are
restricted to those of inquiry, and recommendation.
The Office of Ombudsman is not a short cut for normal administrative
processes or student-faculty relations. Requests for the services of the Ombudsman
usually occur when the normal bureaucratic process has failed to function properly
and, therefore, causes undue hardship to one or more members of the UNO
community.

No person can be penalized in any way for seeking the assistance of the
Ombudsman, and all inquiries are considered confidential. Problems relating to
faculty, staff and student grievances with present procedure, parking, residency
interpretations, and inadequate or lack of communication, are a few of the kinds of
problems brought to the office. No problem is considered too small or insignificant
for consideration by the Ombudsman, if the individual feels that it is important.
The Ombudsman is ordinarily able to suggest a procedure for pursuing a remedy
within the system, but if no procedure is available, or is not adequate he can provide
assistance by making recommendations to appropriate administration offices for
resolution in other manners. Although he can not assure that everything sought or
requested by an inquirer will or should be granted, he will try to assure that a fair
resolution of a dispute or problem will be found, if possible.
The Ombudsman is appointed by the Board of Regents and is responsible
directly to the Chancellor’s Office. He is not considered a part of the
Administration, but is “independent.” He does work, however, through the
administrative processes that have been established in attempting to cut red tape
and to provide assistance in obtaining equity to all who bring a grievance to his
attention.
Specifically, the Bylaws of the Board of Regents of the University of Nebraska
provide:

Ombudsman. The Chancellor of each major administrative unit is authorized
to appoint an Ombudsman. Each Chancellor shall adopt procedures governing the
selection of the Ombudsman which shall include formal consultation with repre-
sentatives of those segments of the University served by the Ombudsman. The
Office of the Ombudsman will seek to improve academic and administrative pro-
cesses within the University by discovering patterns of malfunctionings and
suggesting reforms. The office may assist any member of the University community in the resolution of academic, administrative, or personal problems which cannot otherwise be resolved equitably within existing mechanisms.

The Ombudsman may listen to, investigate, and seek to mediate and resolve complaints and grievances made to him concerning academic or administrative policies, procedures, practices or decisions. He may recommend appropriate changes or solutions to the Chancellor. However, the Ombudsman shall have no authority to overturn, reverse, or modify such policies, procedures, practices, or decisions.

No person shall suffer any penalty or disability because of seeking assistance from the Ombudsman. All information presented to that office by persons seeking assistance shall be considered confidential unless a complaint shall authorize release of such information. All information received by the Ombudsman shall be considered privileged except where otherwise provided by law.

THE GENE EPPLEY LIBRARY

The Gene Eppley Library, a gift of Eugene C. Eppley of Omaha, is located in a Georgian two-story building housing the library, faculty offices and departments, and the Adult Education Conference Center. The Library occupies three levels of the building with entrances on both the north and south. If offers an invitation to research and study through its open-shelf collections and integrated reading areas. Each student may select his own type of study facility — from an individual carrell to an easy chair in the popular reading lounge.

The library collection numbers over 320,000 volumes and 125,000 documents. Over 3,200 American and foreign periodicals are received regularly and extensive back files are maintained through binding and microfilms. As a United States government document depository, the library makes available complete files of the major government publications. The extensive pamphlet collection is particularly strong in the field of vocational materials.

The open-shelf arrangement of the general book collection gives students the opportunity to select their own materials and invites browsing in all subject fields. Reference librarians provide library instruction through orientation and bibliographic lectures which are offered upon request to individual classes. Reference librarians also counsel students in using the library for information and research at the reference desk. Librarians serve as reader-consultants in guiding students in selecting reading materials and developing reading programs.

Special services in the library include research rooms for faculty, and seminar rooms for advanced classes. A classroom and laboratory house the materials for library science and a collection of literature for elementary and high school are housed in a special collection on the second level of the library. The Eppley Adult Education Conference Center with its auditorium, conference rooms, and lounge offers opportunities for workshops, conferences, and informal groups to work in close co-operation with library materials.

AIR FORCE ROTC

The Department of Aerospace Studies is a regular instructional department of the University of Nebraska at Omaha and functions according to the rules and policies of the University and those of USAF. The Air Force ROTC program is open to
both men and women and is designed to develop the skills and attitudes vital to the
career professional Air Force officer. Upon successful completion of the Air Force
ROTC program and graduation from the University, cadets are commissioned
Second Lieutenants, USAF Reserve. Instruction includes a two-year basic course
(General Military Course-GMC) and a two-year advanced course (Professional
Officer Course-POC).

To enroll in the POC course, applicants must complete either the college GMC
program or a six-week “Field Training (FT)” program at an Air Force Base. Applicants
for the six-week FT must arrange for such training prior to completing
their sophomore year. A number of Air Force ROTC College Scholarships are
available to outstanding cadets. For complete information on the Air Force ROTC
program contact the Professor of Aerospace Studies (PAS).

OMAHA FACILITY
UNIVERSITY OF NEBRASKA COMPUTER NETWORK

The computing needs of the UNO campus are served by the Omaha Facility of
the University of Nebraska Computer Network. Through interconnecting arrange-
ments between each of the large scale computers located at the Omaha and Lincoln
campuses, the computer user has at his command a massive computing system sup-
ported by professional personnel and a comprehensive library of computer routines
that augment professional and user programming efforts. In addition, a large inter-
active time sharing system is available via Teletype devices and Cathode Ray Tube
data entry terminals which are distributed throughout the campus at strategic loca-
tions. All students, faculty, and staff are invited and encouraged to use the comput-
ing facilities. Applications to begin computer projects can be made through one of
the Project Coordinators within the Computing Facility, room 231 Administra-
tion building. The telephone number is 554-2687. User work rooms which are
always open on a 24-hour/7-day week basis contain key punches, Teletype
machines and Cathode Ray tubes plus de-bug consultants on duty during the main
usage hours. Up-to-date reference manuals and the facilities of a technical reference
library are available to all users. A variety of short technical seminars is held
frequently during the times that regular classes are in session. These technical
seminars discuss the significant and timely computer-related topics not ordinarily a
part of academic classes. The seminars are offered to students, faculty, and staff on
a gratis basis; a current catalog of seminars may be had upon request to the
Computing Facility. Frequently there are opportunities for part-time employment
for individuals possessing needed technical skills. Facilities orientation and tours
are available to groups upon request.

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 (economic, social, educational) and provides
opportunities for students to engage in tutoring, attend some scheduled classes and
become aware of, and involved in, the problems related to low-income areas (both
urban and rural). The staff and the community coordinator interact with agencies
and residents in low-income areas and provide students and their classes opportunities to become part of an inter-disciplinary outreach on the part of the University. Interested students and faculty may enrich their regular program through practical experiences and/or classes arranged with appropriate academic departments.

OFFICE OF INTERNATIONAL AFFAIRS

The office of International Affairs was established in 1973 to provide for the encouragement and development of selected international programs and studies and for working closely with the colleges and faculties in advancing these outreach objectives. Among such programs currently in operation are the European Teaching Program (as part of a U.S. Air Force contract), the Afghanistan exchanges under the Afghanistan Research and Study Center, and the intersession study program overseas and in the United States.

UNO ALUMNI ASSOCIATION

The University of Nebraska at Omaha Alumni Association is an organization of more than 30,000 men and women living throughout the world. Membership in the organization is automatic upon graduation from the University. Former students who attended at least two years and express an interest also are eligible for membership. There are no dues, all support is voluntary.

Members receive the quarterly newsletter and all other publications of the association and are invited to participate in a variety of social programs.

Operating independently of the University, the alumni association is the primary fund raising organization of the UNO campus. It is governed by a 21-member board of directors responsible for the association’s executive director. The alumni office staff, in addition to maintaining current addresses of all members, coordinates alumni activities and prepares the organization’s publications and fund raising programs.

READING LABORATORY

Student who desire to improve their reading and study skills may do so by enrolling in the reading improvement courses in the Reading Laboratory, under the supervision of the Department of English. Each enrollee is required to attend a specified number of class lectures and laboratory sessions. The Reading Laboratory offers the latest in instructional materials and techniques. Courses in the Reading Laboratory are for Credit-No Credit only.

CLINICAL SERVICES DIVISION

The Clinical Services Division of the Department of Special Education is designed as a training facility to provide practical experience for advanced students in Speech and Hearing, Teaching the Deaf, Teaching the Mentally Retarded, and Remedial Reading. In addition it offers opportunities to develop and evaluate new methods and techniques for the education or rehabilitation of handicapped children and adults.
Diagnostic services and remedial programs are available without charge to individuals in the Omaha area. The Clinical Services Division maintains currently used electronic equipment, tests, and materials for a variety of communication and learning disorders; one-way vision facilities allow for observation of individual and group therapy. These facilities are frequently used by other disciplines within the University for instruction and clinical research.

UNIVERSITY REGULATIONS

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

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

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

NOTE: Modifications in the academic calendar and program could be necessitated by emergency conditions.

GRADUATE STUDIES

Elton S. Carter, Dean

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

Opportunities for advanced study and independent investigation are provided in a limited number of fields of learning for qualified students:

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.

The Graduate offerings include graduate courses, workshops, institutes, seminars, research and special problems courses, and the supervision of theses or special projects. The Graduate College promotes the spirit of free investigation of the various disciplines and, at the same time, serves to unite the various branches of the University in advancing human knowledge and providing intelligent, capable leadership for society.

A student desiring admission to Graduate study must have earned a Bachelor’s degree. An application must be submitted to the Director of Admissions together with two official transcripts. The transcripts are then evaluated by the department in which the student wishes to do his graduate work.

Seniors in this University who have obtained in advance the approval of the Dean for Graduate Studies may receive up to twelve hours credit for graduate courses taken in addition to the courses necessary to complete their undergraduate work provided that such credits are earned within the twelve-month period prior to receipt of the baccalaureate. With the permission of the department or departments offering the courses, students may be permitted to take courses for graduate
credit during either semester of their senior year. However, courses taken during the senior year may be carried for graduate credit only if approved in advance by the Dean for Graduate Studies.

Seniors in this University needing not more than nine hours of undergraduate credit to complete the bachelor’s degree and wishing to register for graduate credit may be granted provisional admission to Graduate study subject to receiving their baccalaureates within the twelve-month period immediately following such registration. They must file application for admission to Graduate study and, if admitted, will register on graduate registration forms.

Course work taken prior to receipt of the baccalaureate may not be accepted for transfer to other institutions as graduate work.

A detailed Graduate Bulletin is available from the Graduate Office.
FACULTY
UNIVERSITY OF NEBRASKA AT OMAHA
1974-1975

ROBERT L. ACKERMAN ....... Elementary and Early Childhood Education
Ed.D., University of Nebraska, 1966; Professor; Chairman of Department

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

MARY ADAMS .................. Social Welfare
MSW, University of Nebraska at Omaha, 1964; Associate Professor

WILLIAM H. ADKINS ............ Engineering Technology
M.S.C.E., University of Arkansas 1967; Associate Professor, Registered Professional Engineer

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 .............. Marketing
D.B.A., George Washington University, 1971; Associate Professor; Director of Graduate Studies

CLIFFORD ANDERBERG .......... Philosophy & Religion
Ph.D., University of Wisconsin, 1953; Professor

EARL ANDERSON ............... Accounting
M.B.A., University of Nebraska at Omaha, 1972; Instructor

SUNNY ANDREWS ............... Social Welfare
Ph.D., Johns Hopkins University, 1972; Assistant Professor

JOHN R. ANSTEY ............... Management
M.B.A., University of Arkansas, 1967; Assistant Professor

WILLIAM L. ANthes ............ Economics
Ph.D., Arkansas, 1973; Assistant Professor

LILLIAN ANTHONY-WELCH ........ Black Studies
M.R.E., Pittsburgh Seminary, 1953; Associate Professor; Chairperson

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

RICHARD C. ARNOLD .......... Civil Engineering
Ph.D., Kent State University, 1970; Assistant Professor

DUANE L. ASCHEBNBRENNER .... Speech
M.A. Colorado State University, 1961; Associate Professor & Director, Forensics

JAMES W. ASHKAR ............. Engineering Technology
M. Engineer, Penn State University, 1973, Assistant Professor

EUGENE BAGNETT .............. Music
M.M., Temple University, 1970; Assistant Professor

BRUCE P. BAKER II ........... English
Ph.D., Texas Christian University, 1968, Professor; The Albert W. Jefferis Professor

HOWARD BANDY ............... Mathematics
Ph.D. Case Western Reserve University, 1972, Associate Professor
GEORGE BARGER ........................................... Sociology
Ph.D., University of Missouri, 1964; Professor, Chairman of Department

NICHOLAS BARISS ........................................... Geography and Geology
Ph.D., Clark University, 1967; Professor

BURWELL G. BEAMAN ........................................... Accounting
M.S., Kansas State University, 1960; C.P.A.; Associate Professor

SUSAN K. BEAVENS ........................................... Food and Nutrition
M.S., UN-L, 1972; Instructor

PAUL L. BECK ........................................... History
Ph.D., University of Nebraska, 1961; Professor

GORDON M. BECKER ........................................... Psychology
Ph.D., University of Pittsburgh, 1955; Professor

RONALD BEER ........................................... Educational Administration
Ph.D., Kent State, 1969; Vice Chancellor for Educational & Student Services;
Associate Professor

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

ROBERT W. BENECKE ........................................... Banking & Finance
D.B.A., University of Colorado, 1966; Professor

KRIS E. BERG ........................................... Health, Physical Education & Recreation
M.S., University of Kansas, 1968; Assistant Professor

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

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

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

MAURICE BETTER ........................................... Economics
Ph.D., University of Wisconsin, 1973; Assistant Professor

SYBIL R. BETTER ........................................... Sociology
M.S., University of Wisconsin, 1968; Instructor

JOSEPH D. BETTIS ........................................... Goodrich Program
Ph.D., Princeton University, 1961; Associate Dean; Associate Professor in Residence

STEVEN A. BIETERMAN ........................................... Chemistry
B.A., University of Nebraska at Omaha, 1973; Assistant Instructor

CLYDE W. BIGGERS ........................................... Health, Physical Education & Recreation
M.A., University of North Carolina, 1951; Associate Professor, Athletic Director

JEROME M. BIRDMAN ........................................... Dramatic Arts
Ph.D., 1970; Professor; Dean, School of Fine Arts

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

RICHARD H. BLAKE ........................................... Counseling and Guidance
Ed.D., University of Missouri, 1970; Professor, Chairman of the Department

WILLIAM L. BLIZEK ........................................... Philosophy and Religion
Ph.D., University of Missouri, 1970; Associate Professor, Chairman of the Department
GARY L. BLUM ............................................... Philosophy and Religion
M.A., University of Notre Dame, 1965; Assistant Professor

EDWARD C. BOGARD ....................................... Engineering Technology
B.S.C.E., University of Nebraska at Omaha, 1971; Assistant Professor;
Registered Professional Engineer

JOHN L. BOHRER ............................................ Music
M.A., University of Michigan, 1959; Associate Professor

JON A. BOONE .............................................. Reference Librarian
M.A., University of Denver, 1961; Assistant Professor

PAUL D. BORGE ............................................. Speech, Radio-TV
M.A., University of Omaha, 1961; Associate Professor; Chairman, Radio-TV Department;
General Manager of Channel 26

HOUSTON P. BOYD ......................................... Industrial Technology
M.S., Kansas State University, 1970; Assistant Professor

NORMAN F. BOLYEA ....................................... Civil Engineering
Ph.D., Renesselear Polytech, 1969; Associate Professor & Registered
Professional Engineer

LAWRENCE BRADSHAW .................................. Art
M.F.A., Ohio University, 1973; Instructor

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

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

NAOMI BRILL ............................................... Social Work
M.A., Columbia University, 1938; Associate Professor

NAN L. BRITT ............................................... History
Ph.D., Emory University, 1972; Assistant Professor

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

EVAN L. BROWN ............................................. Psychology
Ph.D., University of Washington, 1969; Assistant Professor

WILLIAM M. BROWN ....................................... Marketing
Ph.D., University of Washington, 1969; Professor

SIDNEY A. BUCHANAN .................................. Art
M.A., New Mexico Highlands University, 1963; Associate Professor

RICHARD J. BUHMAN ..................................... Engineering Technology
B.S., Iowa State University, 1960; Assistant Professor

CHARLES M. BULL .......................................... Marketing
Ph.D., University of Nebraska, 1962; The Frederick W. Kayser Professor of
Marketing and Chairman

DALE M. BUNSEN ......................................... Secondary & Post Secondary Education
Ed.D., University of Nebraska, 1966; Professor

JOHN E. BURDICK ......................................... Social Work
M.S.W., State University of New York at Buffalo, 1970; Assistant Professor

RONALD R. BURKE ......................................... Philosophy and Religion
M. of Phil., Yale University, 1970; Assistant Professor
KENNETH BURKHOLDER .................. Educational Administration
Ed.D., University of Nebraska, 1959; Professor

KARL H. D. BUSCH ..................... Biology
Ph.D., Ohio State University, 1940; Professor

LEE C. BUSH .......................... Geography and Geology
M.A., University of Arizona, 1969, Instructor

ROBERT R. BUTLER .................... Counseling and Guidance
Ph.D., University of Missouri, 1970; Associate Professor

WALTER M. CALINGER .................. Counseling and Guidance
Ph.D., Ohio State University, 1971; Assistant Professor

WILLIAM CALLAHAN .................... Special Education
Ph.D., Ohio State University, 1971; Associate Professor

H. CARL CAMP ......................... Political Science
Ph.D., Washington University, 1965; Professor & Chairman

AL F. CANIGLIA ........................ Health, Physical Education and Recreation
M.S., University of Omaha, 1955; Assistant Professor; Head Football Coach

GEORGE D. CANO ....................... Dramatic Arts
M.A., University of Oregon, 1968; Assistant Professor

LLOYD R. CARDWELL .................. Health, Physical Education and Recreation
B.S., University of Nebraska, 1953; Assistant Professor, Track Coach

JO ANN CARRIGAN ..................... History
Ph.D., Louisiana University, 1961; Professor

ELTON S. CARTER ...................... Speech
Ph.D., Northwestern University, 1950; Professor and Dean for Graduate Studies

PAUL M. CARTER III ................. Elementary and Early Childhood Education
M. of Ed., University of Arizona, 1968; Assistant Professor

JERRY B. CEDERBLOM ................. Philosophy and Religion/Goodrich Program
Ph.D., Claremont Graduate School, 1972; Assistant Professor

J. BRAD CHAPMAN .................... Management
Ph.D., University of Nebraska at Lincoln, 1974; Assistant Professor

BING CHEN ............................ Engineering Technology
M.S.E.E., University of Nebraska at Lincoln, 1969; Assistant Professor

JOHN M. CHRIST ....................... University Library
Ph.D., University of Missouri, 1971, Professor, Director

JAMES D. CHRYSLER ................... Counseling and Testing
Ed.D., University of New Mexico, 1970; Director of Orientation

JOON-GUN CHUNG ..................... Political Science
Ph.D., Claremont Graduate School, 1971; Assistant Professor

EDWIN L. CLARK ...................... Dramatic Arts
Ph.D., State University of Iowa, 1951; Professor

CONSTANCE L. CLAUSSEN ............. Health, Physical Education and Recreation
M.A., Adams State College, 1963; Associate Professor

LEONARD CLONINGER .................. Special Education
Ed.D., University of Northern Colorado, 1971; Assistant Professor
WILLIAM T. CLUTE ........................................ Sociology
Ph.D., University of Minnesota, 1969; Assistant Professor

WALTER H. COMBS ................................................ Speech
M.A., Michigan State University, 1968; Instructor

CHARLES B. CONE ........................................ Engineering
M.S., Rochester Institute of Technology, 1971; Assistant Professor

DONALD R. CONNELL ..................................... Economics
M.S., Fort Hayes State College, 1958; Assistant Professor

DWIGHT W. CONNELLY ................................... Speech
M.A., University of Iowa, 1970; Instructor

MAURICE W. CONNER ................................... Foreign Languages
Ph.D., University of Nebraska - Lincoln, 1973; Assistant Professor

JAMES CONWAY ........................................ Decision Sciences
D.B.A., Texas Tech. University, 1970; Professor

NILA CORKILL ................................................ Library
M.A., University of Denver, 1963; Librarian/Instructor

HUGH P. COWDIN ........................................ Journalism
Ph.D., University of Iowa, 1968; Professor and Chairman of Department

JAY W. COX ................................................ Counseling and Guidance
M.A., University of Denver, 1959; Instructor and Director of Admissions

JAMES H. CRAIG, JR. ..................................... Physics
Ph.D., Washington State University, 1971; Assistant Professor

SHERAN CRAMER ................................... Education and Family Resources
M.S., Iowa State University, 1967; Assistant Professor

WAYNE H. CRAMER .................................... Mathematics
M.S., University of South Dakota, 1965; Instructor

CARLA S. CROOK .................................... Education and Family Resources
M.S., Kansas State University 1971; Instructor

DONALD C. CUSHENBERY ............................ Special Education
Ed.D., University of Missouri, 1964; Foundation Professor

HORTON DAHLQUIST ................................... Engineering Technology
BGS-University of Nebraska at Omaha, 1966; Instructor, Curriculum Chairman;
Fire Protection Technology

HARL A. DALSTROM ...................................... History
Ph.D., University of Nebraska, 1965; Associate Professor; Chairman of Department

WILLIAM A. DANENHAUER .. Health, Physical Education and Recreation
M.A., Colorado State College, 1968; Instructor; Coach

BOBBIE A. DAVIS ........................................ University Division
B.S., Prairie View A. & M., 1957; Counselor/Instructor

HAROLD L. DAVIS ........................................ Industrial Technology
Ed.D., University of Nebraska at Lincoln, 1970; Professor

JOE DAVIS ........................................ Counseling and Testing
Ed.D., University of South Dakota, 1969; Assistant Professor

KENNETH A. DEFFENBACHER .......................... Psychology
Ph.D., University of Washington, 1966; Associate Professor
WILLIAM deGRAV ........................................ Biology
Ph.D., Washington State University, 1972; Associate Professor

BARTHOLOMEW DENNEY ..................................... Civil Engineering
Ph.D., Texas A. & M. University, 1970; Associate Professor; Associate Dean of the College of
Engineering and Technology and Director Continuing Engineering Studies

DUNNE DESLER ........................................ Engineering and Technology
B.S., E.E., University of Nebraska at Lincoln, 1959; Assistant Professor

ROBERT J. DETISCH ....................................... English
Ph.D., University of Wisconsin, 1967; Assistant Professor

ELTON A. DEVINE ......................................... Accounting
Ph.D., Louisiana State University, 1973; Assistant Professor

GLORIA DOWNING ........................................ Foreign Languages
M.A., Michigan State University, 1968; Instructor

J. SCOTT DOWNING ....................................... Mathematics
Ph.D., Michigan State University, 1969; Associate Professor

RICHARD C. DUGGIN ...................................... Writer's Workshop
M.F.A., University of Iowa, 1963; Associate Professor

HARRY A. DUNCAN ........................................ Journalism
B.A., Grinnell College, 1938; Professor, Director of Fine Arts Press

JOSEPH G. DUNN .......................................... Educational Foundations
Ed.D., University of Missouri, 1955; Professor

LAWRENCE E. EHLERS .................................... Industrial-General Engineering
Ph.D., Oklahoma State University, 1969; Associate Professor; Chairman of Dept.;
Registered Professional Engineer

KENNETH ELLER ........................................ Foreign Languages
Ph.D., University of Kansas, 1969; Associate Professor

JOHN F. ELSE ........................................... Social Work
M.A., University of Nebraska at Omaha, 1970; Assistant Professor

BIDEZ D. EMBRY .......................................... Art
M.A., University of Iowa, 1970; Instructor

THEODORE ERNST ......................................... Social Work
D.S.W., Columbia University, New York, 1968; Professor, Director, School of Social Work

WILLIAM J. ERWIN ....................................... Biology
M.A., University of Nebraska at Omaha, 1971; Instructor

PATRICIA O. ESPELAND ................................ Food and Nutrition
M.S., Kansas State University, 1969; Assistant Professor

LAWRENCE P. ETTKIN ................................... Management
M.B.A., Kent State University, 1968; Assistant Professor

FELIX FABIAN ........................................... Criminal Justice
Ph.D., University of Idaho, 1965; Professor

JOHN T. FARR ........................................... Political Science
Ph.D., University of Texas, 1969; Associate Professor

JAMES O. FAWCETT ..................................... Biology
M.S., University of Auckland, 1964; Instructor

DEANA C. FINKLER ...................................... Psychology
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<table>
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<tr>
<th>Name</th>
<th>Degree/University</th>
<th>Field</th>
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<tr>
<td>GARY L. LARSEN</td>
<td>Ph.D., University of Minnesota, 1972; Assistant Professor</td>
<td>Psychology</td>
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<tr>
<td>JOSEPH C. LA VOIE</td>
<td>Ph.D., University of Wisconsin, 1970; Associate Professor</td>
<td>Psychology</td>
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<tr>
<td>HARVEY R. LEAVITT</td>
<td>M.A., University of Omaha, 1966; Assistant Professor</td>
<td>English</td>
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<td>JOAN LEIBY</td>
<td>M.L.S., State University of New York, 1971; Instructor</td>
<td>Education</td>
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<td>FREDERIC LEIGH</td>
<td>M.A., University of Iowa, 1970; Instructor</td>
<td>Speech</td>
</tr>
<tr>
<td>WILLIAM B. LEMAR</td>
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<td>JEAN LEWANDOWSKI</td>
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</tr>
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<td>JOHN E. LEWIS</td>
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</tr>
<tr>
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<tr>
<td>MARY JANE LICKTEIG</td>
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<tr>
<td>WALTER W. LINSTROMBERG</td>
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</tr>
<tr>
<td>HUBERT G. LOCKE</td>
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</tr>
<tr>
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<td>TERRY LUEDTKE</td>
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<td>Chemistry</td>
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<tr>
<td>NORMAN J. LUNA</td>
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</tr>
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</tr>
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<tr>
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</tr>
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<tr>
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</tbody>
</table>
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M.A., University of Michigan, 1951; Instructor, Director of Military Program

DANIEL L. RYAN ........................ Engineering Technology
M.A., University of Northern Iowa, 1968; Certified Engineering Technician;
Associate Professor; Curriculum Chairman, Drafting Design Engineering Technology

MICHAEL GERALD RYAN .............. Metro Crime Center
J.D., University of Denver, 1951; Courts Associate

NANCY RYCKMAN ......................... Library
A.M.L.S., University of Michigan, 1971; Librarian/Instructor

EDWARD J. SADLER .................. Secondary and Post Secondary
Ed.D., University of Nebraska at Lincoln, 1969; Professor

ROSALIE C. SALTZMAN .............. English
M.A., University of Iowa, 1964; Assistant Professor

AARON SANDERS ...................... Black Studies
M.A., Central University 1973; Instructor

GORDON B. SCHILZ .................... Geography and Geology
Ph.D., Clark University, 1948; Professor
REGINALD R. SCHIVE ................................. Music
M.M.E., University of Colorado, 1967; Assistant Professor

ROBERT D. SCHMIDT ................................. Physics
M.A., University of Omaha, 1964; Assistant Professor

PRISCILLA SCHOONOVER ......................... Counseling and Testing
M.S., Kansas State Teachers College, 1956; Counselor/Instructor

DAVID C. SCOTT ................................. Political Science and Public Administration
Ph.D., State University of Iowa, 1948; Professor; Chairman of Dept. of Public Administration

PHILIP E. SECRET ................................. Goodrich Program/Black Studies
M.A., University of Nebraska at Lincoln, 1971; Tutor/Guest Lecturer

CHARLES L. SEDLACEK ......................... Engineering Technology
M.S., University of Omaha, 1967; Associate Professor

JAMES W. SELEE ................................. Educational Foundations
Ed.D., University of Colorado, 1964; Professor

HENRY F. SERENCO ................................. Art
M.F.A., Alfred University, 1970; Assistant Professor

BUTLER SHAFFER ................................. Law and Society
J.D., University of Chicago, 1961; Assistant Professor

MOHAMED V. SHARIEFF ......................... Mathematics
M.S., Bangalore, India, 1962; Instructor

ROGER S. SHARPE ................................. Biology
Ph.D., University of Nebraska, 1968; Associate Professor

NORMA C. SHIRCK ................................. Business Administration
B.S., University of Omaha, 1942; Lecturer

WERNER W. SHOULTZ ......................... Decision Sciences
Ph.D., Iowa State University, 1968; Assistant Professor

JOHN F. SHRODER ................................. Geography and Geology
Ph.D., University of Utah, 1967; Associate Professor

DONALD E. SHULT ................................. Physics
M.S., Western Illinois University, 1967; Associate Professor

DOREEN C. SIMPSON ....................... Journalism
B.S., Kansas State University, 1956; Assistant Professor

ROBERT B. SIMPSON ......................... Sociology
Ph.D., Washington University at St. Louis, 1970; Assistant Professor

THOMAS H. SIRES ................................. Engineering Technology
M.S., University of Omaha, 1967; Associate Professor

DAVID SIROTA ................................. Real Estate
Ph.D., University of Arizona, 1971; Associate Professor, Omaha Real Estate Board Chairman

MICHAEL W. SKAV ................................. English
Ph.D., University of Illinois, 1973; Assistant Professor

ANDRIS SKREIJA ................................. Sociology
Ph.D., University of Minnesota, 1973; Assistant Professor

KEITH SMITH ................................. Mathematics
Ph.D., Iowa State University, 1966; Associate Professor

MADELINE SMITH ......................... Foreign Languages
AGREGE (Equiv. to Ph.D.), University of Paris, 1960; Assistant Professor
NEIL SMITH .................................................. Mathematics
Ph.D., University of Nebraska-Lincoln, 1973; Assistant Professor

PHILLIP C. SMITH ........................................ English
M.A., Creighton University, 1967; Assistant Professor

TED T. SOKOL .............................................. Engineering Technology
M.S.C.E., University of Nebraska, 1968; Assistant Professor and Registered Engineer;
Associate Director, Technical Institute

KAREN SOUKUP .......................................... Foreign Languages
M.A., University of Wisconsin, 1967; Instructor

PAUL J. STAGEMAN ........................................ Chemistry
Ph.D., University of Nebraska, 1963; Professor

THOMAS C. STAPLETON .................................. Music
M.F.A., University of Iowa, 1968; Instructor

RICHARD H. STASIAK ................................... Biology
B.A., St. Mary's College, 1966; Assistant Professor

ELROY J. STEELE ......................................... Banking and Finance
Ph.D., State University of Iowa, 1957; The Frederick Kayser Professor

R. TIMOTHY STEIN ....................................... Psychology
Ph.D., University of Delaware, 1973; Assistant Professor

WILDA C. STEPHENSON .................................. Goodrich Program
M.A., Creighton University, 1966; Tutor

NANCY P. STEPHENSON ................................ Textiles, Clothing and Design
M.S., University of Nebraska-Lincoln, 1973; Instructor

WILLIAM D. STINNETT .................................. Speech
M.A., Ohio University, 1971; Instructor

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

JUSTIN D. STOLEN ...................................... Economics
Ph.D., University of Illinois, 1970; Associate Professor

EARL STORMO ............................................. Center for Urban Education
M.Ed., University of North Dakota, 1963; Assistant Professor of Education &
Student Advisement Coordinator

DALE A. STOVER ........................................ Philosophy and Religion
Ph.D., McGill University, 1967; Associate Professor

DAVID O. STUART ....................................... Industrial-General Engineering
Ph.D., Iowa State University, 1957; Professor

DANIEL M. SULLIVAN .................................. Chemistry
Ph.D., University of Nebraska, Lincoln, 1972; Assistant Professor

DAVID M. SUTHERLAND ................................ Biology
Ph.D., University of Washington, 1967; Associate Professor

PETER SUZUKI ........................................... Urban Studies
Ph.D., Leiden University, Holland, 1950; Associate Professor

JULIANA C. SWARTZBAUGH ............................ Textiles, Clothing and Design
B.S., Iowa State University, 1960; Instructor

RICHARD S. THILL ...................................... Foreign Languages
Ph.D., University of California at Los Angeles, 1973; Associate Professor
JAMES S. THOMAS .............................................. Psychology
Ph.D., Iowa State University, 1973; Assistant Professor

JOHN L. THOMPSON .......................................... English
M.A., University of Nebraska, 1957; Instructor

TOMMY R. THOMPSON ......................................... History
Ph.D., University of Maryland, 1972; Assistant Professor

EVELYN KAY THORDIKE ............................... Foreign Language
B.A., University of Nebraska at Omaha, 1964; Assistant Instructor

R. GARY THURMAN ......................................... Chemistry
Ph.D., University of Arizona, 1971; Assistant Professor

JACK C. TITUS ........................................... Industrial Engineering
M.S.I.E., Purdue University, 1964; Assistant Professor

GAYLORD TODD ........................................... Foreign Languages
Ph.D., University of Minnesota, 1970; Associate Professor

PAUL R. TODD ........................................... Music
M.M., University of Texas, 1956; Associate Professor

RALPH H. TODD ........................................... Center for Applied Urban Research
Ph.D., Washington State University, 1971;
Director, Center for Applied Urban Research

ROBERT TODD ........................................... Biology
M.A., University of Nebraska at Omaha, 1973; Instructor

BEVERLY TOMHAVE ...................................... Social Work
M.S.W., George Wren Brown University, 1962; Associate Professor

RAYMOND W. TRENHOLM ............................... Music
M.M., University of Michigan, 1942; Professor

A. STANLEY TRICKETT .................................. History
Ph.D., The Victoria University of Manchester, England, 1935; Professor

KEITH K. TURNER ......................................... Economics
Ph.D., University of Nebraska, 1968; Associate Professor

MARGERY B. TURNER .................................... English
M.A., University of Omaha, 1961; Assistant Professor

LOIS JEAN TUSH .......................................... Economics
Ph.D., University of Nebraska at Lincoln, 1972; Assistant Professor

RAYMOND P. UNKS ................................... Goodrich Program / Social Welfare
M.S.W., Wayne State University, 1967; Tutor / Assistant Professor

WILLIAM T. UTLEY ........................................ Political Science
M.A., University of Arkansas, 1936; Professor,
Dean, College of Continuing Studies

ANGELA VALLE ........................................... Foreign Languages
M.A., Michigan State University, 1969; Instructor

IVALYN J. VAN EVERY .......... Elementary & Early Childhood Education
M.S., University of Nebraska at Omaha, 1970; Instructor

JUDY K. VAN WAGNER .................................... Art
Ph.D., University of Iowa, 1972; Assistant Professor

ROBERT G. VAN WAGNER ................................ Art
M.A., University of Iowa, 1971; Instructor
J. FREDERICK VESPER .................................. Dramatic Arts
M.A., Pepperdine College, 1967; Instructor

PHILLIP E. VOGE.................................. Geography and Geology
Ph.D., University of Nebraska, 1960; Professor; Acting Chairman of Department

WAYNE F. WAGNER .................................. Health, Physical Education & Recreation
M.S., Indiana University, 1968; Assistant Professor; Athletic Trainer

THOMAS P. WALSH .................................. English
Ph.D., University of Nebraska at Lincoln, 1973; Associate Professor

JOHN WANZENRIED .................................. Speech
M.A., Bowling Green University, 1966; Assistant Professor

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

CHARLES M. WARDEN .................................. Mathematics
M.A., University of Missouri, 1956; Assistant Professor

RALPH M. WARDLE .................................. English
Ph.D., Harvard University, 1940; Foundation Professor

FUMIHIKO WATANABE .................................. Economics
B.S., University of Utah, 1965; Assistant Professor

FLOYD WATERMAN .................................. Educational Foundations
Ed.D., Columbia University, 1965; Professor; Director, Center for Urban Education

VINCENT J. WEBB .................................. Criminal Justice
Ph.D., Iowa State, 1972; Assistant Professor

ALLEN T. WEBER .................................. Biology
Ph.D., University of Wisconsin, 1970; Assistant Professor

LARRY E. WEGENER .................................. English
M.A., Creighton University, 1970; Instructor

ROBERT W. WELK .................................. Dramatic Arts
M.A., Kent State University, 1962; Assistant Professor

JANET M. WEST .................................. Economics
M.A., Michigan State University, 1964; Assistant Professor

RAYMOND CARL WESTERFIELD ..................... Health, Physical Education & Recreation
Ph.D., University of Toledo, 1973; Assistant Professor

WAYNE WHEELER .................................. Sociology
Ph.D., University of Missouri, 1959; Professor

JOANNE WHITMAN .................................. Art
M.S., University of Nebraska at Omaha, 1969; Assistant Instructor

RICHARD L. WIKOFF .................................. Psychology
Ph.D., Oklahoma State University, 1965; Associate Professor

MARJORIE WIKOFF .................................. Psychology
M.A., University of Nebraska at Omaha, 1969; Instructor;
Freshman Counselor, College of Arts & Sciences

PAULINE S. WILCOX .................................. Elementary and Early Childhood Education
M.S., University of Omaha, 1966; Assistant Professor
L. DUANE WILLARD ..................... Philosophy and Religion  
M.S., University of Wisconsin, 1964; Assistant Professor

SARA LOU WILLIAMS ................ Library  
M.L.S., Kansas State Teachers College, 1970; Periodicals Librarian Instructor

MARY E. WILLIAMSON ................ Speech  
Ph.D., University of Missouri, Columbia, 1972; Assistant Professor

R. WAYNE WILSON ..................... Law and Society  
J.D., University of Illinois, 1947; Associate Professor

MARY K. WISE ........................ Health, Physical Education and Recreation  
M.P.E., University of Nebraska at Lincoln, 1968; Assistant Professor

JAMES K. WOOD ....................... Chemistry  
Ph.D., Ohio State University, 1969; Assistant Professor

JAMES M. WOOD ........................ Special Education  
Ph.D., University of Utah, 1966; Professor

PHILLIP A. YANNARELLA ............... Library  
A.M.L.S., University of Michigan, 1970; Reference Librarian Instructor

VIRGIL V. YELKIN ..................... Health, Physical Education and Recreation  
M.S., University of Omaha, 1953; Associate Professor, Baseball Coach

LUCILLE ZELINSKY .................... Social Work  
M.S.W., Wayne State University, 1947; Associate Professor

RAYMOND A. ZIEBARTH ................. Secondary and Post Secondary Education  
Ph.D., University of Minnesota, 1963; Professor; Chairman of Department

EMERITUS FACULTY

PHILIP MILO BAIL ..................... Education  
Ph.D., University of Iowa, 1931; Professor, Education; Emeritus President, 
Municipal University of Omaha

MARTIN BUSH ......................... Music  
F.A.G.O., Professor and Chairman of Department. 1933-1953

RODERIC B. CRANE .................... Economics  
M.B.A., University of Chicago, 1941; Professor and Chairman of Department, 1936-1964;  
The Frederick W. Kayser Professor of Economics, 1961-1967

HURFORD H. DAIVSON .................. Retailing  
M.B.A., Harvard Graduate School of Business Administration, 1924;  
Professor and Chairman of Department. 1948-1963

RUSSEL C. DERBYSHIRE ............... Zoology  
Ph.D., Iowa State College, 1938; Assistant Professor, 1931-1961

NELL WARD DOAN ...................... Chemistry  
Ph.D., University of Iowa, 1939; Professor and Chairman of Department, 1918-1955

MILDRED GEARHART ................... English  
M.A., State University of Iowa. 1928; Associate Professor, 1931-1955

FRANK H. GORMAN ..................... Education  
Ph.D., University of Missouri, 1931; L.H.D., University of Omaha. 1967;  
Professor; Dean of College of Education, 1948-1967
CARL W. HELMSTADTER ......................... Accounting
Ph.D., State University of Iowa, 1936; LL.D., University of Omaha, 1966;
Professor; Dean of College of Engineering and Technology, 1929-1966

ELIZABETH L. HILL ........................ Speech
M.Ed., University of Missouri, 1955; Associate Professor;
Associate Dean of Student Personnel, 1956-1970

LETA HOLLEY ................................. Business Education
Ed.D., University of Colorado, 1960; Professor and Chairman of
Department of Business Education, 1946-1969

FRANCIS HOLIDAY ............................. Education
Ed.D., George Washington University, 1949; Professor and Chairman
of Department of Foreign Languages and Literature, 1943-1951

MARGARET P. KILLIAN ........................ Home Economics
M.A., Columbia University, 1929; Professor; Chairman of Department

BERTHA KOCH ................................ Art
Ph.D., Ohio State University, 1929; Professor and Chairman of Department, 1931-1958

C. GLENN LEWIS .............................. Business Administration
J.D., State University of Iowa, 1927; M.B.A., Indiana University, 1956; Professor,
Director, Real Estate Program; Omaha Real Estate Board Chair in Real Estate

ELLEN LORD ................................. Library Science
B.A.L.S., University of Michigan, 1968; Professor; Librarian, 1938-1969

JOHN W. LUCAS ............................... Business Administration
M.B.A., Ohio State University, 1935; LL.D., University of Omaha, 1968; Professor
and Head of Department; Dean of College of Business Administration, 1948-1968

ANSON D. MARSTON ............................ Engineering
M.S.C.E., University of Wisconsin, 1926; Iowa State University, 1931; Registered Professional
Engineer; Professor and Head of Department; Dean of College of Engineering and Technology;
D.Sc., University of Omaha, 1965; 1959-1969

R. J. MAXWELL ............................... Foreign Languages
M.A., University of Illinois, 1928; Assistant Professor, 1928-1929; Associate Professor, 1929-1960

ROY W. NOLTE ............................... Education
M.A., University of Missouri, 1935; Associate Professor; Supervisor,
C.A.E., Military Education Program, 1952-1962

HEDVIG NYHOLM .............................. English
M.A., Midbury College, 1942; Associate Professor, 1946-1967

WILFRED PAYNE .............................. Philosophy
Ph.D., University of Wisconsin, 1930; LL.D., University of Omaha, 1963;
Professor and Head of Department of Humanities, 1931-1963;
Regents' Distinguished Professor, 1962-1963

HARRY RICE ................................. Mathematics
M.S., University of Iowa, 1938; D.Sc., University of Omaha, 1968;
Associate Professor, 1942-1967

ROY ROBBINS ............................... History
Ph.D., University of Wisconsin, 1929; Professor: 1954-1970;
Director, Graduate Division, 1954-1958

BENJAMIN STERN ........................... Mathematics
M.Sc., California Institute of Technology, 1935; Assistant Professor, 1956-1965

T. E. SULLINGER ............................ Sociology
Ph.D., University of Missouri, 1930; Professor and Head of Department, 1923-1958
WILLIAM H. THOMPSON ............................................ Psychology
Ph.D., Ohio State University, 1930; Professor and Head of Department of Philosophy and
Psychology; Director, Child Study Services in Cooperation with Omaha Public Schools;
Dean of the College of Liberal Arts, 1931-1960

SARAH TIRRELL ..................................................... History
Ph.D., Columbia University, 1946; Assistant Professor, 1946-1958

PHILIP H. VOGT .................................................... Sociology
M.S., Washington University, 1936; Professor, 1960-1968

S. V. WILLIAMS .................................................... Engineering
M.E., Carnegie Institute of Technology, 1927; Professor and Chairman of
Department, 1953-1962

COLLEGE OF CONTINUING STUDIES

WILLIAM T. UTLEY, M.A. ........................................ Dean

GEORGE G. THOMPSON, B.A. .................................... Assistant Dean
Division of Academic Studies

THOMAS E. MOORE, B.S. .......................................... Assistant Dean
Division of Community Services

FRANKLIN J. RUSSELL, M.A. ................................. Director, Military Programs

MICHAEL F. WEST, M.S. ........................................... Director, Adult Academic Programs

BARTHOLOMEW DENNEHY, Ph.D. ............................. Director
Continuing Engineering Studies (Associate Dean, College of Engineering and Architecture)

CHARLES BERCAW ............................................. Director, Conferences and Workshops

WILLIS P. ROKES, J.D., Ph.D., C.L.U., C.P.C.U. .......... Chairman
Insurance Certificate Programs

DAVID SIROTA, Ph.D. .......................................... Director
Real Estate Certification Program

PAUL D. BORGE, M.A. .......................................... Director of Radio and T.V.
Manager, Channel 26-ETV

E. WILLIAM SHACKLETTE, B.A. .......................... Assistant Director, Military Programs

ROBERT J. McKee, M.A. ...................................... Advisor, Military Programs

EVERTS S. SIBBERNSEN, B.A. ............................. Program Coordinator
Division of Community Services
AIR FORCE ROTC DETACHMENT 470

LT. COLONEL WILLIAM A. FALL .................... Aerospace Studies
           M.S., Geo. Washington University, 1967; Professor

CAPTAIN RAYMOND W. ASHLEY .................... Aerospace Studies
           M.A., Michigan State University, 1970; Assistant Professor

CAPTAIN CLARENCE R. PETERMAN ................ Aerospace Studies
           B.A., Oklahoma State University, 1964; Assistant Professor

TSGT. GLEN F. CASADY ............................ Aerospace Studies
           Personnel NCO

SSGT. JEFF T. DAVIS ............................. Aerospace Studies
           Administrative NCO

SSGT. HAROLD P. WRENN ......................... Aerospace Studies
           Administrative Supervisor

ADMINISTRATIVE STAFF
1974-75

Ralph Altvater, B.G.S. ........................... Purchasing Agent
Russell Baldwin, B.S. ............................. Business Manager, Athletics
Ronald S. Beer, Ph.D. ............................ Vice- Chancellor for Educational
                                           and Student Services
Charles Bercaw ..................................... Director, Conferences and Workshops
Joseph D. Bettis, Ph.D. ......................... Associate Dean, College of Public Affairs
                                           and Community Service
Clyde Biggers, M.A. .............................. Director, Athletics
Jerome M. Birdman, Ph.D. ....................... Dean, School of Fine Arts
Paul D. Borge, M.A. ............................. Director, Radio-TV Department
L. M. Bradley, B.A. .............................. Director, University Relations
Gary Carrico, M.B.A. ............................. Assistant Vice-Chancellor for
                                           Business and Finance
Elton S. Carter, Ph.D. ........................... Dean for Graduate Studies
John M. Christ, Ph.D. ............................ University Librarian
James Chrysler, Ed.D. .......................... Director of Orientation
Barbara J. Coffey, M.A. ........................ Assistant to the President
                                           and Equal Opportunity Coordinator
Jay W. Cox, M.A. ................................. Director of Admissions
Rick David, B.A. ................................. Director of Student Activities
Bartholomew Dennehy, Ph.D. ..................... Associate Dean, College of Engineering and Technology
Ruth Eichorn, R.N. ............................... University Nurse
Rex C. Engebretson, Ed.D. ....................... Assistant to the Chancellor for Planning
Ureal Enfinger ..................................... Mail Room Supervisor
Thelma B. Engle ................................ Associate Director, Milo Bail Student Center
Herbert Garfinkel, Ph.D. ......................... Vice-Chancellor for Academic Affairs
William L. Gaines, Ph.D. ....................... Interim Dean, International Programs;
                                           Director, Summer Sessions
Fred S. Gerardi, B.A. ........................... Director, Sports Information
William Gerbracht, B.A. ....................... Assistant Registrar
Harold Gray, Ph.D. .................................. Assistant Dean, College of Business Administration; Director, Center for Professional and Organizational Development
Gladys Grinage, R.N. .................................................. University Nurse
Mary R. Hall, Ph.D. ........................................... Associate Dean, College of Home Economics — Omaha Division
Gordon D. Hansen, Ph.D. .................... Assistant Dean, College of Arts and Sciences
Yvonne H. Harsh, M.A. .......................... Director, Career Development and Placement Center
Charles Hein .................................... Executive Assistant to the Chancellor
K. Elaine Hess, Ph.D. .......................... Assistant Vice-Chancellor for Academic Affairs
Barbara Hewins, M.A. ................... Coordinator for Minority Affairs
Roger Hildreth, B.A. ................................. Chief Accountant
Bill Hunter ........................................ Manager, Food Service
Gene Kafka, M.S. .......................... Acting Director, University Division
Harold D. Keefover, B.S. ............. Vice-Chancellor for Business and Finance
Edwin E. Kinney, B.C.E. .................. Director, Technical Institute
Bernard L. Koenig .................................. Manager, Bookstore
Robert Krenzer .................................. Superintendent, Physical Plant
Burt Kurth, M.S. .......................... Director of Intramurals
Max Lake, B.S. ................................. University Cashier
Richard L. Lane, Ph.D. .................. Associate Dean, College of Arts and Sciences
James Leslie, B.A. .......................... Executive Director, Alumni Association
Hubert G. Locke, M.A. .................................. Dean, College of Public Affairs and Community Service
Verne McClurg, M.A. .................................. Director, Campus Security and Traffic Control
Thomas E. Moore, B.S. ........ Assistant Dean, College of Continuing Studies, Division of Community Services
William Muse, Ph.D. .......................... Dean, College of Business Administration
Tom Norwood, M.Ed. .......................... Assistant Dean, College of Education
Ruth Nuss, C.P.S. ................................ Administrative Assistant to the Chancellor
Rodney L. Oberle, B.S. .................. Payroll Manager
B. Gale Oleson, Ph.D. ........... Director of Counseling and Testing Center, Coordinator for Student Services
John E. Pearson, A.B.A. .................. Manager, Duplicating Services
Donald E. Peterson, Registered Professional
Engineer ........................................... Director, Campus Construction
Donald J. Pfisterer, M.Ed. .............. Director, Milo Bail Student Center
Ronald L. Pullen, M.S. .................. Director, Audio-Visual Department and Chairman of the Educational Technology Center
Donald V. Roddy, M.S. .................. Director, Student Financial Aid and Employment
Ronald W. Roskens, Ph.D. ................. Chancellor
Franklin J. Russell, M.A. ........ Director Military Programs
Randall L. Sittler, M.A. .................. Director of Personnel
Donald Skeahan, M.A. ........... Assistant to the Vice-Chancellor for Educational and Student Services
George G. Thompson, B.A. ........ Assistant Dean, College of Continuing Studies
William T. Utley, M.A. .................. Dean, College of Continuing Studies
Michael West, M.S. .................. Director, Adult Academic Programs
Robert A. Wolfe, M.S. .................. Manager, Student Center Building Services
THE COLLEGE OF ARTS AND SCIENCES

JOHN V. BLACKWELL, Dean
RICHARD L. LANE, Associate Dean
GORDON D. HANSEN, Assistant Dean

The College of Arts and Sciences offers work toward the degrees of Bachelor of Arts and Bachelor of Science, as well as pre-professional programs for students planning to enter such fields as medicine, law and theology. The College is organized into 16 departments grouped under the three large divisions of the Humanities, the Social Sciences, and the Natural Sciences.

The Lower Division of the College, comprising the first two years of work, offers a program of general education with emphasis on breadth rather than depth. Subjects required or recommended for freshmen and sophomores include English, foreign languages, oral communication, mathematics, and basic courses in each of the three subject divisions. A somewhat less flexible program is prescribed for some professional and pre-professional students.

The last two years of the liberal arts program, while essentially a continuation of the Lower Division work, provide for specialization in one or two subject areas. At present, academic majors are available in the following fields: art history, biology, black studies, chemistry, computer science, economics, English, foreign languages and literatures, general science, geography, history, interdisciplinary studies, liberal studies, mathematics, philosophy, physics, political science, psychology, religion, sociology, and speech.

The pre-professional programs of study are determined largely by the requirements of the graduate or professional schools which students intend to enter. If arranged carefully, they provide a sufficient variety of courses so that their objectives are virtually the same as those of the four-year course leading to the degree of Bachelor of Arts.

During the course of the semester, many students experience varying degrees of difficulties with some of the courses they may be taking. The University of Nebraska at Omaha Tutorial Service Center was initiated to help the student overcome these academic difficulties. The service and the tutoring involved is entirely free to U.N.O. students.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

1. **Total hours.** Each candidate must present a total of at least 125 semester hours of college credit. After a student reaches 91 hours, he must be checked out by the dean’s office each and every time he registers until he graduates. If a student fails to follow this procedure, then the responsibility for meeting the requirements for graduation are his and, if he is in error, will prevent him from graduating at the anticipated time.

2. **Quality of work.** Each candidate for the degree must attain an average grade of at least “C” in all college work, including work transferred from other institutions. In his major field the candidate must attain at least a “C” grade in as many credit hours of work as the minimum number required for the major in the department concerned. All grades reported by the faculty to the Registrar become a part of the student’s permanent record and are included in the computation of his grade point average, even though some of these grades may be for work done in excess of the 125 hours required for graduation.

3. **Residence.** Thirty of the last 36 hours required for the degree must be registered for and carried at the University of Nebraska at Omaha.

4. **English.** The requirement in English is six semester hours of credit in courses to be determined by the Department of English.
5. **Foreign Language.** The candidate must present two years of college work in one foreign language or the equivalent thereof as determined by the Department of Foreign Languages. An acceptable equivalent may consist of:
   (a) One or one and one-half years of foreign language in high school, plus three semesters of college work in the same language.
   (b) Two or two and one-half years of foreign language in high school, plus two semesters of college work in the same language.
   (c) Three or three and one-half years of foreign language in high school, plus one semester of college work in the same language.
   (d) Four years of work in the same foreign language in high school.
   A student may, however, request permission to satisfy the requirement by passing a standardized proficiency test at the fourth semester college level. Circumstances under which such permission might be given include: experience abroad, foreign language spoken in the home, private study or tutoring.
   A student fulfilling the foreign language requirement through a combination of high school and college work must complete the language chosen through the fourth semester college course.

6. **The Divisions.** In general, the requirements in each of the three divisions — Humanities, Natural Sciences, and Social Sciences — is a minimum of 12 credit hours. The specific requirements for each division are as follows:

   **Humanities:** (English, foreign languages, journalism, philosophy, religion, and speech.) The student must present a minimum of 12 hours, with no more than eight from any one subject field. It is specifically noted that the following courses may not be used to satisfy any part of the requirement in humanities: English 90, 105, 111, 112, 205, 240, 331 and 341; Speech 223, 227, 230, 331, 332, 333, 336, 337, 401, 402, 424, 434, 435, 462; courses in foreign languages with numbers below 300. Foreign language courses numbered below 300 may be counted for Humanities credit in a second foreign language after a student has satisfied the Foreign Language requirement in the usual way. It is also noted that in the department of Journalism only the following courses may be used: Journalism 101, 301, 322, 410, 420, 430, 431, 440, 441, 443, 450, 490, 491, and 499.
   Each semester a five-hour survey course in Humanities may be substituted for six hours of departmental courses.

   **Natural Sciences:** (Biology, chemistry, physical geography, geology, and physics.) The student must present a minimum of 12 semester hours to include at least one laboratory course from two of the following groups:
   A. Chemistry
   B. Geology, physical geography
   C. Biology, botany, zoology
   D. Physics

   **Social Sciences:** (Black studies, economics, geography [except physical geography and geology], history, political science, psychology, and sociology). The student must present a minimum of 12 hours, with no more than 8 from any one subject field.

   **NOTE:** The first major is not counted as part of the divisional requirements.

7. **Oral Communication.** The student must present one course in oral communication of at least 3 credit hours, which may be applied toward the humanities requirement. Courses which can be accepted for the oral
communication requirement are: Speech 101, 112, 171, 211, 241, 312, 313, and 351.

8. **Mathematics.** A student must present three semester hours in an approved course in logic, mathematics, or computer science. The student may be exempted from this requirement by achieving a suitable examination score as determined by the Department of Mathematics.

9. **Major Field.** Each candidate must present a major including at least 18 credit hours of upper division work designated as appropriate by the faculty in one of the following fields: biology, black studies, chemistry, computer science, economics, English, French, geography, German, history, liberal studies, journalism, mathematics, music, philosophy, physics, political science, psychology, religion, sociology, Spanish, speech. A candidate meeting the requirements in each of two fields may present a double major in these fields.

10. **Maximum hour limits.** No candidate may count toward the Bachelor of Arts Degree a total of more than 45 credits in any one department of the College, including the department in which he presents his major.

11. **Other limitations on credit granted: nine-hour rule.** In general an Arts and Sciences student may apply toward his degree a total of nine semester hours or less in approved courses offered outside the College of Arts and Sciences (or its equivalent in another institution). The only exceptions to this limitation are the following:

   - All credits in the Department of Air Science
   - The first four credits in activity courses in physical education.
   - The courses in the College of Education required for the Nebraska Secondary School Certificate.
   - Courses necessary for a second major, minor or teaching field, provided the student also completes a major in the College of Arts and Sciences.

   Such courses as a department chairman may wish to recommend for inclusion in an Arts and Sciences major field (e.g. Business for an economics major).

12. **The Major in Liberal Studies.** Basically a non-requirement, honors program involving a close relationship with a faculty advisor and an individually designed program. For further information contact the Arts and Sciences office.

13. **Interdisciplinary Studies.** As an alternative to the departmental major, the interdisciplinary studies program enables the student whose interests follow area or topic lines to undertake an interdisciplinary, integrated program of studies. Each student’s interdisciplinary major is structured to fit his particular interest area. Students interested in the program should contact the Dean of the College of Arts and Sciences no later than during the first semester of the junior year. For example, students may pursue a major or minor in Latin American Studies, an intercampus-interdisciplinary program involving the College of Arts and Sciences and the Institute for International Studies (Lincoln).

14. **Credits not acceptable.** Credit in the following courses may not be applied toward the degrees offered by the Colleges of Arts and Sciences: English 90, Mathematics 050, plus courses in other colleges of the University not approved by the Arts and Sciences faculty.

15. **Amnesty Clause.** Students, after one full year of successful work at UNO (at least two consecutive semesters of twelve hours each with at least a 2.5 grade average), may petition the Committee on Admissions and Academic
Standards for removal of all work taken during either or both of his first two semesters. This petition subject to the following stipulations:
1. The student shall be at least four years removed from the semester or year to be deleted.
2. The student is responsible for initiation of the petition.
3. This petition to come through his counselor or academic advisor, to the Dean of the appropriate college for his approval, and then to the Committee for its action.
4. Removal of grades below C shall be by entire semester or year as the case may be.
5. Individuals who apply under this rule may not be considered for degrees with honors at graduation.
6. There shall be no physical obliteration of any part of the student’s record.

16. **Special provisions for professional students.** Students who have completed 96 semester hours of work at the University of Nebraska at Omaha shall be eligible for the degree of Bachelor or Arts after the satisfactory completion of a year’s work in an approved professional college, provided that such students must have completed 12 hours of the upper division hours required in their major field and that the minimum requirements for graduation, except for the total number of hours, have been met. No more than one-sixth of the last 72 or more of the required 96 hours may be transferred from another institution.

**REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE**

The requirements for the Bachelor of Science degree shall meet the basic requirements for the Bachelor of Arts degree, except that no foreign language need be required at departmental option. No department will be permitted to require for its major in this degree more than 45 hours. Requirements for these degrees are listed in the respective departments that offer them. (Bachelor of Science Degrees are offered in Biology, Broadcasting, Chemistry, Economics, History, Journalism, Physics, Political Science, and Psychology.)

**COOPERATIVE EDUCATION**

Students may earn through appropriate semi-professional and professional work experiences up to 12 semester hours of academic credit. Negotiation for credit as part of degree requirements is a responsibility of students working with the Cooperative Education Office and the student’s major advisor. Agreements must be formalized prior to the beginning of the semester in which credit is to be earned. Students initiate the process by first coming to the Co-op Office.

**Co-op Career Internship Courses**

**CI 270**

A semester of off-campus relevant semi-professional and professional work experience coordinated to complement classroom academics with practical firsthand involvement in the business world.

**CI 350**

A cooperative education seminar, offered for students who have completed Co-op 270. The purpose of this seminar course is to have an exchange of information and ideas regarding cooperative employers and cooperative work experience.

**CI 370**

A semester of off-campus relevant semi-professional and professional work
experiences coordinated to complement classroom academics with practical firsthand involvement in the business world.

**BACHELOR OF ARTS OR BACHELOR OF SCIENCE WITH THE SECONDARY TEACHING CERTIFICATE**

Students who plan to teach can meet the requirements for the degree of Bachelor of Arts as well as the requirements for the Secondary Teaching Certificate. Students in the College of Arts and Sciences who are considering the possibility of teaching careers should consult the Dean of the College of Education about the subjects required for the teaching certificate.

**PRE-LEGAL CURRICULUM**

**PROF. TRICKETT, Advisor**

Students who are preparing to attend a law school should anticipate at least three years of college work, although most law schools require the Bachelor of Arts, or similar degree, for admission.

No program of prescribed studies is outlined for pre-legal students. Rather, and in keeping with the suggestions of the Committee on Pre-Legal Education of the Association of American Law Schools, the academic program of each student is arranged in the way which will best assure the development of those basic skills and insights needed for the study of law. Copies of the summary statement of the Association of American Law Schools may be obtained from the Pre-Legal Advisor or the freshman counselors.

No particular undergraduate major is required for pre-Legal studies. Students should consult department counselors about recommendations and requirements in their selected major area.

Pre-Legal students planning to enter law school during the following academic year should obtain applications for the Law School Admissions Test and the Law School Data Assembly service from the Pre-Legal Advisors in September or October and plan to take the LSAT by the February test date.

Under requirement 14 for the degree of Bachelor of Arts, students admitted to law school after three years of pre-legal work may complete the requirements for the B.A. degree after the first year in law school.

**HEALTH SCIENCES**

The University of Nebraska at Omaha cooperates with the University of Nebraska Medical Center in Omaha by offering the non-professional courses for the following health careers:

- Medical Technology — AD and BS degrees
- Medicine
- Nuclear Medicine Technology — AD degree
- Nursing — AD, BS, and MS degrees
- Pharmacy
- Physical Therapy — BS degree
- Physician’s Assistant — BS degree
- Radiologic Technology — AD and BS degrees

The University of Nebraska at Omaha cooperates with the University of Nebraska College of Dentistry in Lincoln by offering the non-professional courses for the following health careers:

- Dental Hygiene
- Dentist
BACCALAUREATE PROGRAM IN MEDICAL TECHNOLOGY
Advisors: LARSEN, LONG, PADGETT, MUELLENBERG, STEWART

The University of Nebraska at Omaha cooperates with the Division of Medical Technology at the University of Nebraska Medical Center campus in providing a pre-medical technology curriculum which will satisfy the academic requirements to be considered for entrance into the Combined Academic Program for medical technology students. Students who successfully complete the pre-medical technology curriculum and the clinical year at the Medical Center campus are granted the degree Bachelor of Science in Medical Technology and are eligible for admission to the certifying examination for medical technologists given by the Registry of Medical Technologists of the American Society of Clinical Pathologists.

The pre-medical technology curriculum is listed below. Substitution of equivalent or higher level courses may be permitted subject to the approval of one of the advisors from the Combined Faculty Committee. Students should consult the advisor before making any substitutions.

Students who have completed 2 years (60 sem. hrs.) of the three years (90 sem. hrs.) pre-medical technology curriculum should submit an application to be considered for acceptance into the fourth year. There are a limited number of positions in the three participating Schools of Medical Technology (Bishop Clarkson Memorial Hospital, Nebraska Methodist Hospital, and University of Nebraska Hospital). Students are selected to fill the positions on a competitive basis. Past experience has shown that students should have maintained an overall grade point average of at least 2.5 and a science grade point average of at least 2.5 in order to be competitive for selection for one of the positions in the program.

The education coordinators of the three Schools of Medical Technology serve as advisors to the pre-medical technology students on the UNO campus. Students are urged to consult one of the advisors at each registration to ensure that the requirements for entering the clinical year are being met. Telephone numbers of the education coordinators are posted on the bulletin board at the Department of Biology, Allwine Hall or may be obtained from the secretary of that Department.

**FIRST YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Chem. 118, 118I</td>
<td>Chem. 119, 119I</td>
</tr>
<tr>
<td>**Biol. 274 (P&amp;A)</td>
<td>Biol. 284 (P&amp;A)</td>
</tr>
<tr>
<td>***English 111</td>
<td>***English 112</td>
</tr>
<tr>
<td>Math. 121 or 143</td>
<td>Psych. 101</td>
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<tr>
<td>M.T. 101</td>
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**SECOND YEAR**

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<tbody>
<tr>
<td>Chem. 124, 124I (Org.)</td>
<td>Elective</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>Biol. 214 (Genetics)</td>
<td>Speech 101</td>
</tr>
<tr>
<td>Humanities</td>
<td>Biol. 244 (Micro.)</td>
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<tr>
<td></td>
<td>Humanities</td>
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<tr>
<td></td>
<td>M.T. 201</td>
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</table>

*Chemistry 115, 116, 118I should be taken by students who have had no high school chemistry or algebra. This sequence is acceptable as a replacement for Chemistry 118, 118I.

**Prerequisite: High school biology and chemistry. If the student lacks these high school courses, he must take Biol. 102.

**Electives may be substituted if proficiency is established by examination.
### THIRD YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 105</td>
<td>Humanities</td>
</tr>
<tr>
<td>Chem. 365, 365L (Bio.)</td>
<td>Social Sci.</td>
</tr>
<tr>
<td>or 240, 240L (Quant.)</td>
<td>Electives</td>
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<tr>
<td>Electives</td>
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<tr>
<td><strong>5.6</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

14-16

Electives should be taken in social science and humanities subjects to total 12 credits in order to satisfy the UNO requirements for graduation.

### MEDICAL TECHNOLOGY PROGRAM

**MED TECH 101 Introduction to Medical Technology**

Aims and career opportunities in Medical Technology.

**MED TECH 201 Clinical Laboratory Techniques**

Instruments of analytical chemistry and hematology; preparation of standard curve; paper chromatography; clinical microbiology. Restricted to medical technology majors or by permission. Prereq.: M.T. 101.

### PRE-MEDICAL CURRICULUM

**PROF. MARQUARDT, Advisor**

Pre-medical students must secure a minimum of 90 semester hours of college credit before making application to enter most medical colleges. Medical colleges ordinarily give preference to students who have received a baccalaureate degree. The pre-medical program must include 12 hours of English (of which one year must be composition), 16 hours in chemistry (must include two semesters of general or inorganic chemistry and a two-semester complete course in organic chemistry), 12 hours in biology, eight hours in a complete physics course which is commensurate with the student's mathematical background, and nine hours of mathematics, which should include calculus. The remainder of the 90 credit hours should be selected to meet the special interests of the student and the basic requirements for the Bachelor of Arts degree. Unless biology is chosen as a major, courses which will be encountered in the medical colleges should be included.

Under requirement 14 for the degree of Bachelor of Arts, students who take three years of pre-medical work may complete the requirements for the B.A. degree after the first year in medical school. Such students must complete the two-year foreign language requirement, but they may offer six credit hours in philosophy and/or English literature instead of 12 credit hours in the Humanities. They may also present six credit hours in the Social Sciences instead of 12 credit hours.

For the convenience of the student, a general pre-medical program is listed below. The basic science requirements are included, but the large number of electives will allow such flexibility that the student may choose any one of several fields as a major.

### SUGGESTED PRE-MEDICAL PROGRAM

#### FIRST YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Math. 195 (Calculus I)</strong></td>
<td>Math. 196 (Calculus II)</td>
</tr>
<tr>
<td><strong>Chem. 118, 118L (General)</strong></td>
<td>Chem. 119, 119L (General)</td>
</tr>
<tr>
<td>English Composition</td>
<td>English Composition</td>
</tr>
<tr>
<td>Electives</td>
<td>Electives</td>
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<tr>
<td><strong>5</strong></td>
<td><strong>4</strong></td>
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<td><strong>3.5</strong></td>
<td><strong>3.5</strong></td>
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<tr>
<td><strong>15-17</strong></td>
<td><strong>15-16</strong></td>
</tr>
</tbody>
</table>
### SECOND YEAR

<table>
<thead>
<tr>
<th>First semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol. 175 (Zoology)</td>
<td>Biol. 145 (Botany)</td>
</tr>
<tr>
<td>Chem. 225, 225L (Organic)</td>
<td>Chem. 226, 226L (Organic)</td>
</tr>
<tr>
<td>English</td>
<td>English</td>
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<tr>
<td>English</td>
<td>Electives</td>
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<td>Electives</td>
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<td>3-5</td>
<td>3-5</td>
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<tr>
<td>15-17</td>
<td>15-17</td>
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</table>

### THIRD YEAR

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<tr>
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<tbody>
<tr>
<td>Physics 211-211L (General)</td>
<td>Physics 212-212L (General)</td>
</tr>
<tr>
<td>**Chem. 240 (Analytical)</td>
<td>Biology</td>
</tr>
<tr>
<td>Electives</td>
<td>Electives</td>
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<tr>
<td>6-8</td>
<td>3-4</td>
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<tr>
<td>15-17</td>
<td>15-17</td>
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</tbody>
</table>

### FOURTH YEAR

Completion of academic major and other requirements for Bachelor of Arts degree.

*Students with insufficient background in high school mathematics must precede calculus with college algebra and trigonometry (Math 121 and 122).

**Those with inadequate chemistry background must register for the Chemistry 115, 116, 119 sequence.

***Required by many medical colleges.

### NUCLEAR MEDICINE TECHNOLOGY PROGRAM

MISS PATACH, Advisor

The University of Nebraska at Omaha cooperates with the Division of Nuclear Medicine in the School of Allied Health at the University of Nebraska Medical Center in Omaha in offering the non-professional courses which satisfy needed college hours for the Associate degree program.

### NON-PROFESSIONAL COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>*English 112</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 121</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 101</td>
<td>3</td>
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<tr>
<td>Sociology 101</td>
<td>3</td>
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<tr>
<td>English 231 or 232</td>
<td>3</td>
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<tr>
<td>Computer Concepts 230</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

*Elective may be substituted if proficiency is established by examination. See the University of Nebraska Division of Nuclear Medicine catalog for complete information.

### NURSING PROGRAMS

MISS PATACH, UNO Advisor and Coordinator

The college of Nursing offers Associate, Baccalaureate, and Master Programs in Nursing. All students desiring associate or baccalaureate degrees enroll in the College of Nursing at the Medical Center in Omaha, entering it directly from high school.

Following the completion of the two-year Associate Program, students take the examinations for licensure as registered nurses. Those who wish to complete the Baccalaureate Program remain on the Medical Center campus for an additional two years. The program of the junior and senior years includes study and experience in community nursing and liberal arts and opportunity to elect a major in clinical nursing.

The Masters degree program, three semesters in length, is in medical-surgical and psychiatric nursing.

Instruction is given by the faculties of the College of Nursing, the College of
Medicine, and the University of Nebraska at Omaha.

Further information and application materials can be obtained by writing to the College of Nursing, University of Nebraska Medical Center, 42nd and Dewey Ave., Omaha, Nebraska 68105.

PRE-PHARMACY
PROF. MARQUARDT, Advisor

Students interested in a career in community, hospital, or industrial pharmacy can attend UNO for the required year of pre-pharmacy experience prior to entrance to an accredited College of Pharmacy. Although the admission prerequisites vary among the College of Pharmacy, the recommended prerequisite program for admission to the first professional year at the University of Nebraska College of Pharmacy is as follows:

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 102</td>
<td>Biology 175 (or 145)</td>
</tr>
<tr>
<td>Chemistry 118</td>
<td>Chemistry 119</td>
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<tr>
<td>Chemistry 118I</td>
<td>Chemistry 119I</td>
</tr>
<tr>
<td>English 111</td>
<td>English 112</td>
</tr>
<tr>
<td>Mathematics 121</td>
<td>Mathematics 122</td>
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<td>Electives*</td>
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</table>

*Candidates for admission are urged to elect courses in the Social Sciences and Humanities.

The above program outlines the minimum level of achievement expected of candidates desiring admission to the University of Nebraska College of Pharmacy. Some students may not find it necessary to enroll in all of the above courses by virtue of exceptional scores on preliminary placement examinations prior to arrival at UNO. In such cases, the student is urged to consult with his advisor regarding registration for appropriate elective courses to fulfill the minimum requirement of 30 hours needed for admission to the College of Pharmacy.

Applications for admission to the College of Pharmacy can be obtained from the pre-pharmacy advisor and must be submitted to the College of Pharmacy by February 1, 1975.

PRE-DENTAL CURRICULUM
Prof. Marquardt, Advisor

A minimum of 64 semester hours and completion of the required predental courses are necessary to make application to the College of Dentistry. A maximum of 4 semester hours in physical education or military science may be used toward the requirements.

The minimum of 64 semester hours and specific course requirements must be completed by June of the year the student desires to enroll in the College of Dentistry.

Students may follow a combined program as described in this catalogue under the Pre-Medical Curriculum which leads to the bachelor’s degree at the end of four years and the Doctor of Dental Surgery degree at the completion of the dental program.

Following is a suggested predental program for students intending to apply for admission to a College of Dentistry.
FIRST YEAR

**First Semester**
- English Composition ........................................... 3
- Chemistry 118, 118L ............................................. 4
- Principles of Biology 102 ...................................... 5
- Humanities or Social Science Electives .................. 3
  15

**Second Semester**
- English Composition ........................................... 3
- Chemistry 119, 119L ............................................. 4
- General Zoology (Biol. 175) ................................ 5
- Humanities or Social Science Electives .................. 3
  15

SECOND YEAR

- Organic Chemistry 225, 225L .................................. 4
- General Physics 111-111L or 211-211L ....................... 4-5
- Humanities or Social Science Electives .................. 6
  14-15

**Third Year**

The third year is optional but strongly recommended for the predental student. Consultation with the predental advisor regarding a schedule of courses to satisfy degree requirements is urged before a student begins his third year.

DENTAL HYGIENE
MISS PATCHACH, Advisor

The University of Nebraska at Omaha cooperates with the University of Nebraska College of Dentistry in Lincoln by offering the non-professional courses which satisfy needed college hours for the Baccalaureate program.

PRE-BACCALAUREATE CURRICULUM

**First Year**

- *English 111 .................................................. 3
- Biology 102 .................................................... 5
- Chemistry 104 & 104L ....................................... 5
- Psychology 101 ............................................... 3
  16

**Second Semester**

- *English 112 .................................................. 3
- Biology 175 .................................................... 5
- Chemistry 124 & 124L ..................................... 5
- Psychology 351 ............................................... 3
  16

**Second Year**

- Biology 244 .................................................... 4
- Home Ec 450 Nutrition ........................................ 3
- Sociology 101 .................................................. 3
- History 151 or 251 .......................................... 3
  or
- Political Science 110 ....................................... 3
- Humanities Elective .......................................... 3
  16

- Audio-Visual FED 486 ......................................... 3
- Speech 101 ..................................................... 3
- History 152 or 252 .......................................... 3
  or
- Political Science 120 ....................................... 3
- Humanities Elective .......................................... 3
- Psychology 343 or 345 ..................................... 3
  suggested but optional ................................. 1
  12-15

*Electives may be substituted if proficiency is established by examination. Graduates of the program are eligible for examination and licensure in all states. See the University of Nebraska College of Dentistry for further information on the catalog of the school of your choice.

PRE-PHYSICAL THERAPY PROGRAM
MISS PATCHACH, Advisor

The University of Omaha cooperates with the Division of Physical Therapy in the School of Allied Health at the University of Nebraska Medical Center in
Omaha in offering courses and a pre-physical therapy curriculum which satisfies needed college hours for the Baccalaureate program.

PRE-BACCALAUREATE CURRICULUM

FIRST YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>English 111</td>
<td>English 112</td>
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<tr>
<td>Biology 102</td>
<td>Biology 274</td>
</tr>
<tr>
<td>Chemistry 104-1041, or 118-1181</td>
<td>Chemistry 124-1241, or 119-1191</td>
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<tr>
<td>*Electives</td>
<td>*Electives</td>
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<td>16-17</td>
<td>15-16</td>
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SECOND YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>Physics 111-1111, or 211-2111</td>
<td>Physics 112-1121, or 212-2121</td>
</tr>
<tr>
<td>Psychology 101</td>
<td>Psychology 102</td>
</tr>
<tr>
<td>Math. 195, 121, 122, or 143</td>
<td>*Electives</td>
</tr>
<tr>
<td>Biology 284</td>
<td>3</td>
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<tr>
<td>*Electives</td>
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<td>15-18</td>
<td>16-17</td>
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</table>

*Electives: Students are urged to choose electives from the Humanities and Social Sciences, Speech, Sociology, Logic, Foreign Languages, and an Introduction to Statistics are recommended courses. Biology 175 may be substituted for Biology 274 and 284.

Graduates are eligible for the State Licensure examination which grants the right to use the title "Licensed Physical Therapist" upon successful completion of the examination.

See the University of Nebraska Division of Physical Therapy catalog for further information or the catalog of the school of your choice.

PRE-PHYSICIAN'S ASSISTANT PROGRAM

MISS PATACH, Advisor

The University of Nebraska at Omaha cooperates with the University of Nebraska School of Allied Health Professions at the Medical Center in Omaha in offering the pre-physician’s assistant curriculum which satisfies needed college hours for the Bachelor of Science program.

PRE-BACCALAUREATE CURRICULUM

FIRST YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>*English 111</td>
<td>*English 112</td>
</tr>
<tr>
<td>Biology 102</td>
<td>Biology 175</td>
</tr>
<tr>
<td>Chemistry 104 and 1041</td>
<td>Chemistry 124 and 1241</td>
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<tr>
<td>Psychology 101</td>
<td>Psychology 102</td>
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<td>3</td>
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Summer Sessions

<table>
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<tr>
<th>First Session</th>
<th>Second Session</th>
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</thead>
<tbody>
<tr>
<td>Mathematics 121</td>
<td>Electives</td>
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<tr>
<td>Electives</td>
<td>3</td>
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<td>3</td>
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*Electives may be substituted if proficiency is established by examination.
Suggested electives: Courses in Sociology, Speech, Logic, Introduction to Statistics and other Humanities and Social Sciences are suggested. Graduates of this program work under the supervision of physician and aid the physician in carrying out his patient care responsibilities. See the University of Nebraska School of Allied Health Professions Bulletin for more information.

**PRE-RADIOLOGIC TECHNOLOGY PROGRAM**
**MISS PATACH, Advisor**

The University of Nebraska at Omaha cooperates with the University of Nebraska Division of Radiology in the School of Allied Health at the University of Nebraska Medical Center in Omaha in offering a pre-radiologic Technologist curriculum which satisfies needed college hours for the Baccalaureate and the Associate degree programs.

**PRE-BACCALAUREATE CURRICULUM**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td><em>English 111 or Speech 101</em>................................. 3</td>
<td>*English 112 or Speech 211................................. 3</td>
</tr>
<tr>
<td>Biology 102.................................................. 5</td>
<td>Biology 214.................................................. 3</td>
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<tr>
<td>Psychology 101................................................ 3</td>
<td>Psychology 102.............................................. 3</td>
</tr>
<tr>
<td>Economics 201............................................... 3</td>
<td>Economics 202.............................................. 3</td>
</tr>
<tr>
<td>................................. 14</td>
<td>Principles of Adult Education FED 481........................ 3</td>
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<tr>
<th>SECOND YEAR</th>
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<tbody>
<tr>
<td>Sociology 101................................................. 3</td>
</tr>
<tr>
<td>Audio-visual materials FED 486............................. 3</td>
</tr>
<tr>
<td>Adult Group Leadership FED 482............................ 3</td>
</tr>
<tr>
<td>Intro. to Business BA 128..................................... 3</td>
</tr>
<tr>
<td>Management MGT 349......................................... 3</td>
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<td>................................. 15</td>
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<table>
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<tr>
<th>ASSOCIATED DEGREE CURRICULUM</th>
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<tbody>
<tr>
<td><em>English 111 or Speech 101</em>................................. 3</td>
</tr>
<tr>
<td>Psychology 101.......................... 3</td>
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<tr>
<td>Biology 102........................................... 5</td>
</tr>
<tr>
<td>Sociology 101.......................... 3</td>
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*Electives may be substituted if proficiency is established by examination.


Graduates of either degree are eligible for examination by the American Registry of Radiologic Technologists which grants the right to use the title “Registered Technologist” upon successful completion of the examination. See the University of Nebraska Division of Radiology catalog for further information as the programs are undergoing extensive revision or the catalog of the school of your choice.

**GENERAL SCIENCE**

Advisors: PRIOR, MARQUARDT, McMILLAN

A major in general science consists of Chemistry 118-118L-119-119L, Physics 111-111L, 112-112L or 211-211L, 212-212L, Mathematics 143-153 or Calculus I.
Biology 102 and 145 or 175, Geology 117, plus 12-14 credit hours of advanced courses to attain a total of 42-45 hours of credit in the natural sciences.

A teaching field consists of Chemistry 118-118L-119-119L, Physics 111-111L-112-112L or 211-211L-212-212L, Geology 117, Biology 102 and Biology 145 or 175.

ADVANCED PLACEMENT

Upon recommendation of the appropriate Department Chairman the Educational Policy Committee of the College of Arts and Sciences may grant exemptions from the 125-hour requirement for graduation to a maximum of 24 hours. Such recommendations will normally be based on a student’s performance in the Advanced Placement Examination of the College Entrance Examination Board but may be based on other evidence of advanced work presented by the student. Department Chairman may, at their discretion, accept students for advanced placement without credit or exemption from credit.

BIOLOGY

PROFESSORS: PRIOR (Chairman), BROOKS, BUSCH, LUNT
Associate Professors: DEGRAW, INGHAM, SHARPE, SUTHERLAND
Assistant Professors: NORDAHL, O’DELL, PATACH, STASIAK, WEBER
Instructors: FAWCETT, TODD

A Bachelor of Arts degree in biology consists of 36-45 hours of biology courses of which 18 hrs. must be 300-400 level courses. The required courses are Biology 102, 145, and 175. The remaining elective hours in biology must be scheduled and approved by the Department Advisors. Also required are either Chemistry 104, 124, 365; or 118, 119, 225, 226; and Physics 102 or 111, 112 or 211, 212. One laboratory course in Geology or Physical Geography as well as an approved course in Calculus, Statistics, Logic, or Computer Science are strongly recommended.

A teaching field consists of Biology 102, 145, 175, and 9 hours of biology electives. Chemistry 104, 124, or 118, 119.

A Bachelor of Science degree in biology consists of 36-45 hours of biology courses of which 18 hrs. must be 300-400 level courses. A foreign language is not required, but in lieu thereof a student must take 9 hours of approved courses in mathematics and computer science. The required courses are Biology 102, 145, 175, 214, 334, 423; a selection of one course from Biology 414, 444, or 474; one additional course in Botany, and one course in Zoology. Also required are either Chemistry 104, 124, 365; or 118, 119, 225, 226; and Physics 105, or 111, 112, or 211, 212. Laboratories must be taken with these courses.

One laboratory course in Geology or Physical Geography is strongly recommended.

Requirements of the General Sciences major are on page 80.

All courses in Biology have both lecture and laboratory unless otherwise indicated.

100 Introduction to Careers in the Health Field

A course designed to introduce students to the many diversified opportunities in the Health Field, the personal and educational requirements for the various careers, and selected experiences to assist the student in deciding on a Health Field career. Prereq: None.
*102 **Principles of Biology**  
An intellectual, esthetic, and scientific approach to the complexities of living things and their interrelationships in nature. Prereq: None.

125 **Ecology, Environment, and the Engineer**  
(1 credit hour laboratory is optional) A study of the relationship between man and his environment with emphasis on the changing ecosystem accompanying developing engineering technology. Cross listed with Civil Engr. 125. Prereq: None.

*145 **General Botany**  
A comprehensive treatment of classical botany combined with recent developments. Prereq: Biology 102 or advanced placement.

*175 **General Zoology**  
A study of the animal kingdom from the standpoint of morphology, anatomy, physiology, biochemistry, genetics, embryology, evolution, and ecology. Prereq: Biology 102 or advanced placement.

214 **Genetics**  

244 **The Biology of Microorganisms**  
A comparative study of microorganisms, principles and applications with emphasis on bacteria. Prereq: Biology 102, 145, 175, or permission from instructor.

274 **Physiology and Anatomy I**  
Structure and function of the cell, and the nervous, skeletal, and muscle systems as well as necessary aspects of chemistry, physics, embryology, histology and genetics. Prereq: High school or college biology or zoology and high school or college chemistry.

284 **Physiology and Anatomy II**  
Structure and function of the circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems and electrolyte balance. Prereq: Biology 274.

285 **Comparative Anatomy of Vertebrates**  
A comparison of the structure and evolution of the body systems of vertebrate animals. Lab work will include dissection of selected vertebrate types. Prereq: Biology 175.

301 **Undergraduate Seminar in Biology**  
A study of current and past research in any of the divisions of biology

*A student may be exempted from Biology 102, Biology 145, and Biology 175 by achieving a suitable examination score as determined by the Department of Biology. The examinations are given by the Student Testing and Counseling Center.*
as determined by current interest and desirability. Prereq: Biology major or minor.

312 Biological Materials and Laboratory Procedures  2 hours
Experiences in assembling materials and equipment necessary to conduct laboratory exercises in biology. Special emphasis is given to the use of materials and equipment to be used in biology projects and research. Prereq: Biology teaching major or permission. Biology 145, 175.

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

334 (834.J) Ecology  4 hours
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; Junior-Senior.

334 (844.J) Morphology of Lower Plants  4 hours
A lecture and laboratory course which covers the ecology, morphology, and evolutionary trends of algae, fungi, and bryophytes. Prereq: Biology, 145; Junior-Senior.

353 (853.J) Flora of the Great Plains  3 hours
The classification, identification, and recognition of common vascular plants, including weeds, ornamentals, and indigenous plants, found in the Great Plains. Prereq: Biology 145; Junior-Senior.

354 (854.J) Morphology of Higher Plants  4 hours
A lecture and laboratory course covering the living and fossil vascular plants with emphasis on morphology, ecology, and evolutionary trends. Prereq: Biology 145; Junior-Senior.

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

373 (873.J) Fauna of the Great Plains  3 hours
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, Biology 175; Junior-Senior.

374 (874.J) Histology  4 hours
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 from instructor; Junior-Senior.
384 (884J) **Embryology**
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; Junior-Senior.

402 **Problems and Projects in Biology**
Individual field and laboratory work of an investigational nature involving research, library research, conferences, and a written report. Prereq: At least two years of work in biology; written permission of biology advisor; Junior-Senior.

414 (814M) **Cellular Biology**
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. Junior-Senior.

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

423 (823M) **Organic Evolution**
A study of organic evolution in terms of evidences which support the theory and the mechanisms involved in the process. Prereq: Biology 214. Junior-Senior. Lecture and discussion only.

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

433 (833M) **Bryology**
A course in the identification, classification, ecology, and distribution of bryophytes. Prereq: Biology 344 or permission of the instructor. Junior-Senior.

434 (834M) **Ichthyology**
A study of the biology of fishes, including their evolution, anatomy, physiology, ecology, distribution, classification and identification with emphasis on North American freshwater fishes. Prereq: Biology 175. Junior-Senior.

443 (843M) **Mycology**
444 (844M) **Plant Physiology** 4 hours
A study of plant processes and functions with emphasis on photosynthesis, growth and development, metabolism and mineral nutrition. Prereq: Biology 145; organic chemistry; or permission of the instructor. Junior-Senior.

454 (854M) **Taxonomy of Vascular Plants** 4 hours
Classification of vascular plants with particular emphasis on the evolution and adaptations of selected families and with discussion of experimental techniques used by the taxonomist. Prereq: Biology 145. Junior-Senior.

464 (864M) **General Bacteriology** 4 hours
The nature of microorganisms, their life processes, their biologic and economic significance. Prereq: Biology 145, organic chemistry, or permission. Junior-Senior.

472 (872M) **Experimental Endocrinology** 2 hours
Laboratory studies of the functions of the endocrine system emphasizing experimental techniques and laboratory experience. Prereq: A course in endocrinology or concurrent registration in Biology 473 (873M), or permission of instructor. Junior-Senior.

473 (873M) **Endocrinology** 3 hours
A survey of endocrine physiology stressing the regulative and integrative roles of hormones, the control of hormone secretion, and mechanisms of hormone action. Prereq: Organic Chemistry, Vertebrate Anatomy, and Physiology or permission of the instructor. Junior-Senior.

474 (874M) **Animal Physiology** 4 hours
A comprehensive study of animal function emphasizing mechanisms of regulation and control. Prereq: Biology 175, vertebrate anatomy, organic chemistry, and physics, or permission of instructor. Junior-Senior.

478 (878M) **Vertebrate Zoology** 4 hours
A study of the general biology of the subphylum Vertebrata including the morphology, anatomy, physiology and ecology of vertebrate representatives. Prereq: Biology 175. Junior-Senior.

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

488 (888M) **Invertebrate Zoology** 4 hours
A field-oriented course emphasizing the taxonomy and natural history of the invertebrate animals. Prereq: Biology 175. Junior-Senior.
492 (892M)  **Parasitology**  4 hours
Taxonomy, morphology, physiology, life history, dissemination, and control of the parasitic protozoans, helminths, and arthropods. Prereq: Biology 175.

494 (894M)  **Entomology**  4 hours
The study of insects, their classification, morphology, physiology, behavior, life histories, ecology, and evolution. Prereq: Biology 175; Junior-Senior.

498 (898M)  **Ornithology**  4 hours
An introduction to the general biology of birds, including their anatomy, physiology, behavior, ecology, classification and identification with emphasis on North American groups. Prereq: Biology 175; Junior-Senior.

801V  **Seminar in Biology**  1 hour
A study of current research in any of the divisions of biology. Graduate students in biology must complete this course twice for credit. Prereq: Graduate standing.

802V  **Problems in Biology**  2 hours
Research investigation in various areas of biology. Prereq: Sufficient work in biology and the ancillary sciences necessary to pursue adequately the area of investigation involved.

804V  **Current Topics in Biology**  2 hours
Survey of recent literature in one or more of the following areas of Botany: Physiology, Morphology, Anatomy, Ecology, Taxonomy, Economic Botany, Genetics, Phytogeography.

805V  **Current Topics in Microbiology**  2 hours
Survey of recent literature in one or more of the following areas of Microbiology: Morphology and Development, Physiology, Genetics, Taxonomy, Ecology, Medical Microbiology and Immunology, Virology, and Food and Industrial Microbiology.

806V  **Current Topics in Zoology**  2 hours
Survey of the recent literature in one or more of the following areas of Zoology: Taxonomy, Morphology- Anatomy, Ecology, Physiology, Behavior, Zoogeography, Genetics.

813V  **Environmental Biology**  3 hours
A study of the recent advancements in environmental biology, concentrating on the areas of population dynamics, community interaction and ecosystems theory. Readings, discussions, laboratory, and a written report. Prereq: Graduate standing in Biology and/or permission of instructor.

816V  **Experimental Genetics**  3 hours
Lecture and laboratory involving experimentation with organisms
such as Drosophila spp., Neurospora spp., E. Coli and T4 phage. Prereq: Biology 214.

818V **Biosystematics** 3 hours
A study of principles and techniques in animal and plant biosystematics. The course will focus on the species problem and upon the experimental investigation of the problem. Readings, discussions, laboratory, and a written report. Prereq: Graduate standing in Biology and permission of the instructor.

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

833V **Advanced Topics in General Physiology** 3 hours
Studies in general physiology including such topics as photophysicsiology, hormonal regulation of metabolic pathways, temperature-related phenomena, and cytogenetic physiology. Lecture, laboratory, and written report. Prereq: Graduate standing in Biology and permission of instructor.

873V **Environmental Physiology** 3 hours
A detailed study of selected dynamic environmental factors and mechanisms of physiologic adaptation by organisms of various taxa. Prereq: General Physics, Algebra, Animal Physiology, or permission of instructor. Graduate.

899 **Thesis** 1-6 hours
Independent research project written under the supervision of a faculty committee.

**BLACK STUDIES**

Associate Professor: ANTHONY-WELCH
Instructors: OKON, and SANDERS

Black Studies have evolved into a strong academic discipline which emphasizes scholastic excellence. The Department has progressed from a socio-political awareness source of study, to an analytical, comparative and interpretive discipline. Black Studies is a creative expressive force in the community.

A major in Black Studies will earn a Bachelor of Arts degree after a successful completion of thirty-six (36) credit hours in Black Studies. The following courses, which comprise Black Studies requirements, are required of all majors and minors who are expected to obtain at least an average grade of “C”:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Black Studies</td>
<td>100</td>
</tr>
<tr>
<td>Bl. St.</td>
<td>112</td>
</tr>
<tr>
<td>Bl. St.</td>
<td>210 or 312</td>
</tr>
<tr>
<td>Bl. St.</td>
<td>241 or 242</td>
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</tbody>
</table>
Bl. St. ........................................ 251 or 402
Bl. St. ........................................ 300
Bl. St. ........................................ 313
Bl. St. ........................................ 403

Twelve (12) hours electives may be chosen from any of the Black Studies Courses. Introduction to Black Studies is a requirement for all majoring & minoring in Black Studies.

100 **Introduction to Black Studies**

110 **Black Culture: Implication and Application**
Informal discussions of cultural patterns developed by Afro-Americans with special emphasis on music. Prereq: None.

122 **Law in The Black Community**
Justice relative to the Black community experience; the sociology of crime, enforcement and penology, including attention to the political prisoner.

161 **Life in Black America: A Psychological Analysis**
Particular attention to contrasts with the general American sources of cognition and enculturation.

200 **The Black Experience in the Social Sciences**
Review, analysis and evaluation of the research literature oriented toward the field of Black Studies. Special attention will be given to historical, theoretical and methodological considerations.

210 **Afro-American Political Thought**
A survey and analysis of the effects of the processes of inter-group conflict cooperation and conciliation in shaping the dominant political society from colonial times to the present.

213 **Patterns of African Leadership**
The course will deal with the profiles of selected African and African-American leaders, their personality, background, ideology and political strategies for ruling their countries or movements.

216 **Characteristics of African Community Organization**
This course examines the impact of African cultural duality on community organization and political effectiveness and cross-culturally compares it with a similar phenomenon of Black American communities.

223 **Black Student Politics**
The revolution in educational philosophy brought about by revolutionary consciousness of Black students in the struggle for social rele-
vancy innovativeness, cultural presentation and community linkage, including the impact on the school system as a whole. Prereq: None.

225 **The Short Story (Emphasis on Black Writers)**—
(Same as English 225) 3 hours
Reading in the modern short story, with particular attention to literature as a reflection of life and to form an outgrowth of content. Prereq: English 112 or Proficiency.

235 **Black Literature in America 1746-1939 (Same as English 235)** 3 hours
This course traces the development of Black literature from 1746 to 1939. Included will be a study of four genres — poetry, short story, novel and drama. Trends to be studied will include early Black writers, Neo-classic and Romantic traditions, and the Harlem Renaissance and Depression Era schools of thought. Prereq: English 112 or placement.

236 **Black Literature in America 1940-present (Same as English 236)** 3 hours
This course traces the development of the literary contribution that Black Americans have made from 1940 to the present. Included will be a study of four genres — poetry, short story, novel, and drama. Trends to be studied include the movement toward literary assimilation in the 1940's-1950's and the subsequent movement toward Black art in the 1960's to the present. Prereq: English 112 or placement.

241 **Black History to 1865** 3 hours
A history of Black Americans from the Middle Passage to the Civil War with its accompanying economic, psychological and legal implication. Prereq: Intro to Black Studies.

242 **Black History Since 1865** 3 hours
A history of Black Americans from Reconstruction to the present day with its economic, psychological, and legal implication and how it manifests itself in the lives and thoughts of Black Americans. Prereq: BLST 241.

250 **Soul Choir in the Black Experience** 1 hour
This course is designed to provide those interested in Black music, who have an aptitude for singing, an opportunity for expression through a basic art form, broadening their musical knowledge and appreciation in the process. Prereq: None.

251 **Black Music in Social Perspective** 3 hours
The course will examine the origin and deeper meanings of the Black man's music as an oral cultural history.

273 **A History of Black Religious Thought Since 1900** 3 hours
An overview of contemporary Black religious thought with backward glimpses into the fundamental religious development of the Black American since 1900.
283 **Contemporary Novel (Emphasis on Black Writers)** 3 hours
(Same as ENG 283)
A study of some of the most important ideas and techniques of the novel as genre, using primarily the Black-authored novel. Prereq: 112 or proficiency.

300 **Survey of Black Education** 3 hours

311 **African Culture in the Black American Social Experience** 3 hours
Group relationships of East and West African society as these are observed to be residual in the African-American experience. Prereq: None.

312 **Black Politics** 3 hours
A survey of the African-American quest for liberation within and outside the orthodox political system of the United States with a focus on the institutional and structural arrangements which have denied liberation and prescriptions for meaningful change.

313 **African Civilizations** 3 hours
The exploration of the distinctive features of indigenous African civilizations, their particular style, realm of excellence in human activity, and the causes of the decline. Prereq: none.

321 **Cultures of African People (Same as Anthropology 321)** 3 hours
An introduction to cultures and societies of Africa. Analysis of kinship systems; political, economic and religious institutions; social change. Emphasis on the dynamics of social organization of African peoples. Prereq: Anthropology 105 or consent of instructor.

322 **Contemporary Black History** 3 hours
An indepth view of the history of Black Americans from the Brown v. Board of Education Decision (1954) to the present, with accompanying dejure and defacto implication.

330 **International Relations of Black America** 3 hours
The Black "Nation" in America and world affairs, both in the traditional setting of United States foreign policy and the special arrangements made necessary by the global tide of nationalism. Prereq: Consent of instructor.
398 **Special Topics in Black Studies**
Intensive research into specific but unrelated topics germane to the Black experience. Since the topics are of a variable nature, this course may be repeated for credit as long as the topics are different. Prereq: Junior standing or permission of instructor.

399 **Comparative African and African-American Institutions**
A general survey of the overlapping and distinguishing features of African and African-American institutions as they respond to the impact of enculturation.

400 **Special Topics Seminars: Humanities and the Black Experience**
The Special Topics: Humanities and the Black Experience would be a group of seminars presented by scholars of various disciplines related to Black Studies. From these special seminars we would produce the first monographs of the Black Studies Department, which would institute a monograph series, becoming yearly publication. Prereq: None.

401 **The Black Woman: A Historical Perspective**
A comprehensive study of the Black Woman historically; viewing the total Black Woman from the beginning of time to the present day. Prereq: None.

402 **The Black Experience I: Humanities**
A comprehensive survey of the Afro-American cultural background; its development, style, and expression through art and literary forms. Introducing research literature used to explain Afro-American psychological, sociological and political behavior. Presenting teaching methodology. Prereq: 241 or 311 or permission of professor.

403 **The Black Experience II: Social Sciences**
A survey of basic research design and methodology used by the social sciences when studying Black people. Emphasis on the application of social, political, organizational, and business theory to the special problems of the Black community. Will include field experience. Prereq: BLST 402 or permission of the instructor.

450 **International African Community Field Research**
(Same as Political Sciences 450)
Comparative political culture 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: Permission of instructor.

850M **International African Community Field Research**
Comparative political culture 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

PROFESSORS: MARQUARDT (Chairman), KEPEL, LINSTROMBERG, STAGEMAN

Associate Professors: HOBURG
Assistant Professors: KEMNITZ, THURMAN, WOOD, SULLIVAN
Assistant Instructors: BIETERMAN, LINDER

The chemistry department, which is approved by the American Chemical Society, offers the B.S. Degree in Chemistry for chemistry majors planning to be career chemists and/or to take graduate work. The program consists of 42 to 49 credit hours: Chemistry 118, or 115 and 116, 119, 225, 226, 335, 336, 340, 450, and the associated laboratories are required; 11 to 18 credit hours are selected from Chemistry 240, 325, 326, 370, 423, 424, 451, 465, 466, 499, and the associated laboratories. At least two semesters of calculus (195-196), one year college physics (211-212), and a reading knowledge of Russian or German* must be included in the supporting subjects. Graduates with the B.S. Degree are certified by the American Chemical Society.

A Bachelor of Arts in Chemistry primarily intended for the teachers of chemistry, pre-professionals, chemical technologists, and chemistry majors not planning to take graduate work consists of 28-32 hours of chemistry. The required courses are Chemistry 118, or 115 and 116, 119, 225, 226, 240, and a complete course in Physical Chemistry. Additional hours may be selected from Chemistry 365, 340, 450, 423, and 424. Mathematics through Math 195 must be included in the supporting subjects as well as a foreign language and one year of college physics.

High school students who have had the equivalent of college level courses in chemistry should consult with the department chairman about modifying the suggested plans of study.

101 Chemistry in the Environment and Society 3 hours
A survey of the relationship of chemistry to current problems in environment control. May be used to partially meet the natural science requirement. A student receiving credit in Chemistry 101 may not receive credit for Chemistry 104 or 115. Prereq: High School algebra or Math 114 and physical science or Physics 101.

104 College Chemistry 4 hours
Lecture three hours and discussion one hour. Designed primarily for students in biology, home economics, elementary science education, nursing and allied fields, and for students to partially meet the natural science requirement. Chemistry 104L to be taken concurrently. Prereq: High School algebra or Math 121.

104L College Chemistry Laboratory 1 hour
General Chemistry laboratory for Chemistry 104. Prereq: Chemistry 104 to be taken concurrently.

115 Introductory General Chemistry 3 hours
A general chemistry course covering the same material as the first half of Chemistry 118, designed for students who do not have the high school prerequisites to enter directly into Chemistry 118. Prereq: High school algebra or Math 121.

*Usually 2 years of college German or Russian.
116 **Introductory General Chemistry** 2 hours
Second semester of Introductory General Chemistry, completing the material covered in Chemistry 118. Normally taken concurrently with Chemistry 118L. Chemistry 118 or the sequence Chemistry 115-116 prepare the student to take Chemistry 119. The satisfactory completion of Chemistry 116 is therefore equivalent to the satisfactory completion of Chemistry 118, so a student may not receive credit towards graduation for both Chemistry 115-116 and Chemistry 118. Prereq: Chemistry 115 with a grade of C or higher, or Chemistry 118 with a grade of D.

118 **General Chemistry and Qualitative Analysis** 3 hours
A comprehensive survey of chemical principles primarily for students planning a professional course. It is assumed that all students will have a good background in elementary chemical principles. Prereq: High school chemistry with a grade of C or above and high school algebra or Mathematics 121. High school physics or one semester of college physics is recommended.

118L **General Chemistry and Qualitative Analysis Laboratory** 1 hour
General chemistry laboratory for Chemistry 116 or 118, to be taken concurrently with Chemistry 116 or 118.

119 **General Chemistry and Quantitative Analysis** 3 hours
A study of acid-base theory, ionic equilibria, oxidation-reduction, and statistics as applied to quantitative analysis. Normally taken concurrently with Chemistry 119L. Prereq: Chemistry 116 or 118 with a grade of C or higher.

119L **General Chemistry and Quantitative Analysis Laboratory** 1 hour
Quantitative analysis laboratory normally taken concurrently with Chemistry 119. Prereq: Chemistry 118L with a grade of C or higher, and Chemistry 119 (may be taken concurrently).

124 **Elementary Organic Chemistry** 4 hours
Chemistry of carbon compounds. A one-semester terminal course. Chemistry 124L to be taken concurrently. Prereq: Chemistry 104, 104L or 119, 119L.

124L **Elementary Organic Chemistry Laboratory** 1 hour
Elementary Organic Chemistry Laboratory to be taken concurrently with Chemistry 124. Prereq: Chemistry 104, 104L or 119, 119L.

225 **Organic Chemistry** 3 hours
The fundamental chemistry of the carbon compounds. Prereq: Chemistry 119, 119L with a grade of C or better.

225L **Organic Chemistry Laboratory** 1 hour
A laboratory course to accompany Chemistry 225. Prereq: Chemistry 225 to be taken concurrently.
226 Organic Chemistry
A continuation of the study of the carbon compounds. Prereq: Chemistry 225, 225L.

226L Organic Chemistry Laboratory
A laboratory course to accompany Chemistry 226. Prereq: Chemistry 225, 225L with a grade of C or better. Must accompany or be preceded by Chemistry 226.

240 Quantitative Analysis
Theory of Quantitative analysis applied to gravimetric and volumetric analysis; theory of error and evaluation of analytical data; introduction to instrumental analysis. Normally taken concurrently with Chemistry 240L. Prereq: Chemistry 119 with a grade of C or above or equivalent.

240L Quantitative Analysis Laboratory
Laboratory to accompany Chemistry 240. Normally taken concurrently with Chemistry 240. Prereq: Chemistry 119L with a grade of C or above or equivalent; Chemistry 240 (may be taken concurrently.)

325 Advanced Organic Laboratory
Advanced course in laboratory practices. Prereq: Chemistry 226, 226L.

326 Advanced Organic Laboratory
A continuation of Chemistry 325. Prereq: Chemistry 226, 226L.

330 Physical Chemistry
A one semester survey course in physical chemistry. Topics covered include: gases, thermodynamics, solutions, chemical equilibrium, electrochemistry, chemical kinetics and atomic structure. This course is not applicable toward the B.S. degree in chemistry. Prereq: Chemistry 226, 226L, 240, 240L. Physics 212 and Math 195.

330L Physical Chemistry Laboratory
A laboratory course in physical chemistry. This course should be taken concurrently with Chemistry 330 and is not applicable toward the B.S. degree in chemistry.

335 (835J) Physical Chemistry
A presentation of selected topics from the areas of quantum mechanics, classical thermodynamics, statistical mechanics. Prereq: Chemistry 226, 226L, 240, 240L. Physics 212; Math 196.

335L (835JL) Physical Chemistry Laboratory

336 (836J) Physical Chemistry
A presentation of selected topics from the areas of classical thermodynamics, statistical mechanics and chemical kinetics. Prereq: Chemistry 335.
336L  (836JL)  **Physical Chemistry Laboratory**  1 hour
Physical Chemistry Laboratory. Chemistry 336L should be taken concurrently with Chemistry 336. Prereq: Chemistry 335L.

340  (840J)  **Instrumental Analysis**  2 hours
Instrumental methods of quantitative analysis. Normally taken concurrently with Chemistry 340L. Prereq: Chemistry 336 (may be taken concurrently.)

340L  (840JL)  **Instrumental Analysis Laboratory**  2 hours
Laboratory to accompany Chemistry 340. Normally taken concurrently with Chemistry 340. Prereq: Chemistry 340 (may be taken concurrently.)

365  **Elementary Biochemistry**  3 hours
An introduction to the components and reactions of living matter. Chemistry 365L to be taken concurrently with 365. Prereq: Either Chemistry 124, 124L or 226, 226L with a C or better; Biology 245 recommended.

365L  **Elementary Biochemistry Laboratory**  1 hour
Elementary Biochemistry Laboratory for Chemistry 365. To be taken concurrently with Chemistry 365. Prereq: Chemistry 124, 124L or 226, 226L.

366  **Elementary Biochemistry**  3 hours
A continuation of Chemistry 365. Prereq: Chemistry 365, 365L.

366L  **Elementary Biochemistry Laboratory**  1 hour
Elementary Biochemistry Laboratory for Chemistry 336. Laboratory optional but restricted to those showing credit in Chemistry 119, 119L and should be taken concurrently with Chemistry 366.

370  (870J)  **Radiochemistry**  2 hours
A survey of the basic principles of radiochemistry and their application in the fields of biology, chemistry and medicine. Chemistry 370L to be taken concurrently. Prereq: Chemistry 226, 226L.

370L  (870JL)  **Radiochemistry Laboratory**  2 hours
Introductory radiochemical laboratory for Chemistry 370. Prereq: Chemistry 370 to be taken concurrently.

423  (823M)  **Advanced Organic Chemistry**  3 hours
An advanced lecture course in modern theories and special topics in organic chemistry. Prereq: Chemistry 226, 336.

424  (824M)  **Advanced Organic Chemistry**  3 hours
450  (850M)  Advanced Inorganic Chemistry  3 hours
Theories of chemical bonding, the determination of chemical
structures, and the application of modern chemical theory to classical
and recent problems in inorganic chemistry. Prereq: Chemistry 336
(may be taken concurrently.)

451  (851M)  Advanced Inorganic Preparations  1-2 hours
Laboratory preparation of representative types of inorganic
compounds by various standard and special experimental techniques.
Prereq: Chemistry 450 (may be taken concurrently.)

465  (865M)  Biochemistry  3 hours
Chemistry and Biochemistry of proteins, carbohydrates and lipids.
Enzymes and Energetics. Biological Oxidation. Not open to students
with credits in 365 or 366. Chemistry 465L must be taken concurrently
with Chemistry 465. Prereq: Chemistry 226, 226L and 336, 336L.

465L. (865ML)  Biochemistry Laboratory  1 hour
Biochemistry laboratory for Chemistry 465. Chemistry 465 and 465L
must be taken concurrently.

466  (866M)  Biochemistry  3 hours
Continuation of Chemistry 465. Chemistry 466L must be taken
concurrently with 466. Prereq: Chemistry 465, 465L.

466L. (866ML)  Biochemistry Laboratory  1 hour
Biochemistry laboratory for Chemistry 466. Prereq: Chemistry 465,
465L.

499  (899M)  Chemistry Problems  1-3 hours
Independent student research. Prereq: Permission of instructor.

599  (899V)  Research in Chemistry  Arranged
Provides the student with an opportunity for experience in the solving
of an actual research problem in the field of chemistry. Prereq:
Permission of the instructor, graduate standing and an undergraduate
chemistry major (not less than 32 hours.)

ECONOMICS

PROFESSORS: HARRIS (Chairman), STEELE, KAYSER
Associate Professors: STOLEN, TURNER
Assistant Professors: ANTHES, BETTER, CONNELL, JOY,
KERCHNER, TUSH, WATANABE, WEST

BACHELOR OF ARTS

A student in the College of Arts and Sciences may take a Bachelor of Arts
Degree with a major in Economics by meeting the Arts and Sciences general
requirements and by completing the following minimum program in the Economics
Program of the College of Business Administration. (See the College of Business
Administration for a complete list of courses in Economics page 201).
A Bachelor of Arts in Economics consists of a minimum of 30 semester hours. The following specific courses are required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Econ. 201-2</td>
<td>6 hours</td>
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<tr>
<td>Econ. 320</td>
<td>3 hours</td>
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<tr>
<td>Econ. 322</td>
<td>3 hours</td>
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<tr>
<td>B A 313</td>
<td>3 hours</td>
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<tr>
<td>300 or 400-level</td>
<td>9 hours</td>
</tr>
<tr>
<td>400-level</td>
<td>6 hours</td>
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<tr>
<td>Principles of Economics</td>
<td>30 hours</td>
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<tr>
<td>Economic Theory</td>
<td>Micro</td>
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<tr>
<td>Economic Theory</td>
<td>Macro</td>
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<tr>
<td>Business Statistics</td>
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<tr>
<td>Economic electives</td>
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<td>Economic electives</td>
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<td>Total</td>
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**BACHELOR OF SCIENCE IN ECONOMICS:**

A student in the College of Arts and Sciences may take a Bachelor of Science in Economics by meeting the Arts and Sciences general requirements except for the requirement of foreign language. In lieu, thereof, a student must take 8 hours of mathematics in addition to the general college requirements. To partially fulfill this requirement, a student must take Mathematics 195 (Calculus I) or its equivalent. The student is required to take a minimum of 36 hours in the Economics Program of the College of Business Administration (see that college for a complete list of Economics courses page 201).

The following Economics courses are required for the Bachelor of Science in Economics:

<table>
<thead>
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<tr>
<td>Econ. 201-2</td>
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<tr>
<td>B A 313</td>
<td>3 hours</td>
</tr>
<tr>
<td>300 or 400-level</td>
<td>15 hours</td>
</tr>
<tr>
<td>400-level</td>
<td>6 hours</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>36 hours</td>
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<tr>
<td>Economic Theory</td>
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<tr>
<td>Economics electives</td>
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<tr>
<td>Total</td>
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</tbody>
</table>

**ENGLISH**

**PROFESSORS: BAKER, JEFFERIS CHAIR OF ENGLISH; HARPER; LANE; NEWKIRK; WARDLE (Emeritus)**

Associate Professors: BRESSLER, WALSH

Assistant Professors: DETISCH, GRIESEL, LEAVITT, MARKEL, McKENNA, McLELLAN, NICKLIN, QUERY, RUSSELL, SALTZMAN, SMITH, TURNER

Instructors: HALGARD, PETERSON, RAABE, REGIER, ROSCH, THOMPSON

Students who elect to major in English literature must pass, as prerequisites, English 231 and 232. History 261 and 262, and either English 245 and 246 or English 251 and 252. To complete the requirements for the major they must pass, with a grade of "C" or above, one course (or the equivalent) from each of the following groups:

(a) English 468
(b) English 434 or 472
(c) English 433, 448, or 450
(d) English 460
(e) English 440, 441, or 465
(f) English 481 or 482
(g) English 283, 285, 333, 360, or 495
(h) English 353

(A maximum of 6 hours of English 398 may be substituted for other requirements upon approval by the department chairman.)
Students who elect a major in American literature must pass, as prerequisites, English 245 and 246, History 111 and 112, and either English 231 and 232 or English 251 and 252. To complete the requirements for the major, they must pass with a grade of “C” or above, one course (or the equivalent) from each of the following groups:

(a) English 468  (e) English 497  
(b) English 460  (f) English 498  
(c) English 440, 441, or 465  (g) English 283, 285, 333, 360 or 495  
(d) English 481 or 482  (h) English 353

(A maximum of 6 hours of English 398 may be substituted for other requirements upon approval by the department chairman.)

Students who elect a major in Creative Writing must pass, as prerequisites, English 231 and 232, English 240, and English 246. To complete the major, they must pass, with a grade of “C” or above, one course (or the equivalent) from each of the following groups:

(a) English 331  (e) English 460  
(b) English 421  (f) English 440, 441, 465, or 497  
(c) English 434 or 472  (g) English 481 or 482  
(d) English 422  (h) English 283, 285, 333, 360 or 495

Students who choose English as their major field for secondary teaching may elect (1) either of the first two majors described above, in which case, they must satisfy the requirements for the Secondary Teaching Certificate, or (2) a major in the College of Education, in which case, they must pass, as prerequisites, English 231 and 232, History 261 and 262, English 245 and 246, and English 240. They must also pass, with a grade of “C” or above, one course (or the equivalent) from each of the following groups:

(a) English 468  (d) English 225, 283, or 285  
(b) English 460  (e) English 353  
(c) English 481, 482, or 497

Students who choose English as their minor field for secondary teaching must pass, as prerequisites, English 231 and 232, and English 245 and 246. In addition, they must pass with a grade of “C” or above, English 353, English 468, and nine hours in English courses above the freshman level (not more than three of which may be at the 200-level).

90 English Fundamentals  
Basic review of grammar, usage, sentence structure, paragraph, building, punctuation, and spelling; plus work in vocabulary building.  
3 hours

105 Reading Improvement  
Beginning course designed to help students improved comprehension, increase reading speeds, establish proper study techniques, and develop vocabulary.  
1 hour

* Credit not allowable toward degrees.
110  **English as a Second Language**  3 hours
The study of pronunciation and phonetics; written composition, reading and vocabulary; and aural comprehension — designed to prepare the student of foreign birth for subsequent work in English. Prereq: Permission.

111  **Elementary English Composition**  3 hours
The minimum essentials of correct writing. Prereq: English 090 or placement exam.

112  **Intermediate English Composition**  3 hours
The theory and practice of correct, clear, and effective writing and of intelligent reading. Prereq: English 111 or placement exam.

200  **Current Topics in Language and Literature**  1-3 hours
This course is designed to offer a variety of topics to appeal primarily to the non-major. One or two such topics may be offered each term, depending upon current student interest and available faculty. Students should consult each term’s class schedule in order to determine the specific topics for that term.

205  **Advanced Reading Improvement**  1 hour
An advanced course for students who have potential to improve their reading speeds without significant loss of comprehension.

225  **The Short Story**  3 hours
Readings in the modern short story, with particular attention to literature as a reflection to life and to form as an outgrowth of content. Prereq: English 112 or proficiency.

227  **Introduction to Poetry**  3 hours
An analysis of poetry from a great variety of periods in the Anglo-American tradition, proceeding from analysis of various poems and poetic techniques to critical judgment of many different types of poems.

231  **Introduction to English Literature**  3 hours
Major contributions to English literature from Beowulf to Swift. Prereq: English 112 or proficiency.

232  **Introduction to English Literature**  3 hours
Continuation of English 231, from Samuel Johnson to the present. Prereq: English 112 or proficiency.

235  **Black Literature in America 1746-1939**  3 hours
This course traces the development of Black literature from 1746 to 1939. Included will be a study of four genres — poetry, short story, novel and drama. Trends to be studied will include early Black writers, Neo-classic and Romantic traditions, and the Harlem Renaissance and Depression Era schools of thought. Prereq: English 112 or placement.
236 Black Literature in America 1939-Present 3 hours
This course traces the development of the literary contribution that Black Americans have made from 1940 to the present. Included will be a study of four genres — poetry, short story, novel, and drama. Trends to be studied include the movement toward literary assimilation in the 1940’s-1950’s and the subsequent movement toward Black art in the 1960’s to the present. Prereq: English 112 or proficiency.

240 Expository Writing 3 hours
Discussion of and practice in the various types of expository writing. Prereq: English 112 or proficiency.

245 American Literature 3 hours
A survey of American literature to the Civil War. Prereq: English 112 or proficiency.

246 American Literature 3 hours
A survey of American literature since the Civil War. Prereq: English 112 or proficiency.

251 Literature of Western Civilization 3 hours
A survey of European literature in translation from Homer to Cervantes. Prereq: English 112 or proficiency.

252 Literature of Western Civilization 3 hours
A survey of European literature in translation from Rabelais to Camus. Prereq: English 112 or proficiency.

283 The Contemporary Novel 3 hours
A study of some of the most important ideas, techniques, and authors of the British and American novels of the twentieth century. Prereq: English 112 or proficiency.

285 Contemporary British and American Drama 3 hours
Readings in British and American plays written since 1900, with emphasis on problems of form and content rather than historical development. Prereq: English 112 or proficiency.

331 Basic Fiction Writing 3 hours
Basic course in fiction writing. Prereq: English 112 or proficiency.

333 Modern British Novel 3 hours
A study of the evolution of the British novel from the post World War I years to the present. Prereq: English 232 or permission.

341 Poetry Writing 3 hours
A basic course in the making of poetry. Prereq: English 112 or proficiency.

353 Modern English Grammar 3 hours
An analytical study of the English language, stressing structural and
transformational grammar in comparison with traditional grammar. Prereq: Upperclass standing and major or minor in English.

360 **Contemporary Poetry**
British and American poetry since 1900. Prereq: English 232.

398 **Special Topics in Literature**
Intensive study of one or more authors, genres, literary movements or ideas. (May be repeated for credit as long as the topic is different.) Prereq: Variable according to the particular topics; prerequisites will, however, be kept at a minimum in order to encourage participation by non-majors as well as majors.

415 **Contemporary French and German Novel**
(Same as French 415 and German 415)
Comparative study of selected contemporary French and German novels in translation. Prereq: Permission.

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

421 **Advanced Fiction Writing**
Advanced course in fiction writing. Prereq: English 331 or permission of the instructor.

422 **Advanced Fiction Writing**
Advanced course in fiction writing. Prereq: English 331 or permission of the instructor.

433 (833M) **Sixteenth Century Literature**
Poetry and prose of the English Renaissance, from its continental origins to the end of the Elizabethan Age. Prereq: English 231.

434 (834M) **Chaucer**
A literary and linguistic study of the works of Chaucer, with emphasis on The Canterbury Tales. Prereq: English 231.

440 (840M) **English Literature of the Age of Pope and Swift**
A detailed study of selected authors and works of the Augustan Age of English Literature with emphasis on Pope and Swift. Prereq: English 231.

441 (841M) **The Age of Johnson**
Poetry, prose (exclusive of the novel) and drama of England during the second half of the eighteenth century. Prereq: English 232.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>448</td>
<td>Seventeenth Century Literature</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A study of English poetry and prose of the seventeenth century to the Restoration with emphasis on Milton. Prereq: English 231.</td>
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</tr>
<tr>
<td>450</td>
<td>English Drama Before 1642</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td>A study of the development of the English drama, exclusive of Shakespeare, from the beginnings to 1642. Prereq: English 231.</td>
<td></td>
</tr>
<tr>
<td>458</td>
<td>Linguistics</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A study of the phonology, morphology, and syntax of modern English, with particular emphasis on current research in the theory of grammars. Prereq: Permission of instructor.</td>
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<tr>
<td>460</td>
<td>Shakespeare</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A critical study of twelve major plays of Shakespeare. Prereq: English 231.</td>
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</tr>
<tr>
<td>465</td>
<td>The English Novel</td>
<td>3 hours</td>
</tr>
<tr>
<td>468</td>
<td>History of the English Language</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A study of the structural development of the English language. Prereq: English 231.</td>
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<tr>
<td>472</td>
<td>Medieval English Literature</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A survey of the principal writings in English, excluding those of Chaucer, from 1100 to 1500. Prereq: English 231.</td>
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<tr>
<td>481</td>
<td>Literature of the Romantic Period</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td>Poetry and prose (excluding the novel) of England from 1798 to 1830. Prereq: English 232.</td>
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</tr>
<tr>
<td>482</td>
<td>Literature of the Victorian Period</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td>English poetry and prose (excluding the novel) from 1830 to 1900. Prereq: English 232.</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Contemporary Literature: Major Figures and Major Movements</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A critical study of selected major literary figures or major literary movements which have appeared since World War II. Prereq: English 246 or 232 or Permission.</td>
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</tr>
<tr>
<td>497</td>
<td>The American Novel</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A critical and historical study of the work of twelve major American novelists of the nineteenth and twentieth centuries. Prereq: English 245 or 246.</td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>The American Drama</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td>A study of the American drama and its theatrical background from the</td>
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</tbody>
</table>
beginning to the present day, with concentration on the drama of the twentieth century. Prereq: English 112 and junior standing.

801V  **Introduction to Literary Research**  3 hours
A survey of the techniques of literary research, history and interpretation, with a primary emphasis on methods of scholarship currently useful to the study of English and American literature.

804V  **Seminar: Literary Criticism**  3 hours
A study of the history of literary criticism from the beginnings to the present time, with emphasis on the criticism of ancient Greece and Rome, nineteenth century England, and twentieth century America. Prereq: Graduate standing or permission of the Chairman of the Department of English.

806V  **Seminar: American Literature**  3 hours
Individual research and group discussion relating to a general topic in American literature. Prereq: Graduate standing or permission of the head of the Department of English.

808V  **Seminar: The English Renaissance**  3 hours
A seminar in a few significant literary figures of the English Renaissance. Prereq: Graduate standing or permission of the Chairman of the Department of English.

809V  **Seminar: Restoration and Early 18th Century**  3 hours
A study of selected authors and works of the Augustan age of English Literature: 1600-1750. Prereq: Graduate standing.

810V  **Seminar: Victorian Literature**  3 hours
An intensive study of selected Victorian authors and their works. Prereq: Graduate standing or permission of the Chairman of the Department of English.

813V  **Topical Seminar in English**  3 hours
An intensive study of one or more authors, genres, literary movements or literary problems not covered by regular period genre courses.

814V  **Seminar: Milton**  3 hours
Intensive seminar in the works of John Milton and investigation of critical and scholarly works. Prereq: Graduate standing.

820V  **Seminar: Medieval Literature**  3 hours
A study of the rationale and techniques of medieval allegory. Prereq: Graduate standing and English 434 or English 472.

825V  **Seminar: Chaucer**  3 hours
An analysis of the selected works of Chaucer, his sources, and analogues. Prereq: Graduate standing and English 434 or English 472.
898V **Independent Study**
Specially planned 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 a need of work not currently available in the departmental offerings and who has demonstrated capability of working independently.

3 hours

899 **Thesis**
Prereq: Graduate standing.

1-6 hours

912V **Seminar: Shakespeare**
Critical analysis of ten tragedies or ten comedies of Shakespeare. Prereq: Graduate standing or permission of the Chairman of the Department of English.

3 hours

915V **Seminar: English Literature: 1750-1830**
Studies in the transitions between English literature of the Age of Johnson and that of the Age of Wordsworth. Prereq: Graduate standing.

3 hours

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**FOREIGN LANGUAGES AND LITERATURES**

**PROFESSOR:** MOST (Chairman)

**Associate Professors:** ELLER, THILL, TODD

**Assistant Professors:** CONNER, JUNG, LUNA, MOORE

**Instructors:** DOWNING, GARCIA, GULLUM, SOUKUP, VALLE

**Assistant Instructor:** THORNDIKE

**REQUIREMENTS FOR A MAJOR IN FOREIGN LANGUAGES**
Twenty-four credit hours in one foreign language in the upper division courses (above 212) are required for a major in French, German or Spanish. The two conversation courses, 303 and 305, and the two composition courses, 304 and 306, are required for all majors; in addition, French 315 and 316 are required for all French majors, and German 431 and 432 for all German majors. Spanish majors may choose a concentration in the Spanish area or the Spanish-American area, or a combination of the two. For concentration in the Spanish area, Spanish 317, 318, and 341 are required; for concentration in the Spanish-American area, Spanish 321, 322 and 342 are required. Students contemplating graduate studies are advised, however, that competence in both areas is generally required for admission to graduate study.

It is also strongly recommended that majors in foreign languages extend their language training by completing an additional 21 credit hours in the upper division courses of a second foreign language, since a second teaching field is required by the College of Education for teacher certification, and a minor field is always required for graduate study.

Students who plan to enter the teacher certification program are required to take all the courses required by majors, along with the specific courses in History recommended by the Department.
REQUIREMENTS FOR A MINOR IN FOREIGN LANGUAGES

A minimum of 12 semester hours in French, German, or Spanish beyond the 212 or Sophomore level (upper division courses) are required for a minor in French, German, or Spanish. In each language, the student is required to take 2 out of 4 of the following courses: 303 Conversation and Pronunciation (3 hours); 304 Grammar Review and Composition (3 hours); 305 Advanced Conversation and Pronunciation (3 hours); 306 Advanced Grammar Review and Composition (3 hours) and, in addition, a 3-hour Civilization course, German 337, French 337, Spanish 341 or 342. The last three hours are to be chosen from courses in literature at the 300 or 400 level. A student may prefer to elect a second course in literature in place of civilization course. In German, the literature course(s) would be elected from the courses in 17th, 18th, 19th or 20th century literature. If only one course in literature is chosen, in French, it would be one semester of the Introduction to French Literature 315 or 316, 3 semester hours each. In Spanish the course would be one of 4 semesters of survey courses offered: Spanish 321, 322, Survey of Spanish American Literature; Spanish 317, 318, Survey of Spanish Literature, each 3 semester hours.

All courses in the major or minor program (above 212) must be passed with a grade of "C" or better.

FRENCH

100 Practical French Conversation
   Pronunciation, oral practice involving everyday situations. Limited
   enrollment. Not applicable to foreign language requirement in College
   of Arts and Sciences unless accompanied by French 105, 106. No
   previous knowledge of French assumed. Prereq: Permission.

101 Practical French Conversation
   Continuation of French 100. Further practice in everyday oral French.
   Limited enrollment. Applicable to foreign language requirement in
   College of Arts and Sciences if accompanied by French 106. Prereq:
   French 100 or permission.

105-106 French for Reading I, II
   Each 3 hours
   Basic principles of grammar, minimum training in pronunciation,
   graded elementary reading. Intended for students seeking a rapid
   reading knowledge. Does not apply on Arts and Sciences foreign
   language requirement unless accompanied by French 100, 101. Prereq:
   105; none, for 106: 105 or equivalent.

111-112 Elementary French
   Each 4 hours
   Pronunciation, listening comprehension, speaking and reading.
   Prereq: For 112: 111 or one year of high school.

113-114 Elementary French for Reading
   Each 4 hours
   Parallels regular course 111, 112, but emphasizes grammar reading and
   writing. No Language Laboratory required. Not open to majors.
   Prereq: none.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Sophomore Independent Study</td>
<td>1-3</td>
<td>Independent projects for students at intermediate college level. Prereq: Permission.</td>
</tr>
<tr>
<td>211-212</td>
<td>Intermediate French</td>
<td>Each 4</td>
<td>Continuation of 112 with grammar review, more advanced readings. Prereq: For 211: 112 or two years of high school. For 212: 211 or three years of high school.</td>
</tr>
<tr>
<td>213-214</td>
<td>Intermediate French for Reading</td>
<td>Each 4</td>
<td>Continuation of French 114 with brief grammar review, composition, advanced readings. Not open to majors. Prereq: 213, French 112, 114 or 2 years high school. 214, French 211, 213 or 3 years of high school.</td>
</tr>
<tr>
<td>303</td>
<td>Conversation and Pronunciation</td>
<td>3</td>
<td>Oral practice and pronunciation drill. Prereq: 212 or permission.</td>
</tr>
<tr>
<td>304</td>
<td>Grammar and Composition</td>
<td>3</td>
<td>Review of grammatical principles, practice in written composition. Prereq: 212 or permission.</td>
</tr>
<tr>
<td>305</td>
<td>Advanced Conversation and Pronunciation</td>
<td>3</td>
<td>Further practice in oral fluency, with exercises in pronunciation. Prereq: French 303 or permission.</td>
</tr>
<tr>
<td>306</td>
<td>Advanced Grammar and Composition</td>
<td>3</td>
<td>Continued grammar review and practice in written composition. Prereq: French 304 or permission.</td>
</tr>
<tr>
<td>315-316</td>
<td>Introduction to French Literature</td>
<td>Each 3</td>
<td>315: Readings of French authors from the Middle Ages to 1800; 316: From 1800 to the present; lectures, reports, collateral readings. Prereq: 212 for either 315 or 316. For majors, these courses are prerequisites to all other literature courses. Either 315 or 316 may be taken concurrently with another literature course.</td>
</tr>
<tr>
<td>337</td>
<td>French Civilization</td>
<td>3</td>
<td>A study of contemporary modes of life and thought in France. Prereq: French 212 or permission of instructor.</td>
</tr>
<tr>
<td>400</td>
<td>Independent Study</td>
<td>1-3</td>
<td>Guided independent study and research under tutorial supervision. May be repeated with different topic but not in same semester for maximum of six semester hours total. Prereq: Permission of instructor.</td>
</tr>
<tr>
<td>405</td>
<td>Introduction to the Study of Language</td>
<td>3</td>
<td>A broad general survey of the nature of language, how it functions and changes; references to contemporary trends in linguistic analysis and research. Prereq: Junior standing or permission.</td>
</tr>
</tbody>
</table>
415 Contemporary French and German Novel
(Same as German 415 and English 415)
Comparative study of selected contemporary French and German novels. Conducted in English with English translations. Additional readings in French for French students. Prereq: Permission.

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

419 Comparative Studies in French-Anglo-
American Literature
(same as English 419)

421 Sixteenth Century French Literature
3 hours
Literature of the Renaissance, Rabelais, Ronsard, Montaigne. Prereq: Any 300 course in literature or permission of instructor.

431 Seventeenth Century French Literature
3 hours
The Classical School: Descartes, Pascal, Corneille, Moliere, Racine, LaFontaine. Prereq: Any 300 course in literature or permission of instructor.

440 Eighteenth Century French Literature
3 hours
Study of the Enlightenment: Montesquieu, Voltaire, Rousseau and Diderot. Prereq: 315 or permission.

451-452 Nineteenth Century French Literature
Each 3 hours
451: 1789 to 1848, Lamartine to Michelet, Stendhal, Merimee, Balzac, Hugo. 452: 1850 to 1885, Realism, Naturalism, Parnasse, Symbolism. Prereq: 316 or perm.

453 Contemporary French Theater
3 hours
Study and analysis of selected French plays from 1930 to the present. Prereq: French 315 and 316 or permission.

454 Modern French Novel
3 hours
Reading and discussion of representative novels of the modern period. Prereq: French 315 and 316, or permission.

455 Twentieth Century Poetry
3 hours
Examination of the development of poetry in the contemporary period. Prereq: French 315 and 316, or permission.
460 Pro-Seminar
Detailed study of narrower phases of French literature, language or culture. Prereq: Permission of instructor.

GERMAN

100 Practical German Conversation
Pronunciation, oral practice involving everyday situations. Limited enrollment. Not applicable to foreign language requirement in College of Arts and Sciences unless accompanied by German 105, 106. No previous knowledge of German assumed. Prereq: Perm.

101 Practical German Conversation
Continuation of German 100. Further practice in everyday oral German. Limited enrollment. Applicable to foreign language requirement in College of Arts and Sciences if accompanied by German 106. Prereq: German 100 or permission.

105-106 German for Reading I, II
Each 3 hours
Basic principles of grammar, minimum training in pronunciation, graded elementary reading. Intended for students seeking a rapid reading knowledge. Does not apply on Arts and Sciences foreign language requirement unless accompanied by German 100, 101. Prereq: 105; none, for 106; 105 or equivalent.

111-112 Elementary German
Each 4 hours
Pronunciation, listening comprehension, speaking and reading. Prereq: For 112: 111 or one year high school.

200 Sophomore Independent Study
1-3 hours
Independent projects for students at intermediate college level. Prereq: Permission.

211-212 Intermediate German
Each 4 hours
Continuation of 112 with grammar review, more advanced readings. Prereq: For 211: 112 or two years of high school. For 212: 211 or three years high school.

303 Conversation and Pronunciation
3 hours
Prereq: German 212 or permission.

304 Grammar and Composition
3 hours
Prereq: German 212 or permission.

305 Advanced Conversation and Pronunciation
3 hours
Prereq: German 303 or permission.

306 Advanced Grammar and Composition
3 hours
Prereq: German 304 or permission.
337 German Civilization 3 hours
German history, art, architecture, customs, philosophy, literature. Prereq: 303 or permission of instructor.

400 Independent Study 1-3 hours
Guided independent study and research for majors or minors under tutorial supervision. Prereq: permission of instructor. May be repeated with different topic but not in same semester for maximum of six semester hours total.

405 Introduction to the Study of Language 3 hours
A broad general survey of the nature of language, how it functions and changes; references to contemporary trends in linguistic analysis and research. Prereq: Junior standing or permission.

410 Introduction to Germanic Folklore 3 hours
An intensive familiarization of the student with the broad spectrum of folklore in modern and ancient societies of the Indo-Germanic continuum. Definition of folklore as an academic field and the delineation of the material studied by the student of folklore. Introduction to the folklorist’s methodology in collecting, archiving, and research. To be taught in English. Prereq: At least three credit hours in any one of the following areas: Anthropology, Art, Music, Literature, Psychology, Sociology, or History.

415 Contemporary French and German Novel 3 hours
(same as French 415 and English 415)
Comparative study of selected contemporary French and German novels. Conducted in English with English translations. Additional readings in German for German students. Prereq: permission.

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

431 German Literature of the 19th Century 3 hours
Survey of the literature of the nineteenth century from Romanticism to Naturalism. Prereq: 303 or permission of instructor.

432 German Literature of the 20th Century 3 hours
Survey of literature of the twentieth century from Expressionism to the literature after World War II. Prereq: 303 or permission of instructor.

438 German Civilization from the 18th Century to the Present 3 hours
Detailed analysis of German art, architecture, literature, music, and philosophy. The influence of the sciences and of technology upon modern German civilization and culture. Prereq: Permission of instructor.
439 German Novel 3 hours
Survey of the German novel from its beginning to the twentieth century. Prereq: Permission of instructor.

440 German Novelle 3 hours
Survey of the German short story, its historical origin, characteristics. Prereq: 303 or permission of instructor.

444 German Drama 3 hours
History of drama development, study of several of the more important dramas. Prereq: 303 or permission of instructor.

449 German Literature of the Seventeenth Century 3 hours
The principal dramatic, epic and lyric works of 17th century German literature. Prereq: German 303 or permission.

450 German Literature of the Eighteenth Century 3 hours
A study of representative authors of the Enlightenment, Storm and Stress, and German Classicism: Lessing, Herder, Schiller, and Goethe. Prereq: Permission of instructor.

458 Bibliography and Methodology 1-2 hours
An introduction to the basic bibliography and methodology of German literature and language. Prereq: Permission of instructor.

460 Pro-Seminar 1-3 hours
A detailed study of narrower phases of German literature, language or culture. Prereq: Permission of instructor.

ITALIAN

111-112 Elementary Italian Each 4 hours
Pronunciation, listening comprehension, speaking and reading. Prereq: 111, none; 112, 111 or permission.

211-212 Intermediate Italian Each 4 hours
Continuation of 112 with grammar review, more advanced reading. Prereq: 211; 112 or two years of high school, or permission, 212; 211 or three years high school, or permission.

LATIN

116 Scientific Greek and Latin 2 hours
Study of scientific and technical terminology derived from Greek and Latin. For students in medicine, dentistry, pharmacy and life sciences. Not applicable to Foreign Language requirement. Prereq: none.

211-212 Intermediate Latin Each 4 hours
211: Readings from Cicero; inductive review of grammar through the
readings. Prereq: one year college Latin or two years high school Latin. 212: Continuation of course 211; readings from Vergil. Prereq: one and one-half years college Latin or three years high school Latin.

**RUSSIAN**

111-112 **Elementary Russian**
Each 4 hours
Pronunciation, listening comprehension, speaking and reading.
Prereq: For 112: 111 or one year of high school.

211-212 **Intermediate Russian**
Each 4 hours
Continuation of 112 with grammar review, more advanced readings.
Prereq: For 211: 112 or two years of high school. For 212: 211 or three years of high school.

**PORTUGUESE**

111 **Elementary (Brazilian) Portuguese**
4 hours
Pronunciation, listening comprehension, speaking and reading.
Prereq: none.

112 **Elementary (Brazilian) Portuguese**
4 hours
Pronunciation, listening comprehension, speaking and reading.
Prereq: 111 or permission.

211 **Intermediate (Brazilian) Portuguese**
4 hours
Continuation of 112 with grammar review and more advanced readings. Prereq: 112 or permission.

212 **Intermediate (Brazilian) Portuguese**
4 hours
Continuation of 211 with grammar review and more advanced readings. Prereq: 211 or permission.

**SPANISH**

100 **Practical Spanish Conversation**
1 hour
Pronunciation, oral practice involving everyday situations. Limited enrollment. Not applicable to foreign language requirement in College of Arts and Sciences unless accompanied by Spanish 113, 114. No previous knowledge of Spanish assumed. Prereq: permission.

101 **Practical Spanish Conversation**
1 hour
Continuation of Spanish 100. Further practice in everyday oral Spanish. Limited enrollment. Applicable to foreign language requirement in College of Arts and Sciences if accompanied by Spanish 114. Prereq: Spanish 100 or permission.

111-112 **Elementary Spanish**
Each 4 hours
Pronunciation, listening comprehension, speaking and reading.
Prereq: For 112: 111 or one year of high school.
113-114  Elementary Spanish for Reading  Each 4 hours
Parallels regular course 111, 112 but emphasizes grammar, reading, and writing. No Language Laboratory required. Not open to majors. Prereq: 113, none; 114, Spanish 111, 113 or 1 year of high school.

200  Sophomore Independent Study  1-3 hours
Independent projects for students at intermediate college level. Prereq: Permission.

211-212  Intermediate Spanish  Each 4 hours
Continuation of 112 with grammar review, more advanced readings. Prereq: For 211: 112 or two years of high school. For 212: 211 or three years of high school.

213-214  Intermediate Spanish for Reading  Each 4 hours
Continuation of Spanish 114 with brief grammar review, composition, advanced readings. Not open to majors. Prereq: 213: 112, 114 or 2 years of high school. 214: 211, 213 or 3 years of high school.

300  Travel Study in Foreign Languages  1-3 hours
A course designed to give undergraduate students outside-the-classroom training in a specific area of culture and/or literature. Prereq: Undergraduate; second semester freshman or above.

303  Conversation and Pronunciation  3 hours
Prereq: Spanish 212 or permission.

304  Grammar and Composition  3 hours
Prereq: Spanish 212 or permission.

305  Advanced Conversation and Pronunciation  3 hours
Prereq: Spanish 303 or permission.

306  Advanced Grammar and Composition  3 hours
Prereq: Spanish 304 or permission.

317-318  Survey of Spanish Literature  Each 3 hours
317: Introduction to the principal authors and works of Spanish literature from El Cid to the eighteenth century. 318: Major Spanish writers and works of the eighteenth, nineteenth, and twentieth centuries. Prereq: 317: 212 or permission of instructor. 318: 317 or permission of instructor.

321-322  Survey of Spanish American Literature  Each 3 hours
321: Spanish American literature from the Colonial Period to Modernism. 322: From Modernism to contemporary works and writers. Prereq: 321: 212 or permission of instructor. 322: 321 or permission of instructor.

330  The Culture of Latin America  3 hours
A study of the culture of Latin America, its origins, development, and
the present scene. Topics being chosen from art, literature, architecture, politics, and economics. Does not apply toward the Foreign Language requirement. Prereq: Sophomore standing.

341 **Spanish Civilization** 3 hours
History, geography, national economy, education, art and literature of the Spanish people. Prereq: 212 or permission of instructor.

342 **Latin American Civilization** 3 hours
History, architecture, painting, music, education, religion, literature of Hispanic America. Prereq: 212 or permission of instructor.

400 **Independent Study** 1-3 hours
Guided independent study and research under tutorial supervision. May be repeated with different topic but not in same semester for maximum of six semester hours total. Prereq: Permission of instructor.

405 **Introduction to the Study of Language** 3 hours
A broad general survey of the nature of language, how it functions and changes; references to contemporary trends in linguistic analysis and research. Prereq: Junior standing or permission.

410 **Theater of the Golden Age** 3 hours
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.

411 **Novel of the Golden Age** 3 hours
Study of the prose masterpieces of the sixteenth and seventeenth centuries, including such works as Lazarillo de Tormes, La Celestina, and Don Quixote. Prereq: 317 or permission of instructor.

416 **Spanish American Literature of the Twentieth Century** 3 hours
Critical and analytical study of the foremost Spanish American dramatists, poets, and essayists from Modernism to the present. Prereq: 322 or permission of instructor.

418 **Mexican American Literature** 3 hours
A study of representative works of Mexican American, Spanish American, and American writers, along with their cultural and historical antecedents. Does not apply toward Foreign Language requirement. Prereq: Permission by the instructor.

420 **Spanish American Novel** 3 hours
Study of representative novels and novelists of the nineteenth and twentieth centuries, with emphasis on contemporary authors. Prereq: 322 or permission of instructor.

424 **Generation of 1898** 3 hours
Examination of the ideology, philosophy, and literary techniques of
Unamuno, Martinez Ruiz, Valle-Inclan, Baroja, and Antonio Machado. Prereq: 318 or permission of instructor.

435 **Spanish American Short Story** 3 hours
Representative stories of the nineteenth and twentieth centuries, from Romanticism to current production. Prereq: 321 and 322, or permission of instructor.

455 **Modern Drama of Spain** 3 hours
Ideologies, techniques, trends, and influences of the major Spanish dramatists of the nineteenth and twentieth centuries. Prereq: 318 or permission of instructor.

456 **Modern Novel of Spain** 3 hours
Analytical study of the representative Spanish novelists of the nineteenth and twentieth centuries from P.A. de Alarcon to Cela. Prereq: 318 or permission of instructor.

460 **Pro-Seminar** 3 hours
Detailed study of narrower phases of Spanish, or Spanish American, literature, language or culture. Prereq: Permission of instructor.

**GEOGRAPHY AND GEOLOGY**

**PROFESSORS:** VOGEL (Chairman), BARISS, RETALLICK, SCHILZ
Associate Professor: SHRODER
Assistant Professors: GILDER SLEEVE, KOCH
Instructors: BUSH, PEAKE

The requirements for a major in Geography are as follows: (1) Either course 100 or 102; (2) Courses 106, 107 or 117, 313, 333, 353, 412; and (3) An additional 12 hours of 300-400 level courses with at least 6 hours in topical or systematic courses. Courses 106, 107, 117, 118, 203, 425, 426, and 432 offer credit in the Natural Science Division. All other Geography courses offer credit in the Social Science Division.

For the requirements of the Urban Studies major see page 373.
For the requirements of the General Science major see page 80.

100 **Fundamentals of Geography** 3 hours
An introductory course designed to acquaint the student with basic concepts of geography as applied to major cultural realms of the world. Prereq: none.

102 **Introduction to Human Geography** 3 hours
Basic concern with man's role in altering the earth's landscape. Deals with cultural processes of man and their resultant societal forms. Prereq: None.

106 **Physical Geography I: The Globe, Weather and Climate, Soils and Vegetation** 4 hours
Position of the earth, the weather, climate, soils, and natural vegetation.
are important factors in man's physical environment. These environmental factors are presented in terms of originating processes, spatial distribution and interaction among them, and their effects upon man's habitat. Construction of maps related to weather elements form a part of the lab work. Prereq: None. Not a prerequisite for 107. Not open to students who have had 104.

107 Physical Geography II: Landforms, Waters of the Land, and Oceans 4 hours
An examination of the role of landforms, waters of the land, and oceans in man's natural habitat. Aspects of origin, formative processes, areal distribution, and the impact upon man's physical environment are stressed. Case studies from the American Midwest and other regions are also included. Basic aspects of contour maps and topographic map interpretation form a part of the exercises in the laboratory. Prereq: None. Not a prerequisite for 106. Not open to students who have had 104.

117 Physical Geology 4 hours
Basic fundamentals of geology. The study of the internal geologic processes and external and erosional and depositional processes which create the subsurface and surface features of the earth. Fundamentals of contour mapping, topographic map interpretation and identification of common minerals and rocks in laboratory. One Saturday field trip required. Prereq: None.

118 Historical Geology 4 hours
Basic fundamentals for the interpretation of earth and lunar history. The deduction of the history of the earth-moon system through the interpretation of geologic phenomena using principles of stratigraphy, sedimentation, structure, and fossil content. The new global tectonics, encompassing the theories of sea-floor spreading and continental drift. Fundamentals and interpretation of geologic environments and geologic maps, coupled with identification of key fossils in laboratory. One Saturday field trip required. Prereq: 117, or 107, or permission of Geography-Geology Department.

203 General Physiography 3 hours
A study of the landforms which involves an analysis of the nature and evolution of the present relief of the earth's surface. The course is designed to give the student an appreciation of landscapes as one element of the total environment of man. Emphasis will be placed upon the areal approach through map interpretation and identification of landforms. Prereq: Geog. 107, or 117.

275 Mineralogy 3 hours
A course dealing with the study of minerals. Emphasis will be placed upon the physical properties, crystallography, and identification of the various minerals. Two one-hour lectures and one two-hour lab per week. Emphasis in lab will be upon identification of hand specimens. Prereq: Geog. 117.
276 Petrology
A course dealing with the study of rocks. Emphasis will be placed upon
the mode of occurrence, composition, classification, and origin of
rocks and their relations to geological processes and history. Two one-
hour lectures per week and one two-hour lab. Emphasis in lab will be

300 Travel Study in Geography
A course designed to give undergraduate students outside the
classroom training in a specific area in the techniques of arriving at
field study problems in the discipline of geography. Prereq: Undergraduate; second semester freshman or above.

303 Africa
The political, physical, economic and demographic features of Africa
with emphasis on the effect of these factors in development. The major
features of the broad geographical regions of Africa. Prereq: Junior
standing.

306 Geography of Middle America
A survey of the physical and cultural landscapes of the Caribbean,
Mexico, and Central America. Attention is directed toward the impact
of Old World culture upon that of the New World, development of
plantation economies, settlement of the frontier regions, and the
evolution of Middle America as it exists today. Prereq: Junior
Standing.

307 Geography of South America
A survey of the physical environments as modified by man on the
continent of South America. Emphasis is placed upon the persistence
of cultural factors in man's use of land and on the difficulty in
developing the various areas of South America for man's use. Prereq:
Junior Standing.

308 East and Southeast Asia
An introduction to the physical and cultural landscape of East (China,
Japan, et al), and Southeast Asia. Emphasis is placed upon the
sequence of occupancy of the land, agrarian traditional economies, and
contemporary problems of development. Prereq: Junior Standing.

309 South and Southwest Asia
An investigation of man's spatial organization and occupancy of the
lands of South and Southwest Asia (East Pakistan-Turkey). Emphasis
is placed upon an analysis of the physical and cultural patterns and
processes presently operating on these landscapes. Prereq: Junior
Standing.

313 Economic Geography (same as Economics 313)
A comprehensive study of production, consumption and exchange in
primary, secondary and tertiary economic activities as related to
spatial factors. Prereq: Junior Standing.
323 **Europe's Land and Peoples**  
3 hours  
The first part of the course includes a systematic study of the physical, historical-cultural, and economic background of Europe as a whole. In the second part, emphasis is placed on selected presented case studies which illustrate some of the problems related to man's highly diversified environment in Europe. Prereq: Geog. 100, or 106, or 107, and Junior Standing.

324 **U.S.S.R.**  
3 hours  
This is a regional geography course intended for Arts and Sciences students who have had some previous geography study. Prereq: Geog. 100 or 102 or 313 and Junior Standing, or permission of the instructor.

333 **United States and Canada**  
3 hours  
A consideration by regions of the economic life from a geographic viewpoint. Prereq: Junior Standing.

341 **History of Nebraska**  
(Same as HIST 341 [841J])  
3 hours  
(841J)  
From earliest known records to the present. Prereq: Junior Standing or Permission.

350 **Geology for Engineers**  
(Same as C.E. 350)  
4 hours  
A physical geology course designed for engineers to acquaint them with the basic concepts of the science and to provide them with the background necessary to civil engineering. The basic elements of physical geology will be presented but special emphasis will be placed on the properties of earth solids and fluids as they relate to engineering works. Three lectures and one two-hour lab per week. Labs will stress basic rock and mineral identification, geologic map reading, and photo interpretation. One or more field trips required. Prereq: None.

353 **Cartography and Graphics**  
3 hours  
Basic fundamentals for the cartographic representation of statistical information with emphasis upon the compilation of statistics and the variety of possible symbolization. Basic fundamentals of drafting and design. Prereq: Geog. 100, 102, 106 or 107, or C.E. 200 and Junior Standing.

360 **Geophysics**  
(Same as Physics 360)  
3 hours  
Investigation of the physical properties of the earth. Specific topics will include composition of the core, mantle and crust, elastic properties and seismology, theory of the magnetic field, properties of the gravitational field, heat flow within the earth and continental drift and plate tectonics. Prereq: Geol. 117, or General physics.

363 **Map and Photo Interpretation**  
3 hours  
Practical experiences in the identification and interpretation of physical and cultural features through the use of topographic, geologic,
hydrographic, and aeronautical charts and of selected aerial photographs. Prereq: Trigonometry and Junior Standing.

393 Political Geography
An analysis of the geographic factors underlying international problems of States. Prereq: Junior Standing.

401 (801M) Conservation of Natural Resources
A study of physical, cultural, and human resources of nations with emphasis on the United States. Includes the history of conservation in the U.S., the philosophy behind the movement, current conservational practices and problems, and the direction in which resource use and conservation is moving. Prereq: 3 hours of Geog., Senior or Graduate Standing.

403 (803M) Computer Mapping and Data Analysis
Computer techniques in mapping and analyzing areal data. Emphasis is placed upon data bank retrieval and address systems as input to various mapping and statistical programs. Prereq: Geog. 353, and a course in introductory statistics.

412 (812M) Urban Geography
(Same as Economics 412, 812M, and Sociology 412, 812M)
A geography of the city from the viewpoint of history, site, and situation, external relations, internal relations, and the comparative study of cities. Prereq: Junior Standing.

413 (813M) Geography of Manufacturing
(Same as Econ 413, 813M)
A course which discusses methods of measurement and classification, as well as the function of manufacturing; major world manufacturing regions and industry analysis; location criteria and theory in the U.S.; and local community patterns. Prereq: Geog. 313 or Econ 201 and 202. Junior Standing.

414 (814M) Urban Sociology
(Same as Soc. 414 [814M])
This course in the sociology of cities and the social characteristics of urban life is expected to serve as a companion course to Sociology 410, The Community. In contrast, that course treats the city as a community of people while this one presents a more theoretical view stressing historical, demographic, ecological, social psychological and institutional aspects of urban life. Prereq: 9 hours of Soc. including 101 or 103.

423 (823M) Great Plains and Nebraska
This is a regional geography course intended for geography majors and Arts and Sciences students who may have an interest in this particular area. It is desirable to have had some previous study with regional geography. Prereq: 6 hours of Geog. and Junior Standing.
425 (825M) Landform Studies I (Geomorphology I) 3 hours
Primarily a lecture course with quantitative work included. Emphasis on understanding more theoretical aspects of processing and conditioning factors which produce landforms. Should be regarded as first half of a two-semester landform studies course. Evolution of slopes are emphasized. Prereq: Geog. 107, or 117, or 203. Junior Standing.

426 (826M) Landform Studies II (Geomorphology II) 3 hours
Primarily a lecture and laboratory course. Emphasis on methodology and modern process-oriented geomorphology. Should be taken as second half of a two-semester landform studies course. Prereq: Geog. 107, or 117, or 203. Junior Standing.

432 (832M) Climatology 3 hours
Will include basic review of the various atmospheric elements; climatic classification; analysis of selected climatic regions; and effect of climatic phenomena on shaping the cultural and physical landscape in general. Prereq: Geog. 106, a meteorology course, or permission of instructor, and Junior Standing.

443 (844M) American Urban History To 1870 3 hours
(Same as Hist 443 [843M])
Historical survey of urban development in the United States from the colonial period through the 1860's; urban society, problems, institutions; role of cities in national history; American ambivalence toward cities. Prereq: Junior Standing or Permission.

444 (844M) American Urban History Since 1870 3 hours
(Same as Hist. 444 [844M])
American urbanization from 1870's to the present; influence of technology, transportation, industry, immigration; urban politics and reform movements; emergence of metropolitan America and problems of the contemporary super-city. Prereq: Junior Standing or Permission.

453 (853M) Historical Geography of the United States 3 hours
A course dealing with the geography of the past. Emphasis is placed on the sequent occupancy of regions in the United States or the geography of major divisions of the United States at selected times in the past. Prereq: Junior Standing and Hist. 111 and 112.

460 (860M) Independent Research 1, 2, or 3 hours
(May be repeated to a maximum of 3 hours)
Advanced study in the form of a major paper to give the senior or graduate student knowledge of and experience in using government documents, professional and primary materials, concerned with a region. Must be under the supervision of the instructor who is particularly qualified for the continent chosen. Paper will be presented to either the graduate General Seminar or the local chapter of GTU, National Honorary Geography Fraternity. Prereq: Permission of Department Chairman.
485 **Economics of Urban Areas**  
(Same as Econ. 485)  
An analysis of urban growth and development, the goals of the urban economy, urban problems and policy within the framework of economic theory. Prereq: 9 hours of Econ.  

3 hours

490 **Urbanization in Developing Areas**  
The functions and morphology of various types of cities found in presently developing areas of the world. Emphasis will be upon contrasting the cities of the developed and developing areas. Prereq: 6 hours of Geog., or Junior Standing, and Urban Geog. 412.  

3 hours

491 **Internship in Local Government**  
(Same as Public Administration 491)  
Internship in Local Government offices; participation in the policy-making and administration processes of local government; discussions and reports. Prereq: Pol. Sci. 110, 111, 301, 317 or the equivalents, and senior standing.  

2 hours per semester to a maximum of 6

All 800V and 900 courses require departmental permission.

801V **Geography Concepts: History and Philosophy**  
Introduction to History of Geography. Emphasis on significant ideas, concepts, methodologies, and philosophies in geography from the classical Greeks to present. Prereq: Graduate, Permission.  

3 hours

802V **Geography Concepts: Quantitative Methods**  
The understanding and appreciation of quantitative techniques in geography. Emphasis is placed on sampling theory and design, graph theory and spatial statistics. Prereq: Graduate, Permission.  

3 hours

804V **Seminar in Educational Geography**  
A survey of methods, instruction aids and goals for teaching geography. Designed to aid the teacher in the improvement of geographic instruction in the elementary and secondary schools as well as in higher education. Prereq: Graduate, Permission.  

3 hours

821V **Cultural Geography**  
The philosophical basis of human and cultural geography; interpretation of the cultural landscape. Prereq: Permission.  

3 hours

831V **Geography of Agriculture**  
A systematic study of the characteristics of agriculture on a worldwide basis. Prereq: Permission and Geog. 313 or Econ. 313.  

3 hours

851V **Advanced Geomorphology**  
A seminar and lecture course on the current concepts and controversies in the field of landform studies. Discussion will emphasize classic ideas as well as the modern concepts of climatic, dynamic, and quantitative geomorphology. Some study of Quaternary chronology will be  

3 hours
necessary. Several optional Saturday field trips. Prereq: Geog. 425 or 426 and 117, or 107. Graduate, Permission.

855V  Physiography of North America  3 hours
A study of the landforms regions of North America as related to the whole study of geography by means of a systematic analysis of geomorphic patterns. Prereq: Geog. 107 (104), or 117, or 118.

858V  Soils  3 hours
An examination of the older geographical concepts of the distribution and morphology of soil and the new works concerned with soil forms on a regional, rather than zonal, basis. Prereq: Geog. 106 or 107 (104). Graduate, Permission.

861V  Field Geography  3 hours
A systematic discussion of techniques for studying and analyzing terrain features, land use characteristics, and the nature of their patterns as a part of the whole geographic environment. Prereq: Permission.

865V  Land Use  3 hours
A field course designed to understand, by actual field investigation, land use patterns in urban areas through the comprehension of social, physical, and economic factors which tend to shape the land use of a given place. The major emphasis will be placed upon field investigations in the urban area, with the functional region receiving the major consideration. Prereq: Geog. 412.

867V  Cartographic Methods  3 hours
Teaches the student proper use of drawing instruments, effective map layout and exposure to the latest cartographic techniques, leading to a high level of competence in the design and interpretation of maps. Prereq: Geog. 353.

871V  Population Seminar  3 hours
(Same as Sociology 871V)
The significance of differences from place to place in the number, kind, and qualities of human inhabitants and changes through time. Prereq: Permission.

880V  Independent Study in Topics on Urbanism  1 hour per sem. to 3
Graduate student research on an individual basis under faculty supervision in topics pertaining to urbanism. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under Economics, Political Science, and Sociology.)

881V  Urban Seminar in Metropolitan Planning and Development  3 hours
(Same as Political Science 581)
An overview of the present status of planning in metropolitan areas with special emphasis on structure of planning departments.
comprehensive plans, and problems of annexation. Prereq: Geog. 412 or recommendation from Political Science, Sociology, or Economics Departments.

883V-884V  **Interdisciplinary Seminar on the Urban Community**  2-6 hours
An interdisciplinary course on the metropolitan community in which various departmental and college offerings concerned with urban problems are put on broad interrelated focus. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under Economics, Political Science, and Sociology.)

885V-886V  **Seminar in Urban Economics**  Each 3 hours
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 credit may be received for each course. Prereq: At least 6 hours of upper division course work in economics or permission.

887V-888V  **Seminar in Regional Economics**  Each 3 hours
Prereq: At least 6 hours of upper division course work in economics or permission of instructor. An examination of the current developments and issues involving regional economic development and planning. These courses provide the theoretical basis for understanding and analyzing economic problems of a regional nature. In addition, policy alternatives, decision making, and measurement techniques are examined.

898V-899V  **Urban-Regional Research**  1-6 hours
(Same as Economics 898V-899V)
Used in candidates for the Master of Science Degree in economics in lieu of a Master's thesis. A study consisting of urban economic problems, employing research techniques. Students do independent research, consulting with adviser, and submitting completed report to a departmental committee. Prereq: Graduate enrollment in the Master of Science in economics program and acceptance by a graduate adviser.

899  **Thesis**  1-6 hours
Independent research project written under the supervision of an adviser.

941  **Seminar in Problems in Political Geography**  3 hours
Case studies in land boundaries, territorial waters, and in population aspects of boundary problems. A review of important studies in Political Geography. Prereq: Permission and Geog. 393. Professor Gordon B. Schilz.

975  **Seminar in Regional Geography**  3-6 hours
(Maximum 3 per semester except in foreign country field work.) Professor Gordon B. Schilz.
991-992  General Seminar  Required, no credit
Review of current research by geographers including national and international associations and initial thesis proposal. Professor Gordon B. Schilz.

HISTORY
PROFESSORS: ADRIAN, BECK, CARRIGAN, GUM, TRICKETT, ROBBINS
Associate Professors: DALSTROM (Chairman), GAEDDERT, OVERFIELD, PETROWSKI, PRATT, ST. JOHN
Assistant Professors: BRITT, THOMPSON
Instructor: NELSON

Students who elect a major in history and who are seeking the B.A. degree must pass, with an average grade of "C" or above as prerequisites, either History 111 and 112 or History 151 and 152 and one of the following 200-level course sequences, or the equivalents:
Black Studies 241-242, Black History
History 247-248, Latin America
History 251-252, Ancient History
History 257-258, German History
History 261-262, English History
History 271-272, Russian History
History 281-282, The Far East

To complete the requirements for the major they must pass, with grades of "C" or above, 18 hours of history, or the equivalents, from courses in the 300 and 400 groups. In addition they must pass, with a grade of "C" or above one of the following courses:
History 493, Historical Research
History 496, Great American Historians
History 497, Great European Historians

Students primarily interested in English history may (1) present English 231 and 232 as credit towards the 18 hours normally required from courses in history at the 300 and 400 level provided that they present History 261-262 as their 200-level course sequence; (2) complete at least six hours with grades of "C" or above of courses from among the following: History 364, 461, 462, 463, and 464; (3) complete with a grade of "C" or above either one upper division course in English Literature selected from English 433-450; 460-482 or one additional upper division course in History; (4) as with other majors, they must pass with a grade of "C" or above one of the following courses: History 493, 496, or 497.

Students who elect a major in history and who are seeking the B.S. degree must meet the same requirements and follow the course of study as outlined above for the B.A. degree. Students working toward the B.S. degree are exempt from the foreign language requirement of the College of Arts and Sciences. Students seeking the B.S. degree in history must pass Mathematics 143, Mathematics 153, and Computer Sciences 150 (Students may substitute Psychology 213 or Sociology 213 for Mathematics 153.) None of the foregoing courses may be used in fulfilling the mathematics requirement of the College of Arts and Sciences.

Students who wish to teach history in secondary schools must pass, with an average grade of "C" or above, History 111, 112, 151, 152, and one of the 200-level
sequences in history (see above), or the equivalents. In addition they must pass, with
grades of "C" or above, a specific number of hours of work in 300 or 400 numbered
courses in history. Details of such requirements for the academic major or teaching
field in history in the College of Education may be secured from Professor Adrian.

111 American History to 1865
A history of the creation and development of the United States from
the beginning of English colonization to the end of the American Civil
War.

112 American History Since 1865
A general survey of the basic forces shaping American life since the
Civil War.

150 Western Civilization: 4000 B.C.-1453 A.D.
European History from the fourth millenium B.C. to 1453 A.D.
provides an introduction to the events which mark the progress of
European man. The emphasis is on the aspects of Western Civilization
which have their roots in the ancient and medieval periods.

151 Western Civilization: 1453-1789
A factual and interpretative treatment of the major political, economic,
and cultural movements in Europe terminating just prior to the French
Revolution and Napoleon.

153 Western Civilization: 1789-the Present
A study of the forces shaping Modern Europe with particular emphasis
on Republican, National, Anticlerical and Socialistic developments.

247 Latin American History: Mexico and The Caribbean
A history of Mexico and the Caribbean nations from the pre-
Columbian Indian cultures to the present time.

248 Latin American History: South America
A history of the nations of South American from the pre-Columbian
Indian cultures to the present time.

251 Ancient History: Greece
A study of ancient civilizations in the Near East, Mesopotamia and
Greece with emphasis upon their contributions through Greece to the
development of Western Civilization.

252 Ancient History: Rome
A study of the growth and development of the Roman Empire with
emphasis on the unique contributions of Rome to the modern world.

257 History of Germany from the Reformation through
Frederick the Great
A history of the German States from the end of the Thirty Years’ War
to the beginning of the Revolutionary Era.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>258</td>
<td><strong>History of Germany in the Nineteenth and Twentieth Centuries</strong></td>
<td>3 hours</td>
<td>A history of Germany, including Austria, from the Revolutionary Era to the present. Emphasis will be placed upon Germany's dominant role in Europe since unification, the experiments (past and present) with democracy and the cataclysm of the Third Reich.</td>
</tr>
<tr>
<td>261</td>
<td><strong>English History: England to 1688</strong></td>
<td>3 hours</td>
<td>The evolution of English society and the development of responsible government.</td>
</tr>
<tr>
<td>262</td>
<td><strong>English History: The Expansion of England</strong></td>
<td>3 hours</td>
<td>The expansion of English society and the development and spread of British institutions.</td>
</tr>
<tr>
<td>271</td>
<td><strong>Russian History: To 1855</strong></td>
<td>3 hours</td>
<td>An interpretive analysis of the unique development of Russian culture from its Kievian beginnings through the establishment of autocracy and serfdom to the end of the reign of Nicholas I.</td>
</tr>
<tr>
<td>272</td>
<td><strong>Russian History: Imperial Russia and the Soviet Union Since 1855</strong></td>
<td>3 hours</td>
<td>An interpretive analysis of Russian culture and society under the last three tsars, the Bolshevik Revolution and a half-century of Communist domination.</td>
</tr>
<tr>
<td>281</td>
<td><strong>The Far East: Traditional and Modern China</strong></td>
<td>3 hours</td>
<td>A study of traditional Chinese society with special emphasis upon those traits which in large part shaped China's response to the impact of the West in the nineteenth century and conditioned her search for a new political structure in the twentieth century.</td>
</tr>
<tr>
<td>282</td>
<td><strong>The Far East: Modern Japan and Southeast Asia</strong></td>
<td>3 hours</td>
<td>A study of the evolution of traditional Japan to a modern national state and Japan's role as a major world power in the twentieth century. A survey of the development of colonialism and nationalism in southeast Asia.</td>
</tr>
<tr>
<td>311</td>
<td><strong>American Economic History to 1865</strong></td>
<td>3 hours</td>
<td>A survey of America's economic development from colonial times to the end of the Civil War. Prereq: Junior standing or permission.</td>
</tr>
<tr>
<td>312</td>
<td><strong>American Economic History Since 1865</strong></td>
<td>3 hours</td>
<td>A survey of American economic development from the Civil War to the present. Prereq: Junior standing or permission.</td>
</tr>
<tr>
<td>313</td>
<td><strong>American Colonial History</strong></td>
<td>3 hours</td>
<td>A study of the background, settlement, and development of the English colonies. Prereq: Junior standing or permission.</td>
</tr>
</tbody>
</table>
315 (815L)  The American Frontiers: 1600-1840  3 hours
A study of the frontier systems of the Thirteen Colonies and of Spain and France, and the Westward Movement of the United States to the Mississippi River. Prereq: Junior standing or permission.

316 (816L)  The American Frontier: 1840-1900  3 hours
The Trans-Mississippi West from Spanish and French days to the disappearance of the frontier around 1900. Prereq: Junior standing or permission.

333 (833L)  Diplomatic History of the United States before 1900  3 hours
A study of the foreign relations of the United States before 1900. Prereq: Junior standing or permission.

334 (834L)  Diplomatic History of the United States Since 1900  3 hours
Prereq: Junior standing or permission.

341 (841L)  History of Nebraska  3 hours
From the earliest known records to the present. Prereq: Junior standing or permission.

344 (844L)  History of the South  3 hours
Economic, social, and political development of the South as a region. Prereq: Junior standing or permission.

351 (851L)  Economic History of Europe to 1760  3 hours
(Same as Econ 351)
A survey of European economic development to 1660. Prereq: Junior standing or permission.

352 (852L)  Economic History of Europe Since 1760  3 hours
(Same as Econ 352)
A survey of European economic development from 1760 to the present. Prereq: Junior standing or permission.

353 (853L)  Medieval Europe, 284-1095  3 hours
Establishment and development of the medieval church and of feudal society from the declining years of the Roman Empire to the beginning of the Crusades. Prereq: Junior standing or permission.

354 (854L)  Medieval Europe, 1095-1492  3 hours
Religious, social, economic, philosophic and institutional developments of the era extending from the Crusades and the investiture struggle through "the waning of the middle ages." Prereq: Junior standing or permission.

355 (855L)  The Age of the Renaissance  3 hours
An introduction to the economic, social, political, religious, and intellectual changes and to the principal thinkers, writers, and artists of the period extending roughly from 1300-1550. Prereq: Junior standing or permission.
364 (864L) **History of the British Empire and Commonwealth**  3 hours
Britain in America, Africa, India and the Pacific. The development of a dependent empire and the transformation of many dependencies to the status of independent members of the Commonwealth of Nations. Prereq: Junior standing or permission.

391 (891L) **Topics in History**  3 hours
A pro-seminar on selected topics based on a consideration of interpretive historical writings and/or source materials. Prereq: Permission.

401 (801M) **History of Science to 1700**  3 hours
A survey of the development of scientific ideas and techniques from antiquity to the beginning of modern science. Prereq: Junior standing or permission.

402 (802M) **History of Science Since 1700**  3 hours
A survey of the historical and intellectual development of modern science and its relation to technology, society, and social thought. Prereq: Junior standing or permission.

405 (805M) **History of Women in the United States**  3 hours
Study of women's history from the colonial period to the achievement of suffrage. Prereq: Junior standing or permission.

406 (806M) **History of Women in the United States**  Part II. Prereq: Junior standing or permission.

411 (811M) **American Social and Intellectual History to 1865**  3 hours
Primarily a non-political approach to American History, this course will examine significant topics in American thought and society. Prereq: Junior standing or permission.

412 (812M) **American Social and Intellectual History Since 1865**  3 hours
Primarily a non-political approach to American History, this course will examine significant topics in American thought and society. Prereq: Junior standing or permission.

413 (813M) **The Revolutionary Era, 1763-1789**  3 hours
An analysis of the imperial and internal forces which led to the Revolution and an examination of the economic, social, and political problems of the emerging nation. Prereq: Junior standing or permission.

414 (814M) **The Early Federal Period, 1789-1815**  3 hours
A study of the interworkings of politics, economics, and foreign affairs in molding government and society during the formative years of the United States. Prereq: Junior standing or permission.
416 (815M) **The Jacksonian Era** 3 hours
An interpretive study of the middle period of American History.
Prereq: Junior standing or permission.

418 (818M) **Civil War and Reconstruction** 3 hours
A period study from 1845 to 1877. The backgrounds of the Civil War,
the War Years, and the reshaping of the Union during Reconstruction.
Prereq: Junior standing or permission.

424 (824M) **The Emergence of Modern America: 1877-1901** 3 hours
A study of a transitional period in American history, this course
considers the importance of industrialization, urbanization,
immigration, and the emergence of the United States as a significant
world power. Prereq: Junior standing or permission.

427 (827M) **Twentieth Century America to 1932** 3 hours
A study of the history of the United States from the end of the
nineteenth century to the election of Franklin D. Roosevelt to the
Presidency in 1932. Prereq: Junior standing or permission.

428 (828M) **Twentieth Century America Since 1932** 3 hours
A study of the history of the United States since the election of Franklin
D. Roosevelt to the Presidency in 1932. Prereq: Junior standing or permission.

433 (833M) **Constitutional History of the United States to 1860** 3 hours
A history of constitutional theory and practice since 1860. Prereq:
Junior standing or permission.

434 (834M) **Constitutional History of the United States Since 1860** 3 hours
A history of constitutional theory and practice since 1860. Prereq:
Junior standing or permission.

442 (842M) **History of American Science** 3 hours
A study of the origins, development, and nature of American science
and its relations with technology, social thought, and government.
Prereq: Junior standing or permission.

443 (843M) **American Urban History to 1870** 3 hours
Historical survey of urban development in the United States from the
colonial period through the 1860's; urban society, problems,
institutions; role of cities in national history; American ambivalence
toward cities. Prereq: Junior standing or permission.

444 (844M) **American Urban History Since 1870** 3 hours
American urbanization from 1870's to the present; influence of
technology, transportation, industry, immigration; urban politics and
reform movements; emergence of metropolitan America and problems
of the contemporary super-city. Prereq: Junior standing or permission.
447 (847M) **History of American Medicine and Public Health** 3 hours
Analysis of the relationship and interaction of medical thought and practice, public health problems and institutional development, and the changes in American society and culture from the 17th to the 20th century. Prereq: Junior standing or permission.

451 (851M) **Intellectual History of Modern Europe from the Renaissance to the French Revolution** 3 hours
A study of historically potent political, religious, economic, scientific and philosophical ideas in the Western European culture from the Renaissance to the French Revolution as a basis for stimulating the spirit of philosophical inquiry in each student. Prereq: Junior standing or permission.

452 (852M) **Intellectual History of Modern Europe from the Early Nineteenth Century to the Present** 3 hours
A study of the historically potent scientific, economic, and philosophical ideas of the last century and a half. Emphasis will be upon the answers of Western European culture to life's great questions. Prereq: Junior standing or permission.

453 (853M) **The Age of the Reformation** 3 hours
Study of an era characterized by the dissemination of Renaissance culture, the declining authority of the medieval church, nascent "nationalism," changing economic and social patterns, religious upheaval, and interrelated political rivalries and strife. Prereq: Junior standing or permission.

454 (854M) **The Age of Absolutism** 3 hours
The emergence of new power relationships on the European Continent after the religious wars of the sixteenth century with an emphasis upon the political, military, and cultural factors that led to the French hegemony and the secularization of European politics. Prereq: Junior standing or permission.

455 (855M) **The Age of Enlightenment** 3 hours
An examination of eighteenth century society and culture with the attendant rise of Prussia, the growing importance of Russia, "enlightened absolutism," and the causes of the French Revolution. Prereq: Junior standing or permission.

456 (856M) **The French Revolution and Napoleonic Era: 1789-1815** 3 hours
A study of the French Revolution and the Napoleonic Era with particular attention to the development of democratic practice concurrently with the development of modern authoritarianism. Prereq: Junior standing or permission.

457 (857M) **Nineteenth Century Europe: 1815-1848** 3 hours
An advanced interpretive analysis of the political and cultural
development of Europe from the Congress of Vienna through the Revolutions of 1848. Prereq: Junior standing or permission.

458 (858M) Nineteenth Century Europe: 1848-1890 3 hours
An advanced interpretive analysis of the political and cultural development of Europe from the Revolutions of 1848 to 1890. Prereq: Junior standing or permission.

461 (861M) Tudor and Stuart England 3 hours
A study of England under the Tudors when the English people rose magnificently and experienced a Golden Age, and the Stuarts then cast off the last remnants of medieval things and formed new institutions foreshadowing those of our world of today. Prereq: Junior standing or permission.

462 (862M) England in the Eighteenth and Nineteenth Centuries 3 hours
A study of the change and development in Great Britain from 1714 to 1914. Prereq: Junior standing or permission.

463 (863M) English Constitutional History to 1485 3 hours
The development of the legal and governmental institutions of the English-speaking people to 1485, including England's central and local governments. Prereq: Junior standing or permission.

464 (864M) English Constitutional History Since 1485 3 hours
The development of the legal and governmental institutions of the English-speaking people since 1485, including British central and local government and the governments of the member states of the Commonwealth and of the more important colonies. Prereq: Junior standing or permission.

474 (874M) Nineteenth Century Intellectual History of Russia 3 hours
A pro-seminar emphasizing the nineteenth-century revolutionary tradition, prototypes, ideology and impact upon Russian society. Prereq: Junior standing or permission.

477 (877M) Europe in Crisis: 1890-1932 3 hours
A study of the conditions and forces immediately precedent to World War I, the war itself, the peace following the war and the rise of the modern dictatorships. Prereq: Junior standing or permission.

478 (878M) Europe in the Global Age: 1933 to the Present 3 hours
A study of the ever increasing tensions between the fascist and communist dictatorships and the Western democracies, World War II, the resultant dislocation of power and the emergence of the "Balance of Terror." Prereq: Junior standing or permission.

490 Problems in History 1-5 hours
Advanced research in history arranged individually with undergraduate students (not open for graduate credit). Prereq: Permission of instructor.
Historical Research
The critical method in collecting, organizing and presenting historical material. Prereq: Permission of instructor. (Not open for graduate credit).

Great American Historians
A survey of American historical writing from colonial days to the present. Prereq: Permission of instructor. (Not open for graduate credit).

Great European Historians
A pro-seminar designed to acquaint the student with significant developments in the writing of European History from Homer to Toynbee. Prereq: Permission of instructor. (Not open for graduate credit.)

A maximum of six hours of the following courses may be taken in partial fulfillment of the requirements for the History major. This six hours shall include Black Studies 241-242 if taken to meet the required 200-level course sequence. If a student wishes to substitute any course not listed below in partial fulfillment of the History major, he must petition the Executive Committee of the Department of History. In so doing the student must demonstrate that the proposed substitute is germane to his particular historical field of interest. Such petition must be made and approved prior to enrollment.

Culture of Latin America — Foreign Languages (Spanish)

Mexican American Literature — Foreign Languages (Spanish)

Urban Geography — Geography, Geology

Great Plains and Nebraska — Geography, Geology

Historical Geography of the United States — Geography, Geology

Advanced Research Project in History
Advanced research in history arranged individually with graduate students. Prereq: Graduate standing and permission of instructor.

Historical Research
The critical method in collecting and organizing historical materials; the processes of verification, evaluation, and organization of facts; the problems of writing; documentation, styling and printing the product. Prereq: Graduate standing and permission of instructor.

Great American Historians
A survey of the history of American historical writing from colonial times to the present. Reports based on selected readings. Prereq: Graduate standing and permission of instructor. (Not open for credit to students who have taken Hist. 496 or the equivalent.)
807M  Great European Historians  3 hours
A pro-seminar designed to acquaint the student with significant developments in the writing of European History from Homer to Toynbee. Prereq: Graduate standing and permission of instructor. (Not open for credit to students who have taken Hist. 497 or the equivalent.)

The following seminars lay stress on individual research on significant problems as indicated, where appropriate, by subtitles. An introduction to bibliography and demonstration of the methods of historical research will be incorporated in each seminar. Prereq: Graduate standing and permission of instructor. Each 3 hours.

810V  (910)  Seminar in American History
851V  Seminar in European History
899  Thesis

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

941  (Also Economics 941) Seminar in American Economic History since 1865
     (W. R. Petrowski)

963  Seminar in British History (A. S. Trickett)

HUMANITIES
Associate Professor: PALMER (Director)
Instructor: MAJORS

101  Introduction to the Humanities  5 hours
An attempt to see how art, music, literature, and the history of ideas in Western culture contribute to the understanding of human existence. The first semester explores classical Greek, Medieval, and Renaissance views of the meaning of life.

102  Introduction to the Humanities  5 hours
A survey of the interrelationship of arts and ideas in the modern world, and their impact on the question of the meaning of being human.

480  Hermeneutics: Interpretation Theory  3 hours
( Same as Religion 480)
A study of the role of language in human understanding and the way this affects the interpretation of creative literature, sacred myths and texts, legal and historical documents, social and psychic phenomena, political rhetoric, music and visual art, archaeological artifacts, scientific observation, and philosophical statements. The course will include a study of the major figures in hermeneutical theory, as well as opportunity for research into the hermeneutical significance of outstanding thinkers in the student's area of interest. Preq: Senior Standing or Permission of Instructor.
JOURNALISM
PROFESSORS: COWDIN (Chairman), DUNCAN
Associate Professor: REILLY
Assistant Professors: FRANCKE, HEIN, McCARTNEY,
SIMPSON

A major in journalism consists of a minimum of 30 hours. The following courses, which comprise a core program in both print and broadcast journalism, are required of all majors:

215  News Writing and Reporting  3 hours
216  News Editing  3 hours
301  History of Mass Communications  3 hours
303  Radio and TV News Writing  3 hours
311  Photography  3 hours
327  Reporting of Public Affairs I  3 hours

One advanced writing course from among the following:
322  Critical Writing for the Mass Media
328  Public Affairs Reporting II
350  Magazine Article Writing, or
410  Literary Aspects of Journalism  3 hours
440  Mass Media and Society, or
441  Communications Law  3 hours
420  Theories of Mass Communication, or
450  Mass Communications and Public Opinion, or
490  Seminar in Mass Communications  3 hours
  27 hours

In addition, all journalism majors are strongly urged either to work on student publications (credit is available by enrolling in Applied Journalism) or to take the Journalism Internship (Journalism 497), the Advertising-Public Relations Internship (Journalism 498), or the equivalent. The major must maintain at least a “C” average in all journalism courses, and required courses with less than a “C” may not be applied toward the major.

Journalism 101 is intended primarily for students who are not certain about a major field and want to find out more about journalism as a possible major; students who are majoring in another field but who want a survey of journalism and mass communications (Journalism 101 may be applied to the humanities requirement), and students who plan to teach journalism in secondary schools — for these students, Journalism 101 is required.

Students who wish to teach journalism in secondary schools may elect either (1) the major described above, in which case they must satisfy the requirements for a Secondary Teaching Certificate, or (2) a major in the College of Education, in
which case they must pass with a grade of “C” or above 26 hours of journalism, including Journalism 101, 215, 216, 301, 311, 327, 440 or 441, two semesters of Applied Journalism, and a three-hour elective.

Journalism majors may pursue either a Bachelor of Arts degree with a major in journalism or a Bachelor of Science degree with a major in journalism. The requirements for the two programs are as follows:

<table>
<thead>
<tr>
<th></th>
<th>B.A. Credit Hours</th>
<th>B.S. Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>English</em></td>
<td>6</td>
<td>6</td>
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<td><em>Humanities</em></td>
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<td>*Natural Sciences</td>
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<td>*Social Sciences</td>
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<td>*Foreign Language</td>
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<td>Mathematics, Logic or Computer Science</td>
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<td>Journalism</td>
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<td>Second Field</td>
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<td>Electives</td>
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The primary difference between the two programs is that the student in the B.S. program substitutes the equivalent of a second major field for the foreign language requirement in the B.A. program. For his second field, the student — after consultation with his journalism adviser — may select courses in an area that is consistent with his professional interests from within any of the colleges in the university. The only exception is speech-broadcasting: a student may not take more than a total of 45 hours in journalism and speech-broadcasting courses combined.

The student may also select a divisional major in the humanities, social sciences, or natural sciences for his second field; the divisional major consists of 24 hours above the freshman level in addition to the 12-hour college divisional requirement. Of the total 36 hours, 15 hours must be junior or senior level; there must be three subject fields within the 36 hours; and a minimum of 15 hours must be in one subject field.

For students interested in particular sequences within mass communications, the following courses are recommended as supplementary to the journalism requirements above:

**News-Editorial (Newspaper) Sequence:**
- Journalism 322: Critical Writing for the Mass Media 3 hours
- Journalism 328: Reporting of Public Affairs II 3 hours
- Journalism 410: Literary Aspects of Journalism 3 hours
- Journalism 497: Journalism Internship 3 hours

**Broadcast Journalism Sequence:**
- Journalism 315: Newsfilm and Documentaries 3 hours
- Speech 230: Introduction to Radio-TV 3 hours
- Speech 331: Basic Television Production 3 hours
- Speech 336: Basic Radio Production 3 hours

*Fulfills requirements of College of Arts and Sciences.

**Must include 3 hours of oral communication.

***In the B.A. program the Journalism Dept. requires 18 hours in the social sciences instead of 12, to include at least 3 hours in history, political science, economics, sociology and psychology, and a second course in one of those disciplines.*
College of Arts and Sciences

Magazine Journalism Sequence:
Journalism 350: Magazine Article Writing 3 hours
Journalism 351: Magazine Editing 3 hours
Journalism 362: Principles of Advertising 3 hours
Journalism 363: Advanced Advertising 3 hours
Journalism 410: Literary Aspects of Journalism 3 hours
English 331: Basic Fiction Writing 3 hours
English 421 or 422: Advanced Fiction Writing 3 hours

*Mass Communication Theory Sequence:
Journalism 420: Theories of Mass Communication 3 hours
Journalism 440: Mass Media and Society 3 hours
Journalism 443: International Communications 3 hours
Journalism 450: Mass Communications and Public Opinion 3 hours
Journalism 490 or 491: Seminar in Mass Communications 3 hours
Speech 451: Persuasion 3 hours
Philosophy 341: Philosophy of the Social Sciences 3 hours
Philosophy 421: Philosophy and Language 3 hours

Advertising Sequence:
Journalism 362: Principles of Advertising 3 hours
Journalism 363: Advanced Advertising 3 hours
Journalism 423: Public Relations 3 hours
Journalism 450: Mass Communications and Public Opinion 3 hours
Journalism 498: Advertising and Public Relations Internship 3 hours
Economics 201 and 202: Principles of Economics 6 hours
Marketing 331: Marketing 3 hours

Public Relations Sequence:
Journalism 423: Public Relations 3 hours
Journalism 450: Mass Communications and Public Opinion 3 hours
Journalism 350: Magazine Article Writing 3 hours
Journalism 351: Magazine Editing 3 hours
Journalism 362: Principles of Advertising 3 hours
Journalism 498: Advertising and Public Relations Internship 3 hours
Economics 201 and 202: Principles of Economics 6 hours

The student who is interested in urban journalism — whether print or broadcast — is encouraged to consider the urban studies major as his second field if he is pursuing the B.S. degree in journalism. If he is pursuing a B.A. degree, the following courses are recommended (and can, of course, be applied toward the social science requirement):
Economics 201 and 202: Principles of Economics 6 hours
Economics 456: State and Local Finance 3 hours
Political Science 301: Municipal Government 3 hours

Minor in Journalism
Students may earn a minor in journalism by completing 15 hours, including Journalism 215 and 12 upper division hours. All courses must be completed with a grade of "C" or better.

*Students interested in this sequence should consult the department chairman for additional suggestions.
101 Introduction to Mass Communications 3 hours
An introduction to the mass media, including newspapers, radio, television, books, magazines, advertising, public relations, and movies, surveying their functions in American society.

215 News Writing and Reporting 3 hours
Theory and practice of writing and reporting for mass audiences, with emphasis on the print media. Prereq: Engl. 111 and typing ability.

216 News Editing 3 hours
Evaluation, editing and production of news for print media. Also headline writing, layout, and typography. Prereq: 215 or permission.

301 History of Mass Communications 3 hours
The American press from 1690 up to and including the mass media of today, with emphasis on the history of newspapers, magazines, and broadcast journalism. Prereq: Sophomore standing.

303 Radio and TV News Writing 3 hours
The theory and practice of gathering, writing and editing news for broadcast journalism. Preq: Journ. 215 or permission.

311 Photography 3 hours
The theory, techniques and application of basic photographic operations of exposure, development and printing. Prereq: Sophomore standing.

315 Newsfilm and Documentaries 3 hours
(Same as Speech 333)
Theories and techniques of filming and producing television newsfilm and documentaries. Prereq: Journ. 311 or permission.

322 Critical Writing for the Mass Media 3 hours
Theory and practice of writing criticism of the arts and other forms of interpretative, feature, and editorial writing. Prereq: Junior standing.

327 Reporting of Public Affairs I 3 hours
Proper and effective procedures used in covering such activities as trials, conventions, addresses, council meetings and other public affairs. Prereq: Sophomore standing.

328 Reporting of Public Affairs II 3 hours
Investigative reporting and writing of interpretative stories on metropolitan problems, business and industry, labor, law, politics, health and science. Prereq: Journ. 215 and 327.

350 Magazine Article Writing 3 hours
The writing and marketing of non-fiction articles for magazines. Prereq: Junior standing.
351 **Magazine Editing** 3 hours
A survey of the magazine as an area of specialization involving editorial objectives and content, production processes and planning, business management, and layout design. Prereq: Junior standing.

362 **Principles of Advertising** 3 hours
An introduction to advertising principles in all media, including the psychology of advertising; the creative, production and marketing aspects; and practical exercises in both print and broadcast media. Prereq: Junior standing or permission.

363 **Advanced Advertising** 3 hours
Theory and practice of advertising campaigns, including creation and production of campaigns for a variety of goods and services. Prereq: Journ. 362.

390 **The Hand Produced Book** 3 hours
(Same as Fine Arts Press 390)
A studio course in design and hand production: manuscript selection, editing, illustration, layout, composition, letterpress printing, binding, and distribution. Students work on projects at the University's fine arts press.

*397 **Applied Journalism (Gateway)** 1-2 hours
Application of journalistic theory to work on the campus student newspaper. Ordinarily one credit hour. Two credit hours will be granted to selected editors. Preq: Permission of editor and adviser. May be taken for credit/no credit only.

*398 **Applied Journalism (Yearbook)** 1-2 hours
Application of journalistic theory to work on the campus yearbook. Ordinarily one credit hour. Two credit hours will be granted to selected editors. Preq: Permission of editor and adviser.

410 **Literary Aspects of Journalism** 3 hours
Survey of the journalistic works of pertinent American writers through readings, lectures, discussions and creative writing assignments. Prereq: Junior standing.

420 (820M) **Theories of Mass Communication** 3 hours
A study of the philosophical, political, sociological and psychological theories of mass communication. Prereq: Junior standing.

423 (823M) **Public Relations** 3 hours
A study of the principles, problems and techniques of the public relations function through lectures, discussions and case histories. Preq: Junior standing or permission.

*Total credits in Applied Journalism may not exceed six hours.*
424 **Publicity Methods**
3 hours
A survey of and practice in the use of the various methods of communication (the news release, the photograph, etc.) in order to achieve a preconceived end with a given audience. Prereq: Journalism 215 or permission.

430 **History of Manuscript Books**
3 hours
(Same as Fine Arts Press 430)
Heuristic survey of books and collateral forms, their physical, technical, and cultural qualities, from primitive archetypes to Gutenberg. Seminar format. Prereq: Junior standing.

431 **History of Printing**
3 hours
(Same as Fine Arts Press 431)
A study of the origins and development, technologically, esthetically, sociologically, psychologically, and institutionally, of books and collateral graphic media. Seminar-symposium format. Prereq: Junior standing.

440 **Mass Media and Society**
3 hours
An analysis of the agencies of mass communication as social institutions, with emphasis on their organization and structure, their normative statements and reflected values, and the interaction of individual roles within the mass media. Prereq: Junior standing.

441 **Communications Law**
3 hours
(841 M)
A discussion of laws, legal issues, court decisions and government regulations which have special application to the mass media, such as libel, privacy, contempt of court, copyright, censorship, and the Federal Communications Commission. Prereq: Junior Standing.

443 **International Communications**
3 hours
A comparative study of the mass communication systems, print and broadcast, in the world today. Prereq: Junior standing.

450 **Mass Communications and Public Opinion**
3 hours
(850 M)
A study of the nature and formation of public opinion and its significance in our society; the nature of propaganda and its methods; and the relationship between public opinion, propaganda, and the mass communication process. Prereq: Junior standing.

490-491 **Seminar in Mass Communications**
3 hours
(890M-891M)
A senior seminar applying historical and theoretical perspective to current issues and developments in mass communications. Prereq: Junior standing and 6 hours of journalism.

497 **Journalism Internship**
3 hours
Professional journalism experience under supervision with a newspaper, radio station, television station, etc. Prereq: Permission of instructor and department chairman.
Advertising and Public Relations Internship  
Professional media experience under supervision with an advertising or public relations department or agency. Prereq: Permission of instructor and department chairman.

Independent Study  
Individual study, research, or professional projects in mass communications under faculty supervision. Prereq: Permission of department chairman.

MATHEMATICS AND COMPUTER SCIENCE

PROFESSOR: HAEDER
Associate Professors: MARGARET P. GESSAMAN (Acting Chairwoman), BANDY, DOWNING, FREIVALD, HANCOCK, MALONEY, K. SMITH
Instructors: K. BROWN, CRAMER, KARLOFF, KERRIGAN, SHARIEFF

A major in mathematics for the Bachelor of Arts degree or a department major in mathematics for secondary school certification consists of 18 semester hours beyond 197, including 423 and at least one of the courses 411 and 427. A student may include in the 18 hours as many as 6 hours of computer science courses beyond 172. Students who contemplate graduate work in mathematics should include 411-412, 423-424, and 427 in their programs. Majors are urged to acquire some knowledge of computers.

A teaching field in mathematics for secondary school certification and a departmental major for elementary school certification are available from the department.

A Bachelor of Science degree with a major in Computer Science consists of 34 hours Computer Science, 21 hours Mathematics and 18 hours from an additional area. (1) Required Computer Science courses — 170, 172, 230, 231, 235, 250, 332, 450 and 451. (2) Two of the Computer Science courses — 422, 435, or 470. (3) An additional Computer Science elective. (4) Required Mathematics courses — 195, 196, 197, 211, 311, 353. (5) An additional 18 hours from another area approved by the department as a cohesive group of courses. (6) The remainder of the requirements are identical with those for a Bachelor of Arts degree except there shall be no foreign language requirement.

A Bachelor of Arts degree with a major in Computer Science consists of 34 hours Computer Science and 21 hours Mathematics as in 1, 2, 3, and 4 above and all other requirements for a Bachelor of Arts degree, including the language requirements.

COMPUTER SCIENCE

*150 Computer Concepts  
Introduction to historical development of computers, a computer language, and implications of computing to daily life. Not for credit toward a degree in computer science. Prereq: High School Algebra.

*This course is the same as the course CS 230 in the 1973-74 catalog.
170 **Computer Language: FORTRAN** 2 hours
Preparation for use of computers in scientific problems. Prereq: One year each of high school algebra and geometry or placement.

171 **Computer Language: COBOL** 2 hours
Preparation for use of computers in business. Prereq: One year each of high school algebra and geometry or placement.

172 **Computer Language: PL/I** 2 hours
Preparation for use of computers in scientific, business, and non-numeric problems. Prereq: One year each of high school algebra and geometry or placement.

**230 **Computers and Programming I** 3 hours
Computer Structure, Data Representation, Addressing Techniques, Symbolic Coding and Assembly Systems, with emphasis on programming in assembler languages. Prereq: C.S. 170 Computer Language: FORTRAN.

231 **Computers and Programming II** 3 hours

235 **Discrete Structures** 3 hours
Set algebra including mapping and relations, propositional logic, and Boolean algebra. Algebraic Structures, including semi-groups and groups, and elements of the theory of directed and undirected graphs. Prereq: Math 195, C.S. 230, C.S. 231.

250 **Advanced FORTRAN Programming** 3 hours
Principles and practice of writing effective FORTRAN programs through the use of JCL and system packages as applied to numerical or non-numerical computer problems. Prereq: C.S. 170 Computer Language: FORTRAN.

322 **Advanced Programming Techniques** 3 hours
The analysis and composition of advanced programs used with contemporary computers. Prereq: Math 195, 211, and a computer language.

330 (830J) **Numerical Methods** 3 hours

**This is a new course this year and is not the same as C.S. 230 described in 1973-74 catalog. This course is available to students who had C.S. 230 prior to the Fall, 1974.**
332 (832J) Data Structures 3 hours
List processing languages, theories of file organization, theories of
system design, information retrieval, applications. Prereq: Math 195,
211, and a computer language.

422 (822M) Programming Languages 3 hours
Formal definition of programming languages including specification
of syntax and semantics. Simple statements including precedence,
infix, prefix, and postfix notation. Global properties of algorithmic
languages including scope of declaration, storage allocation, grouping
of statements, binding time of constituents. Subroutines, coroutines,
and tasks. List processing, string manipulation, data description, and
simulation languages. Run-time representation of program and data
structures. Prereq: C.S. 322, C.S. 421, or equivalent.

430 (830M) Linear Programming 3 hours
An introduction to linear programming and applications. Prereq:
Computer Science 322 or equivalent.

435 (835M) Computer Organization 3 hours
Basic digital circuits, Boolean algebra and combinational logic, data
representation and transfer, and digital arithmetic. Digital storage and
accessing, control functions, input-output facilities, system
organization, and reliability. Description and simulation techniques.
Features needed for multiprogramming, multiprocessing, and real-
time systems. Other advanced topics and alternate organizations.
Prereq: C.S. 322, C.S. 421, or equivalent.

450 Systems Programming I 3 hours
Operating System Principles, Procedure, Processes, Memory
Management. Characteristics and issues of Modern Operating

451 Systems Programming II 3 hours
Continuation of C.S. 450. Operating System Principles. Name
Prereq: C.S. 450.

470 (870M) Introduction to the Theory of Compilers 3 hours
Assemblers, interpreters, compilers. Prereq: C.S. 322 or equivalent.

MATHEMATICS

050 Remedial Algebra 0 hours
A review of elementary high school algebra, introduction to set theory,
and a general preparation for a college-level course in intermediate
algebra. Prereq: One semester of high school algebra or equivalent.
**100 Introduction to Mathematics**  2 hours
A theory of arithmetic for elementary teachers. Open only to elementary education students.

121 **Algebra**  3 hours
Introductory college algebra from a contemporary point of view. Study of polynomials, equations, functions, graphs, logarithms. Preq: 3 semesters of high school algebra, or demonstrated proficiency.

122 **Trigonometry**  2 hours
Elements of plane trigonometry with applications to geometry and physics. Prereq: Two years high school mathematics including one semester of plane geometry, or demonstrated proficiency.

143 **Elementary Topics in Mathematics**  3 hours
A topical study of mathematics to acquaint non-mathematics majors with the nature of mathematics as part of our culture. Includes basic concepts from logic, set theory, probability, statistics and other selected topics. Prereq: None.

153 **Introduction to Applied Probability and Statistics**  3 hours
An elementary introduction to the basic concepts of probability theory and statistical inference (as applied to the binomial and normal distribution) including point estimation, confidence intervals, and hypothesis testing. Prereq: One year of high school algebra or permission of instructor.

195 **Calculus I**  5 hours
196 **Calculus II**  4 hours
197 **Calculus III**  3 hours
Differentiation and integration of algebraic, trigonometric, exponential, logarithmic and hyperbolic functions with analytic geometry and vectors. Prereq: For 195 — Four years of high school mathematics including trigonometry or equivalent. 195 required for 196, and 196 required for 197.

211 **Linear Algebra**  3 hours
A first course in Linear Algebra to include vectors, vector spaces, determinants, matrices, linear transformations, and characteristic value problems. Prereq: One semester of Calculus or permission of instructor.

225 **Calculus of Vector Functions**  3 hours
Calculus of real and vector functions with linear algebra including gradient, divergence, curl, Green's Theorems and Stokes' Theorem. Prereq: Math 196 and 211 or equivalent.

*Credit not allowable toward degrees in the College of Arts and Sciences.*
235 **Advanced Mathematics for Engineers I** 3 hours

236 **Advanced Mathematics for Engineers II** 3 hours

311 (811J) **Differential Equations** 3 hours
Methods of solving ordinary differential equations, with applications to geometry and physics. Linear differential equations are emphasized. Prereq: Math 196.

353 (853J) **Probability and Statistics I**

354 (854J) **Probability and Statistics II**  Each 3 hours
Events and probabilities, dependent and independent events, random variables, discrete distributions, absolutely continuous distributions, expectation and limit theorems, point estimation, testing of statistical hypotheses, confidence intervals, linear models, nonparametric methods. Prereq: Math 197. 353 required for 354.

360 (860J) **Elementary Topology** 3 hours
Sets and functions, metric spaces, topological spaces, continuous functions and homeomorphisms, connectedness, compactness. Prereq: Math 196 and Junior standing (or equivalent maturity).

364 (864J) **Modern Geometry** 3 hours
Axiomatic systems, finite geometries, modern foundations of Euclidean geometry, hyperbolic and other non-Euclidean geometries, projective geometry. Prereq: Math 196 or equivalent mathematical maturity.

411-412 (811M-812M) **Abstract Algebra**  Each 3 hours
An introduction to abstract algebra: congruence relations, groups, fields, linear transformations and matrices. Prereq: 6 hours of mathematics numbered 300 or above or permission. Math 411 required for Math 412.

423-424 (823M-824M) **Mathematical Analysis**  Each 3 hours
Semester I: Limits, continuity, differentiation and integration.
Semester II: Infinite series, power series, differentiation and integration of functions of several variables.
Prereq: 6 hours of mathematics courses numbered 300 or above. 423 required for 424.

427 (827M) **Complex Variables** 3 hours
Differentiation, integration and power series expansions of analytic functions, conformal mapping, residue calculus and applications, analytic continuation, singularities and representations of analytic functions. Prereq: Math 423 or Advanced Calculus.
429  (829M)  Theory of Ordinary Differential Equations  3 hours
Vector spaces, existence and uniqueness theorems, systems of linear
equations, and two point boundary problems. Prereq: Math 311 and
423.

433  (833M)  Operational Mathematics  3 hours
Laplace transform and properties, applications, Inversion integral,
heat conduction problems, Sturm-Liouville systems, Fourier
transforms. Prereq: Math 311.

441  (841M)  Introduction to the Foundations of Mathematics  3 hours
Logic, the axiomatic method, properties of axiom systems, set theory,
cardinal and ordinal numbers, metamathematics, construction of the
real number system, historical development of the foundations of
mathematics, recent developments. Prereq: Senior or Graduate
classification.

451  (851M)  Theory of Numbers  3 hours
Congruences, quadratic reciprocity, diophantine equations, continued
fractions, and prime number distribution. Prereq: Junior standing,
three semester of college mathematics including one year of calculus.

460  (860M)  Tensor Analysis  3 hours
A review of vector analysis, study of bisors and space tensors,
applications to geometry and mechanics. Prereq: Math 311 or
equivalent.

498  Seminar  1-3 hours
A seminar in mathematics. Prereq: Permission of instructor.

499  Independent Studies  1-3 hours
A variable credit course for the advanced junior or senior who will
benefit from independent reading assignments and research type
problems. Prereq: Permission of department chairman.

825V  Partial Differential Equations  3 hours
Linear and nonlinear first order equations, self-adjoint elliptic
equations, linear integral equations, eigenfunctions, and boundary
value problems. Prereq: Math 423 and 311.

835V-836V  Theory of Analytic Functions  Each 3 hours
Semester I: Complex numbers, analytic and elementary functions,
complex integrations.
Semester II: Calculus of residues, entire and meromorphic functions.
Normal families, and conformal mappings. Prereq: Math
423, 424 or 427. 835V needed for 836V.

845V  Calculus of Variations  3 hours
An introductory course devoted to the classical theory and problems,
such as the Brachistochrone problem and the problems in parametric
860V **Differential Geometry**
Differential manifolds, integral calculus on manifolds, Lie groups, differential geometry of Euclidean space. Prereq: Math 423.

*862V-863V **Introductory Topology**
An introduction to general topology including set theory, topological spaces, continuous maps and homeomorphisms, connectedness, compactness, separation axioms, metric spaces, convergence. Prereq: Permission of instructor, 862V required for 863V.

898 **Graduate Seminar**
A graduate seminar in mathematics. Prereq: Permission of instructor.

899 **Thesis**
Prereq: Permission of department chairman.

899V **Independent Graduate Studies**
Under this number a graduate student may pursue studies in an area that is not normally available to him in a formal course. The topics studies will be a graduate area in mathematics to be determined by the instructor. Prereq: Permission of instructor and graduate classification.

911 **Advanced Topics in Algebra I**

912 **Advanced Topics in Algebra II**

**923-924 ** **Theory of Functions of Real Variables**
The real number system, generalized convergence, continuity, semicontinuity, bounded variation, differentiation, Lebesgue-Stieltjes integration, abstract measure theory, Lp spaces. Prereq: Math 423-424 (823-824) or Advanced Calculus. 923 needed for 924.

926-927 **Functional Analysis**
Semester I: Normed linear spaces, and operators, duality, Fredholm operators.
Semester II: Spectral Theory, Reflexive Banach spaces, Hilbert Spaces, Self adjoint operators. Prereq: Math 427 and two 800V or higher level courses one of which must be Math 862V or 923.

The ‘T’ designated courses are designed for secondary school teachers. They cannot be counted toward the M.A. or M.S. degree in Mathematics.

* 862V To be offered in the fall of even numbered years. 863V To be offered in the spring of odd numbered years.
** 923 To be offered in the fall of odd numbered years. 924 To be offered in the spring of even numbered years.
801T  **Topics in Finite Mathematical Structures**  
Logic and sets, discrete and continuous probability theory, linear algebra, linear programming, stochastic processes. Prereq: Has teacher certification or is working toward it, or permission of instructor.

802T  **Topics in Geometry and Topology**  
Selections from the following topics: Straight-edge and compass constructions; geometries and transformations — complex numbers and stereographic projection, non-Euclidean geometries; graph theory; topology of the plane; two dimensional manifolds; theory of dimension. Prereq: Has teacher certification or is working toward it, or permission of instructor.

803T  **Topics in the Algebraic Foundations of Mathematics**  
Set theory, number systems and their properties, number theory, Boolean algebras with applications. Prereq: Has teacher certification or is working toward it, or permission of instructor.

804T  **Topics in Computer Science**  
An introduction to digital computers and programming techniques. Brief history of the development of computing, a survey of the applications of computers, and the implications of the use of computers in education. Prereq: Has teacher certification or is working toward it, or permission of instructor.

**COMPUTER SCIENCE**

822M  **Programming Languages**  
Prereq: C.S. 322, C.S. 421 (or equivalent) Formal definition of languages, properties of algorithmic languages, subroutines, coroutines, list processing, string manipulation, data description, simulation languages.

835M  **Computer Organization**  

**PHILOSOPHY AND RELIGION**

PROFESSOR: ANDERBERG  
Associate Professors: BLIZEK (Chairman), PALMER, STOVER  
Assistant Professors: BLUM, BURKE, CEDERBLOM, GILLESPIE, PAULSEN, WILLARD.

A major in philosophy may be secured by successfully completing twenty-seven (27) credit hours in philosophy. The Department strongly recommends Philosophy 201 or 342, 211 and 313 for students who intend to do graduate work in philosophy.
A major in religious studies consists of a minimum of 27 credit hours in the field, of which at least 18 hours must be in upper division courses. Religion 215, 216, 305, and 306 are strongly recommended for all religious studies majors.

**PHILOSOPHY**

101 **Introduction to Philosophy** 3 hours
A first course in philosophy designed to introduce students to the major philosophic positions.

201 **Logic** 3 hours
A study of the principles of correct reasoning: induction, deduction, formal and informal fallacies.

203 **Introduction to Ethics** 3 hours
A critical study of basic moral concepts and problems contained in ethical theories of important Western philosophers: relativism, egoism, happiness, obligation, justice, freedom, conscience, love, religious precepts, moral rules, moral attitudes, and moral language.

211 **History of Ancient Philosophy** 3 hours
A survey of philosophy from its beginning to the Middle Ages; Pre-Socratics, Sophists, Plato, Aristotle, Epicureans, Stoics, Skeptics.

222 **Introduction to Aesthetics and Appreciation** 3 hours
An introduction to the appreciation of art from a philosophical perspective. Students will engage a variety of works in the several arts as a basis for discussing questions regarding the work of art and aesthetic objects, the character of artistic activity, and the nature of appreciation and criticism.

301 **Philosophy of Justice** 3 hours
(Same as Criminal Justice 301)
A philosophical examination of justice and its public administration. Prereq: Junior standing or 3 credits in philosophy.

313 **History of Modern Philosophy** 3 hours
An examination of the leading philosophical ideas of the 17th and 18th centuries; Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. Prereq: Junior standing or permission of instructor.

314 **Nineteenth Century Philosophy** 3 hours
An examination of major views in 19th century philosophy including the development of German idealism, British empiricism, and Marxism. Special attention will be paid to the origins of existentialism, pragmatism and modern empiricism as reactions to 19th century positions. Prereq: Junior standing or permission of instructor.

315 **Philosophy of History** 3 hours
An introduction to representative problems of historical interpretation including theories of historical facts, history and values, periodization
of history, history and political actions. The course will emphasize certain major philosophies of history such as Christianity, idealism, positivism and marxism. Prereq: Junior standing or 3 credits in philosophy.

320 Philosophy of Religion 3 hours
A study of the major arguments for and against the existence of God, religious knowledge, miracles, morality without religion, and immortality. Prereq: Junior Standing or 3 credits in Philosophy.

321 Social Philosophy 3 hours
An examination of the problems and concepts of social and political philosophy. Prereq: 3 credits in philosophy or Junior Standing or permission of instructor.

322 Philosophy of Art 3 hours
A philosophical examination of art from the standpoint of the creative activity of the artist, the work of art, and the reception of art by the public. Prereq: Junior Standing or 3 credits in Philosophy.

326 History of American Philosophy (20th century) 3 hours
A study of the men and movements in 20th century American thought; Pragmatism, Critical Realism, New Realism, along with selected readings from contemporary American thinkers. Prereq: Junior Standing or 3 credits in Philosophy.

340 Philosophy of Natural Science 3 hours
An examination of the history, method and presuppositions of scientific inquiry, concept formation, scientific laws and scientific theories. Prereq: Junior Standing.

341 Philosophy of the Social Sciences 3 hours
An examination of the nature and scope of social science with emphasis on the extent to which the methods of the social sciences resemble those of the natural sciences. Prereq: Junior Standing or 3 hours Phil.

342 Symbolic Logic 3 hours
A first course in symbolic logic designed to introduce students to formal systems of propositional, predicate, and class logic. Prereq: Phil. 201 or permission.

350 Problems in Philosophy 3 hours
Seminar on specialized topics in philosophy. Topics to be arranged. Prereq: Junior standing or 6 hours in philosophy.

351 Existentialism and Phenomenology 3 hours
A historical and critical examination of existentialism with special emphasis on twentieth century European thinkers (e.g., Husserl, Heidegger, Sartre, Moreau-Ponty) and their influence on other fields such as literature, psychology and religion. Prereq: Junior standing or 3 credits in philosophy.
Readings in Philosophy 1-3 hours
Readings in specialized areas or individual problems in philosophy. Prereq: Permission of instructor.

Contemporary Ethical Philosophy 3 hours
Examination of 20th century developments in moral philosophy; naturalism, non-naturalism, emotivism, prescriptivism, and existentialism. Prereq: Philosophy 203 or 6 hours in philosophy or permission of instructor.

Analytic Philosophy 3 hours
An examination of the 20th century movement in philosophy called Philosophical Analysis. Prereq: 3 credits in philosophy or permission of instructor.

Philosophy and Language 3 hours
A critical analysis of the theories of meaning and language represented in the literature of 20th century English speaking philosophers. Prereq: 6 credits in philosophy or permission of instructor.

Concepts of Nature 3 hours
An examination of key philosophical conceptions of nature from the Greeks through the 20th century. Prereq: Senior Standing.

RELIGION

Man and Religion 3 hours
A first course in religious studies, designed to introduce students to ways of understanding religion as a phenomenon in human culture.

African and American Indian Religion 3 hours
Study of religion which is native to Africa and that which is native to America through examination of myths, ceremonies, and symbols. The study will aim toward a knowledge of the basic features of the religion of both regions and a sensitive appreciation for the style of life and belief of the people. Prereq: Sophomore Standing or permission of instructor.

Old Testament 3 hours
A literary and historical approach to the study of the Old Testament in the light of recent scholarship.

New Testament 3 hours
An introduction to the literature of the New Testament from a historical perspective.

Religion in America 3 hours
The role of religion in American culture, seen in the interaction between the inherited religious traditions and the crucial events in American experience and how this affects American identity — past and present. Soph. Stdg. or perm.
301 Phenomenology of Religion 3 hours
After a consideration of various attempts to define what religion is, the course will concentrate on a study of characteristic phenomena in the religious life of man (religious ideas, activities, institutions, customs, and symbols) as they occur in various religious traditions and cultures. Prereq: Junior Standing.

305 Religions of the World — East 3 hours
An introduction to the comparative study of religions, followed by a historical account of the major religions of India and the Far East (Hinduism, Buddhism, Taoism, and Confucianism). Prereq: Junior standing.

306 Religions of the World — West 3 hours
A study of Judaism, Christianity, and Islam, with an introduction to their ancient predecessors. Prereq: Junior Standing.

317 History of Christian Thought 3 hours
The development of Christian thought from the beginnings of Christianity through the Reformation. Prereq: Junior Standing.

318 Modern Christian Thought 3 hours
The history of Christian thought from the Enlightenment to Vatican II. Prereq: Junior Standing.

321 Religion and Culture 3 hours
A study of types of relationships between religion and culture (religion against culture, religion of culture, etc.) and the interaction of religion with various aspects of culture (art, science, politics, etc.) Prereq: Junior Standing.

322 Religion and Reason 3 hours
A critical study of the dialogue between philosophical reason and religious belief. Reason is seen historically in the various roles of enemy, ally, and servant of religion. Consideration of contemporary options for applying intellect to faith. Prereq: Junior Standing or Permission of Instructor.

331 Contemporary Religious Thought 3 hours
A survey of recent developments in religious thought, emphasizing central themes and basic issues in current discussion. Prereq: Junior Standing.

332 Contemporary Religious Thinkers 3 hours
An examination of the thought of significant recent theologians. Prereq: Junior Standing.

333 Roman Catholic Theology Today 3 hours
An investigation of differences and developments in Roman Catholic theology in the latter half of the twentieth century, with consideration of the bases in the “tradition” for the “progressive” theology of today. Prereq: Junior Standing.
350 Special Topics in Biblical Studies 3 hours
Intensive study of selected topics (one or more authors, literary forms, historical periods, or religious ideas) in Biblical literature. (May be repeated for credit as long as the topic is different.) Prereq: Junior Standing.

396 Readings in Religion 1-6 hours
Individual research in selected areas or particular questions in religious studies. Prereq: Permission of instructor.

402 The Buddhist Tradition 3 hours
A study of the Buddhist understanding of man's religious circumstances, including the life and teachings of Gautama the Buddha, the development of Theravada tradition, the philosophy of Nagarjuna, and the major Mahayana movements with special attention to Zen and Tantrism. Prereq: Senior Standing or Permission of instructor.

411 The Judaic Tradition 3 hours
A study of the Judaic understanding of God, man, and world in three stages: (1) the early Hebraic understanding of law and history; (2) the rabbinical tradition and development of Jewish mysticism and philosophy; and (3) contemporary Judaism and movements such as Hasidism, Reconstructionism, and Zionism. Prereq: Senior Standing or Permission of instructor.

430 Existentialism and Religious Thought 3 hours
A study of existentialism in its theistic (e.g. Kierkegaard) and atheistic (e.g. Sartre) forms, and its impact on recent Jewish and Christian thought. Prereq: Junior Standing.

480 Hermeneutics: Interpretation Theory 3 hours
(Same as Humanities 480)
A study of the role of language in human understanding and the way this affects the interpretation of creative literature, sacred myths and texts, legal and historical documents, social and psychic phenomena, political rhetoric, music and visual art, archaeological artifacts, scientific observation, and philosophical statements. The course will include a study of the major figures in hermeneutical theory, as well as opportunity for research into the hermeneutical significance of outstanding thinkers in the student's area of interest. Prereq: Senior Standing or Permission of instructor.
PHYSICS

PROFESSOR: McMILLAN (Chairman)
Associate Professors: GUENTHER, SHULT, FLOCKEN
Assistant Professors: CRAIG, KASHER, SCHMIDT
Instructor: GRAHAM

BACHELOR OF ARTS DEGREE

The requirements for the Bachelor of Arts Degree with a major in physics consist of a minimum of 24 hours of advanced physics beyond the general courses (111, 112, or 211, 212). At least 15 hours of the advanced credit in physics requires calculus as a prerequisite. All physics majors must take Theoretical Physics 325 early in their program as prerequisite to some of the advanced undergraduate courses. Core courses should include 375, 376, at least one of 345 or of 385, at least one of 412 or of 414. Inclusion of all core courses, and of more than the minimum of 24 hours will make a stronger major. One year of General Chemistry should be included. Students intending to go on for graduate work should include a course in Differential Equations.

B.A. majors are expected to complete at least four credit hours of advanced laboratory work.

BACHELOR OF SCIENCE DEGREE

The requirements for the Bachelor of Science Degree, in addition to the general requirements set forth in the catalog consist of a minimum of 27 hours of advanced physics beyond the general courses (111, 112 or 211, 212). A student majoring in physics is expected to complete 325 (Theoretical Physics), 302 (Optics), 345 (Physical Mechanics), 375, 376 (Electricity and Magnetism), 385 (Heat and Thermodynamics), 412 (Modern Physics), and/or 414 (Nuclear Physics), and 455 (Quantum Mechanics). In addition a student is expected to complete at least four hours of advanced laboratory work.

A teaching major in physics shall consist of a minimum of 21 hours of advanced physics beyond the general courses (111, 112 or 211, 212). At least 12 hours of the advanced credit in physics must require math through calculus as a prerequisite. Courses should include Modern or Nuclear Physics, Electricity and Magnetism, Heat or Mechanics, and Optics where possible. Math through differential equations is recommended, as well as a course in General Chemistry.

Double major in Math and Physics. The physics part of a double major may be satisfied by 21 hours of advanced physics beyond the general courses (111, 112 or 211, 212), subject to the same conditions as required above for physics majors. Math Analysis 423 may be used for physics credit if desired.


All physics majors and teaching majors must take laboratory parts of given courses.

All physics majors and teaching majors are required to present a project paper before a scientific group.

Physics majors intending to go on for graduate work should include a course in differential equations.

For the requirements of the general science major see page 80.

A student is not permitted to test out of a course after enrolling in the course. No test-out program is permitted for laboratories.
101 Principles of Physical Science
A selected sampling from the fields of geology, physics, chemistry, and astronomy, correlated with everyday problems in the application of physical science to the home, to the industrial city, and to the environment, leading to an understanding of some of the basic principles and methods of physical science. Lecture, discussion.

101L Principles of Physical Science Laboratory
1 hour

103 Physics of Life
A conceptual course in the qualitative principles and relationships of physics, man and his environment without mathematics. Topics included relate the basic laws of physics and recent developments in scientific advancements to their effects on man.

103L Physics of Life Laboratory
1 hour

105 Introduction to Physics
A terminal one semester course covering major topics in mechanics, heat, sound, electricity, magnetism, light, and modern physics. Designed particularly for non-science liberal arts majors or others for whom such a one semester coverage might be deemed adequate. (Not applicable toward degrees in chemistry, physics, or engineering.) Prereq: H.S. algebra or equivalent.

105L Introduction to Physics Laboratory
1 hour

111-112 General Physics
Two-semester continuing course designed for students with no prior background in physics. Mechanics, Heat and Sound covered in first semester with Electricity and Magnetism, Light and a little Modern Physics — covered the second semester. Prereq: High school Algebra and Geometry.

111L-112L General Physics Laboratory
Each 1 hour

135 Principles of Astronomy
A course designed for students with no prior work in Astronomy and satisfying Divisional Requirements in Natural Sciences. The course includes material on time, earth, moon, sun, solar system, clusters, our galaxy, and theories of stellar and cosmic evolution.

175 Fundamental Physics of Sound
Designed for Music and Speech majors to give them knowledge concerning: the nature of transmission of sound; wave motion; hearing

* Not open to students who have completed courses in both high school chemistry & physics with a grade of "C" or better.
and the ear; pitch; quality; synthesized sound; musical scales; string, wind and percussion instruments, acoustics; resonance, interference; consonance, dissonance; speech sounds; recording and reproduction of sound etc. Three lectures, one discussion, and one two hour lab offered per week. Credits applicable to divisional requirements for music majors. Prereq: H.S. Algebra or equivalent, Music major or permission.

211-212  **General Physics — Calculus Level**  Each 4 hours
Two-semester continuing course designed for students majoring in some area of science, math, or engineering. Mechanics, Molecular Properties of Matter, Heat, and Wave Motion are covered in the first semester, whereas Electricity, Magnetism, Light, and Nuclear Energies are considered during the second semester. Prereq: High school Physics, and Calculus 195, Physics 211 or G.E. 330 Prerequisite to 212 or permission.

211L-212L  **General Physics Laboratory**  Each 1 hour

301  (801L)  **Elements of Electronics**  3 hours
The background of theory, operation, and practice of electronic devices and circuits particularly as they apply to scientific instrumentation. Both solid state and vacuum tube principles and circuits are involved. Prereq: Math thru Trig., and Physics 112 or 212.

301L  (801L)  **Electronics Laboratory**  1 hour

302  (802L)  **Optics**  3 hours
The nature of light energy as disclosed through studies of geometrical optics, physical optics and quantum optics. Prereq: Math 196 and Physics 112 or 212.

302L  (802L)  **Optics Laboratory**  1 hour

315  (815M)  **Developments in Physics (1880-1950)**  3 hours
A modern physics course for science teachers at the secondary level. Concepts rather than mathematical rigor is stressed. Topics include spectroscopy, electronic structure, nuclear structure, basic quantum concepts of matter. Primarily for teachers who have not had an equivalent modern physics course within the past ten years.

316  (316M)  **Modern Developments in Physics**  3 hours
Discussion limited to topics in physics which have been discovered or extensively developed in the past 10 to 15 years. The course elaborates on topics introduced in Physics 315. Prereq: Physics 112 or 212 and Physics 315 or an equivalent modern physics course.

325  **Theoretical Physics**  3 hours
Training in the use of mathematical techniques as applied to the solutions of physics problems encountered in upper level physics courses. Vector operation, Fourier analysis, frequently used
differential and partial differential equations, orthogonal functions, and matrix methods in coordinate transformations are included. Emphasis is given to solving problems from mechanics such as vectorial mechanics, oscillatory systems, wave motion, potential theory etc. Prereq: Calculus and Physics 112 or 212.

335 **Atmospheric Physics** 3 hours
Solar and terrestrial radiation, energy transformations in planetary circulation, condensation and precipitation processes, the upper atmosphere, atmospheres of other planets. Prereq: Calculus and General Physics 112 or 212.

345 **Physical Mechanics** 3 hours
Statics and dynamics of particles and rigid bodies including the equations of LaGrange and Hamilton. Prereq: Calculus, Physics 325 or Permission.

375 (875L) **Electricity and Magnetism I** 3 hours
An advanced discussion of electrostatics and magnetostatics as well as A. C. theory. Prereq: Calculus, Physics 325, or permission.

375L (875L) **Laboratory for Electricity and Magnetism I** 1 hour

376 (876L) **Electricity and Magnetism II** 3 hours
A course in electrodynamics. Topics include Maxwell's Equations and methods for their solution, boundary conditions, as well as energy, momentum, and transformations of the fields. Prereq: Physics 375.

375L (875L) **Laboratory for Electricity and Magnetism II** 1 hour

385 (885L) **Thermodynamics and Statistical Mechanics** 3 hours
The topics of thermodynamics include various equations of state, first and second laws of thermodynamics, thermodynamic potentials and their uses. In addition, an introduction to classical statistics, Bose-Einstein and Fermi-Dirac statistics as well as transport phenomena is given. Prereq: Calculus and Physics 112 or 212.

405 (805M) **Solid State** 3 hours
Behavior of materials in the solid state as concerns Energy Levels, Wave Mechanics, Optical and Electrical Phenomena. Prereq: Calculus and Physics 325 or permission.

407 **The Special Theory of Relativity** 3 hours
This course includes the general historical background, the important experiments, Lorentz transformations, covariant formulation, applications to electromagnetism and mechanics and philosophical implications of special relativity including relationship to the general theory. Prereq: Calculus and Physics 112 or 212.

412 (812M) **Modern Physics** 3 hours
Recent developments concerning the nature of matter, radiation, and
space including relativistic effects and the dualistic behavior of particles and waves. Prereq: Calculus and Physics 112 or 212.

412L (812M) Modern Physics Laboratory 1 hour

414 (814M) Nuclear Physics 3 hours
Methodology and principles of nuclear science, nuclear structure, artificial and natural radioactivity, isotopes, tracer techniques, radiation health physics, reactor theory. Prereq: Calculus and General Physics 112 or 212.

414L (814M) Nuclear Physics Laboratory 1 hour

434 (834M) Principles of Geology 3 hours
Geology course designed primarily for Junior High School and Secondary High School teachers of science or for science majors desirous of broadening background. Includes minerals, rocks, volcanism, diatrophism, gradational agents, geophysics, and a brief contact with historical and structural geology. Prereq: General Physics and/or General Chemistry.

435 (835M) Descriptive Astronomy 3 hours
Astronomy course designed primarily for Junior and Senior High School teachers of science or for science majors desiring to broaden their background. Includes historical highlights, Newtonian mechanics, solar system, meteors, physics of starlight, stars, star systems, and stellar evolution. Prereq: General Physics and/or General Chemistry.

455 (855M) Quantum Mechanics 3 hours
In this rigorous introduction to quantum mechanics the student becomes familiar with the methods of Schrödinger's wave mechanics and Heisenberg's matrix mechanics. Using these techniques the following topics are discussed: particles in potential wells, harmonic oscillator, angular momentum, hydrogen atom, time-dependent and time-independent perturbation theory and molecular bonding.

495-496 (895M-896M) Problems in Physics Each 1-3 hours
Individual laboratory and/or library work in some field of energy. Prereq: General Physics and permission of instructor. For 496: 495 and permission of instructor.

Courses in other departments applicable toward physics major:

**Statics of Engineering** See Engineering 230
**Meteorology** See Engineering 336
**Mathematical Analysis** See Mathematics 423

Education Courses 560 and 570, Harvard Project Physics, are encouraged for Physics Teaching Majors.
POLITICAL SCIENCE

PROFESSORS: CAMP (Chairman), GARFINKEL, LAMBERT, MENARD
REYNOLDS, SCOTT, UITLEY
Associate Professors: FARR, KOLASA
Assistant Professors: CHUNG, JOHNSON, RILEY

The Bachelor of Arts and Bachelor of Science degrees with a major in Political Science are offered by the Department of Political Science. A major consists of a minimum of 27 semester hours in Political Science. Requirements for the B.A. and B.S. degrees in Political Science are identical, except that a foreign language is required for the B.A. but not for the B.S. The basic requirements for a major in Political Science are as follows:

1. Political Science 100 and 110 (unless one is waived by the Department);
2. At least one 3-hour course in each of the following fields: American Politics; Comparative Politics; International Relations; and Political Theory;
3. At least three additional 3-hour courses in Political Science.
4. Six hours of courses in economics; three hours in geography and three hours in public administration.

This is a flexible program, designed to meet a wide variety of student needs and interests. A student may wish, for example, to concentrate in a specific area of Political Science, such as International Relations, or may desire to take as diverse a range of courses as possible. In any case, each student’s program must be carefully planned with a department adviser to meet specific needs and interests.

A Political Science major must earn at least a “C” in all required courses. While a minimum of 27 hours of Political Science is required for a major, up to 45 hours may be applied toward either the B.S. or B.A. degree. Finally, at least 18 hours of Political Science courses must be at the 300 and 400 levels.

The following courses are recommended for those students who have an interest in the particular area:

Graduate Studies in Political Science

Political Science 300, 400, 460.
At least one Political Science course from the following list: 431, 432, 433, or 434.

Pre-Legal

The Political Science major who intends to pursue a legal career is encouraged to obtain as broad and liberal preparation as possible both within the department and outside. While not specifically required, selections from among the following courses are highly recommended for the major seeking entry into law school.

Political Science 405, 418, 419
History 433, 434, 463, 464
Accounting 201, 202
Philosophy 201, 301
Sociology 101
Psychology 101, 345
Criminal Justice 101, 331, 352
Business Administration 322

Public Service

A Political Science major who is interested in a Public Service career is encour-
aged to include in his academic program a pattern of courses selected from, but not limited to, the following list:

Political Science 211, 300, 301
Public Administration 317, 440, 441, 443, 445, 491
Accounting 201, 202
Computer Science (one from the following list: 170, 171, or 172; plus 230)
Social Welfare 345, 346
Geography 412
Urban Studies 201, 499
Criminal Justice 202, 203

The fields of Political Science and the courses they include are as follows:
American Politics: P.S. 110, 211, 216, 217, 301, 312, 403, 404, 405, 410, 412, 418, 419
Comparative Politics: P.S. 250, 435, 436, 437, 450, 458, 460, 464, 466, 468
International Relations: P.S. 221, 322, 326, 420, 421, 428
Political Theory: P.S. 400, 431, 432, 433, 434
Political Science 390, 490, and 492 normally will not satisfy field requirements; however, in extraordinary cases exceptions can be made. No course may be used to satisfy more than one departmental requirement.

**POLITICAL SCIENCE**

100 **Introduction to Political Science**
A basic course in Political Science dealing with the fundamentals of man politically organized. It seeks to introduce students to the fundamental language and concepts of the broad field of Political Science.

110 **American Government: Organization**

211 **American Public Policy**
A study of Cooperative Federalism. This course examines what the various levels of governments do as opposed to structure. Prereq: P.S. 110.

216 **Political Parties**
A study of the organization and operation of the American party system. Prereq: Sophomore Standing.

217 **Pressure Groups and Public Opinion**
A study of the activities of the basic interests and their efforts to influence both the opinion and policy of the public sector of the government. Prereq: Sophomore Standing.

221 **International Relations**
The nature of the international political environment, in terms of the forces, influences, and problems involved in the relations between
nation-states and the means of conducting these relations. Prereq: Sophomore Standing.

250 **Governments of Western Europe** 3 hours
The government and politics of the states of Western Europe, including Great Britain, France, and West Germany. Prereq: Sophomore Standing.

300 **Applied Statistics & Data Processing in Political Science and Public Administration** 3 hours
A course in the basic statistics of political research and public administration decision-making. The emphasis is on the data processing techniques whereby raw data are turned into usable information and on understanding the proper use of statistics. Prereq: Math 143, Department major or permission.

301 **Municipal Government** 3 hours
A course concerned with the development of cities, their forms of government, powers, functions, and problems in an industrialized and urbanized society. Prereq: Junior Standing.

310 **Minority Politics** 3 hours
Designed to develop in the student both awareness and understanding of the roles, functions, and contributions of minorities (religious, ethnic, national, and racial) in the development and operation of the American and other political systems. This is a departmental course; therefore, the focal emphasis and content may change from one offering to the next, depending upon the interests and expertise of the professor. With departmental consent, the course may be taken more than once. Prereq: Sophomore Standing or above.

312 **The Politics of Black Liberation in America** 3 hours
A survey of radical prescriptions against African-American ineffectiveness within the orthodox political system of the United States. (Also listed under Black Studies).

322 **International Organization** 3 hours
The efforts made and the problems involved in providing international institutions capable of peacefully reconciling the differences and advancing the mutual interests of nation-states. Prereq: Junior Standing.

326 **United States Foreign Policy** 3 hours
The conduct and control of United States foreign policy in terms of the influences, processes and machinery of foreign policy formulation and the instruments of implementation. Prereq: Junior Standing.

390 **Independent Studies in Political Science** 1-3 hours
A course designed to permit students to engage in independently directed research. In consultation with the department the student may
design a program of readings or a research project. Prereq: Sophomore, Junior or Senior Standing and permission of the department.

400 **Concepts of Political Behavior** 3 hours
An analysis of the major concepts of political behavior with the emphasis on the logic of political inquiry and the selection of research problems of Political Science and Public Administration. Prereq: 12 hours of Political Science or Public Administration.

403 (803M) **The Presidency** 3 hours
The rise of the institution from Washington to the present, to the position and prestige it holds and how the President uses this power and prestige to influence Congress, the courts, and the public. Prereq: 110, and Junior Standing.

404 (804M) **The Legislative Process** 3 hours
A comprehensive study of the legislative process of the Congress and state legislatures. The major emphasis is on legislative institutions, processes and behavior. Prereq: 110 and Junior Standing.

405 (805M) **The Judicial Process** 3 hours
This is a course in the administration of justice. It examines the Federal and State courts with respect to their powers, judicial selection, the bar, and the reform movements in the most basic of all of man's objectives, "The pursuit of justice." Prereq: 110 and Junior Standing.

410 (810M) **Comparative State Politics** 3 hours
A comparative analysis of the structure and function of American state governments. Institutional aspects will be examined, but primary emphasis will be placed on the policy determination process and the significant variables which pattern this process. Prereq: 110, and Junior Standing.

412 (812M) **Public Opinion and Political Behavior** 3 hours
Analysis of the political socialization process as it relates to opinion formulation and participation and the effects of this process on the operation of the political system. Prereq: Junior Standing.

418 (818M) **Constitutional Law I** 3 hours
The first semester of a two-semester course in American Constitutional Law. It seeks to familiarize the student with the background of the American Constitutional system, the nature of the judicial process and the role of the United States Supreme Court in the development of the institutions and powers of the American Federal System. Prereq: 110, and Junior Standing.

419 (819M) **Constitutional Law II** 3 hours
The second semester of the American Constitutional Law course. It focuses on the role of the United States Supreme Court in delineating
and defining the political and civil rights guaranteed in the United States Constitution. Prereq: 110, and Junior Standing.

420 (820M) **International Politics of Asia** 3 hours
Analysis of contemporary relations among the Asian nations as well as their interactions with the great powers; emphasis on the forces and issues which influence the international system of Asia. Prereq: Junior Standing.

421 (821M) **Foreign Policy of the U.S.S.R.** 3 hours
A study of the foreign policy of the U.S.S.R., with emphasis on developments since 1945. Internal and external influences on Soviet foreign policy, the processes of foreign policy making, and the relations among members of the Communist camp also will be considered. Prereq: Junior Standing.

428 (828M) **Inter-American Politics** 3 hours
Analysis of the role of Latin American states in the international political arena. Emphasis upon developing applying and testing an explanatory theory of international politics through the study of the Inter-American system: the regional institutional and ideological environment, power relations, policies, and contemporary problems. Prereq: Junior Standing.

431 (831M) **Political Theory I** 3 hours
Reviews and analyzes the leading political theories of Western Man from the Hebrews and Greeks to the mid-17th Century. Prereq: Junior Standing.

432 (832M) **Political Theory II** 3 hours
Continues the review and analysis of the leading political theories of Western Man begun in Pol. Sci. 431, bringing the study down to the French Revolution. Prereq: Junior Standing.

433 (833M) **Political Theory III** 3 hours
Continues the review and analysis of the leading political theories of Western Man begun in Political Science 431 and 432 (Political Theory I and II), bringing the study down to the present day. Prereq: Junior Standing.

434 (834M) **Political Theory IV** 3 hours
An over-view and analysis of the dominant political thoughts and ideas that have been present in American thinking from the days of the Puritans to today, and the individuals who held them. Prereq: Junior Standing.

435 (835M) **Democracy** 3 hours
A basic study of theory, practice and practitioners of political democracy, its roots, development, present application and problems and future. Prereq: Junior Standing.
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>436</td>
<td>(836M) Dictatorship</td>
<td>3 hours</td>
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<td></td>
<td>A basic study of theory, practice and practitioners of political dictatorship, its roots, development, major 20th century application and bestiality, and threats to man. Prereq: Junior Standing.</td>
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<tr>
<td>437</td>
<td>(837M) Communism</td>
<td>3 hours</td>
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<td>The Marxian message, its use as an impulse to political power, its world-wide extension, and the threat it poses for the world in the hands of the Soviet Union and others. Prereq: Junior Standing.</td>
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<tr>
<td>450</td>
<td>(850M) Government and Politics of Great Britain</td>
<td>3 hours</td>
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<td></td>
<td>A comprehensive study of British politics and government. Emphasis will be focused on the formal institutions and informal customs and practices of the British political system. Prereq: Junior Standing.</td>
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<tr>
<td>458</td>
<td>(858M) Government and Politics of the U.S.S.R.</td>
<td>3 hours</td>
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<td></td>
<td>An analysis of the structure and processes of government in the U.S.S.R. Special attention will be devoted to the role of the Communist Party in Soviet Politics and to the ideological and social factors which influence policy formation. Prereq: Junior Standing.</td>
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<td>460</td>
<td>(860M) Comparative Political Studies</td>
<td>3 hours</td>
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<td>An examination of the methods and concepts of comparative political analysis. Prereq: Junior standing or permission.</td>
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<tr>
<td>464</td>
<td>(864M) Governments and Politics of Non-Communist Asia</td>
<td>3 hours</td>
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<td></td>
<td>Political background, governmental institutions, political dynamics and developmental problems of selected non-Communist nations in Asia. Prereq: Junior Standing.</td>
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<tr>
<td>466</td>
<td>(866M) Governments and Politics of Communist Asia</td>
<td>3 hours</td>
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<td></td>
<td>Background of the Communist revolution, political process and developmental problems in mainland China and other Communist states. Prereq: Junior Standing.</td>
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<tr>
<td>468</td>
<td>(868M) Latin American Politics</td>
<td>3 hours</td>
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<td>The problems and political processes of the states of Latin America, including the structure and operations of their governments and dynamics of their political systems. Prereq: Junior Standing.</td>
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<td>490</td>
<td>Readings in Government</td>
<td>1-3 hours</td>
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<td>A course designed for senior majors, who through inability to schedule, are unable to meet departmental requirements for graduation. Prereq: Pol. Sci. major, Senior Standing, and approval of the department and the department chairman.</td>
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<tr>
<td>492</td>
<td>(892M) Topics in Political Science</td>
<td>3 hours</td>
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<td>A pro-seminar on selected topics based upon analysis of the literature of political science and/or primary source materials. Prereq: Junior standing or permission.</td>
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</table>
800V  Seminar in the Research Methods of Political Science and Public Administration  3 hours
A critical investigation of the methods of data collection and analysis for political science and public administration research. Prereq: Permission of graduate advisor.

804V  Seminar in American Government and Politics  3 hours
A thorough analysis of selected aspects of the structure and function of the American political system with emphasis on individual research by the student. Prereq: Permission of graduate advisor.

815V  Seminar in Public Law  3 hours
Practical methods of research as applied to specifically selected problems in the areas of Administrative, Constitutional, and/or International Law. Problems studies will correspond to those encountered by government employees, officials, and planners at the national, state, and local level. Emphasis will be varied from semester to semester in accordance with the background and objectives of the students enrolled. Prereq: Three semester hours in public law or permission of graduate advisor.

820V  Seminar in International Politics  3 hours
An examination of the theoretical frameworks advanced for the systematic study of International Relations, with application to particular problems in international relations. Prereq: Permission of graduate advisor.

830V  Seminar in Political Theory  3 hours
Analysis of selected topics in normative, empirical and ideological political theory and their impact upon practitioners of politics. Prereq: Six hours of Political Theory or permission of graduate advisor.

850V  Seminar in Comparative Politics  3 hours
An examination of the purpose, theories and literature of the field of comparative politics, with evaluation of the theories by application to contemporary political systems. Prereq: Permission of graduate advisor.

852V  Seminar in Comparative Politics: Emerging Areas  3 hours
Research, analysis, and writing on topics of general and particular aspects of the governments, politics, and political problems of emerging nations. Prereq: Permission of graduate advisor.

880V  Independent Study in Topics on Urbanism  1 hour per sem. to 2
Graduate student research on an individual basis under faculty supervision in topics pertaining to urbanism. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under Economics, Geography, and Sociology.)
883V-884V  Interdisciplinary Seminar on the Urban Community  
3 hours per sem. to 6
An interdisciplinary course on the metropolitan community in which various departmental and college offerings concerned with urban problems are put on broad interrelated focus. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under Economics, Geography, and Sociology.)

890V  Readings in Political Science  
3 hours
Specially planned readings in Political Science for the graduate student who encounters scheduling problems in the completion of his degree program, or who has special preparatory needs and who is adjudged by the Political Science Department to be capable of pursuing a highly independent course of study. Prereq: Permission of graduate advisor.

899  Thesis  
1-6 hours
A research project, written under the supervision of a graduate adviser in the Department of Political Science, 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 completed project must be approved by the student's departmental committee. Prereq: Permission of graduate advisor.

PSYCHOLOGY

PROFESSORS: NEWTON (Chairman), BECKER, ELLINGSON, HURST, MEIER, PEDRINI, WILLIAMS
Associate Professors: ANGLE, BERRY, DEFFENBACHER, HAMM, HENDRICKS, INNES, KESSLER, LaVOIE, MILLIMET, ROBINSON, STRIDER, WIKOFF, R.
Assistant Professors: BOISMIER, BROWN, FINKLER, FIX, HANSEN, KOHLAN, LARSEN, LEWIS, LOPRESTI, STEIN, THOMAS, WOOD
Instructors: MANNING, WIKOFF, M.

The Psychology Department offers two avenues by which a student may complete an undergraduate major. The first leads to a Bachelor of Arts degree. It is intended for the student who is seeking a broad, liberal education and either does not intend to go on to graduate work in psychology or has not definitely decided to make psychology his life's work. The second leads to a Bachelor of Science degree and is specifically designed to prepare a student for admission to post-graduate work.

In addition to these two programs, a student in either the College of Arts and Sciences or the College of Education may elect psychology as a secondary education teaching field. Required courses are: Psychology 101, 102, 102L, 213, 301, 321, 301L or 321L, and 12 hours elected from Psychology 323, 343, 345, 354, 403, 413, 433, 444, 445, or 490. No more than 3 hours of 490 may be included in this total. Additional hours in specialized professional education courses are required which may include Psychology 351 and 352. Students electing psychology as a teaching field should confer with their advisor for details of specific requirements.
BACHELOR OF ARTS PROGRAM

An undergraduate major in the B.A. program may be secured by completing the following courses: Psychology 101, 102, 102L, 213, 301, and 301L or 321 and 321L and 15 additional hours of upper division courses in psychology. Psychology majors are strongly encouraged to take both course sequences 301-301L and 321-321L. Election of the B.A. degree does not preclude admission to graduate school in psychology but it does not provide as thorough a preparation as does the B.S. program.

Permission of the psychology department is required to substitute another course for one in which a grade of less than “C” is earned.

BACHELOR OF SCIENCE PROGRAM

An undergraduate major in the B.S. program may be secured by completing the following courses:

Psychology: 101, 102, 102L, 213, 301, 301L, 321, 321L, 413, plus one of the following: 341, 345, 445, and six additional hours of upper division courses.* All of these courses must be completed with a grade of “C” or better.

Foreign Language: Either French, German, or Russian is recommended for fulfillment of college language requirements.

Humanities: Philosophy 340 or 341 must be included in fulfilling College divisional requirements.

Natural Sciences: Two Biology courses (as recommended by the student’s advisor) are required. Either Physics 111 and 112 or Chemistry 104, 104L, and 124, 124L are required.

Social Sciences: Six hours of Sociology or Anthropology are required to be taken in meeting College divisional requirements.

Mathematics and Computer Science: Mathematics 195 and Computer Science 230 are required.

MINOR IN PSYCHOLOGY

An undergraduate minor in Psychology may be secured by completing twelve hours of upper division courses in psychology. Psychology 213 may be included for three of the twelve hours. All of these courses must be completed with a grade of “C” or better.

101 Introduction to Psychology 3 hours
An introductory course fundamental to all subsequent courses in the department. Prereq: none.

102 Introduction to Psychology 3 hours
A discussion of selected points of view within psychology usually emphasizing behaviorism and Freud, designed primarily as a second course for potential majors and students in related fields. Prereq: Psychology 101.

*With departmental permission, a student may substitute one or more hours of 496 for 301L or 321L.
102L  **Laboratory: Introduction to Psychology**  1 hour
Laboratory work coordinated with Psychology 102 including experimentation with human and animal subjects. Prereq: Permission of instructor.

161  **Life in Black America: A Psychological Analysis**  3 hours
The Black experience in psychological development with particular attention to contrasts with the general American sources of cognition and enculturation. Prereq: none.

213  **Introduction to Statistics for the Behavioral Sciences**  3 hours
An introduction to statistics with particular emphasis on models and hypothesis testing covering single-factor analysis of variance, chi-square, F and t tests, first-order regression and correlation. Prereq: Math 143 or Math 153 or permission of instructor.

301  **Experimental Psychology of Learning**  3 hours
A comprehensive coverage of the experimental literature on human and animal learning. Prereq: Psychology 102 and Psychology 213.

301L  **Laboratory: Experimental Psychology of Learning**  1 hour
Laboratory work coordinated with Psychology 301 emphasizing a systematic presentation of techniques used to assess changes in behavior due to learning. Prereq: Psychology 102 and 213.

321  **Experimental Psychology of Sensation and Perception**  3 hours
Reading and discussion concerning psychophysical methods, sensory physiology, phenomenology of various sensory systems, and theories of the perceptual process. Prereq: Psychology 102 and 213.

321L  **Laboratory: Experimental Psychology of Sensation and Perception**  1 hour
Laboratory work presenting research techniques in sensation and perception and emphasizing individual research and its report. Prereq: Psychology 213 (may be taken concurrently).

323  **Physiological Psychology**  3 hours
A comprehensive study of the relationship of the nervous and other organ systems to behavior. Research on both human and other animal species is considered. Prereq: Psychology 101 and Biology 175 or permission of instructor.

341  **Survey of Clinical Psychology**  3 hours

343  **Personality and Adjustment**  3 hours
The study of persons in a social context, and their resultant effective and ineffective behavior, with emphasis on types of adjustment. Prereq: Psychology 102.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>345</td>
<td>Social Psychology</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>Social interaction studied as a function of properties of individuals, face to face groups, and larger social systems. Relevant concepts, theories, data, research methods, and applications studied via processes of direct self, interaction, small group, and social system examination. Prereq: Psychology 101 or junior standing.</td>
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<tr>
<td>351</td>
<td>Educational Psychology</td>
<td>3 hours</td>
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<td></td>
<td>A study of the capacities and interests of children and their individual differences. Factors that influence learning and an evaluation of learning and classroom procedures are included. Prereq: Psychology 101.</td>
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<tr>
<td>352</td>
<td>Child Psychology</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A study of the physical, social, emotional, and mental development of the child, emphasizing the pre-, primary, and elementary school years. Prereq: Psychology 102 or 351.</td>
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<tr>
<td>354</td>
<td>Psychology of Adolescence and Adulthood</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A review of theory and available evidence useful in understanding changes and problems in the physical, intellectual, social, and emotional adjustment of individuals in adolescence and later life. Prereq: Psychology 352 or permission.</td>
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<tr>
<td>362</td>
<td>Industrial Psychology</td>
<td>3 hours</td>
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<td></td>
<td>A broad survey of findings and principles related to business applications including discussion of personnel selection and classification, employee appraisal, training, human engineering, employee development, consumer analysis and advertising. Designed primarily for non-psychology majors. Prereq: Psychology 101.</td>
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<tr>
<td>401 (801M)</td>
<td>History of Psychology</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A study through reading and discussion of the significant individual contributors and contributions to the growth of psychology. Prereq: Permission of instructor.</td>
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<tr>
<td>403 (803M)</td>
<td>Psychology of Motivation</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>An exploration of the motivation of organisms including methods, concepts, issues, and theories deriving from historical and contemporary research. Prereq: Psychology 213 or equivalent, 301 or 904.</td>
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<tr>
<td>405 (805M)</td>
<td>Computer Concepts in Psychology and the Behavioral Sciences</td>
<td>3 hours</td>
</tr>
<tr>
<td></td>
<td>An introductory course emphasizing the applications of computers in the areas of psychology, sociology, and education. Includes a functional description of computers and a discussion of programming languages as well as specific uses. Prereq: Psychology 213 or equivalent.</td>
<td></td>
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</tbody>
</table>
(806M) **Environmental Psychology** 3 hours
A study of effects of natural and artificial environments on human behavior. Particular emphasis on effects of spatial arrangements and their interactions with social distance, territoriality, privacy and such. Prereq: Junior standing; Psychology 101 or permission.

(807M) **Cognitive Processes** 3 hours
An exploration of historical and contemporary research and theory concerned with higher cognitive processes including concept formation, problem solving, creativity, memory, and symbolic behavior. Prereq: Psychology 301 or 904.

(813M) **Research Design** 3 hours
A methodological approach to research in the behavioral sciences emphasizing the manipulation of psychological variables leading to the control and understanding of psychological phenomena. Prereq: Psychology 213 or equivalent.

(814M) **Nonparametric Statistics** 3 hours
A study of distribution-free statistics with particular emphasis on application of distribution-free tests to research problems in the social behavior sciences. Prereq: Psychology 213 or equivalent.

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

(831M) **Psychological and Educational Testing** 3 hours
The use of standardized tests in psychology and education is considered with special regard to their construction, reliability, and validity. Prereq: Psychology 102 or 351.

(833M) **Individual Differences** 3 hours
A critical study of experimental and statistical investigations of the influence of age, ancestry, sex, physical traits, and environment in causation of individual differences in mental traits. Prereq: 9 hours of psychology, including Psychology 101 and Psychology 213 or equivalent.

(843M) **Psychoanalytic Theories of Personality** 3 hours
An integrative course designed to acquaint the student with the Freudian and psychoanalytic viewpoints. Research in anxiety, defense mechanisms, sleep, and dreams is emphasized. Prereq: Psychology 213 or equivalent, and Psychology 343.

(844M) **Abnormal Psychology** 3 hours
A course designed to examine the aberrant behavior of individuals.
Symptoms, dynamics, therapy, and prognosis of syndromes are considered. A research approach is emphasized. Prereq: Psychology 213 or equivalent and Psychology 343.

445 (845M) Personality Theories 3 hours
A comparative approach to the understanding of personality theory emphasizing the conflict, fulfillment, and consistency approaches to personality. Prereq: Psychology 343 and senior standing or permission.

447 (847M) Advanced Counseling Theory 3 hours
This course emphasizes the relation between diagnosis and treatment with a Jungian approach embracing psychology, literature, philosophy, and theology. Readings are emphasized. Prereq: Psychology 343 or Coun. 820V or Psychology 445 (845M).

452 (852M) Psycholinguistics 3 hours
(Same as Sociology 452 and Speech 452)
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 or permission.

455 (855M) Retardation 3 hours
This course considers significantly sub-average intellectual functioning originating during the developmental period and associated with impairment in adaptive behavior. Research is emphasized. Prereq: Psychology 431 (831M); or Psychology 213 or equivalent and Psychology 343 or 445 (845M).

459 (859M) Psychology of Exceptional Children 3 hours
A study of the special problems of children with visual, auditory, or neurological impairments, orthopedic anomalies, intellectual retardation or superiority, speech disorders, emotional or social maladjustments, learning disabilities and cultural deprivation; and the characteristic relationships of parents, professionals, and others to these children. Prereq: Psychology 343 or 351.

461 (861M) Engineering Psychology 3 hours
The methods of experimental psychology are discussed as they relate to problems of designing machines for efficient human use. Prereq: Psychology 101 and permission of instructor.

462 (862M) Psychological Aspects of Industrial Training and Education 3 hours
A study and application of the theory, techniques, and procedures involved in preparing individuals for their jobs through training and education. Prereq: Psychology 362 and Psychology 213 or equivalent.

463 (863M) Techniques of Programmed Instruction 3 hours
An introduction to methods and technology in construction and use of
teaching machine programs, with special emphasis on computer assisted instruction. Prereq: Psychology 101 and permission of instructor.

490 **Readings in Psychology** 1-6 hours
A faculty supervised project involving readings and/or library work and written and oral reports. May be repeated up to a total of 6 hours for 490 and 496 combined. Prereq: written permission of the department.

491 (891M) **Research Problems in Physiological Psychology** 3-6 hours
An individualized introduction to the techniques and methodology used in the physiological laboratory. Prereq: Psychology 323 or permission of instructor.

496 **Research Problems in Psychology** 1-6 hours
A faculty supervised project involving empirical research and appropriate oral and written reports. May be repeated for a total of 6 hours for 490 and 496 combined. Prereq: 15 hours of psychology courses and written permission of the department.

800V **The Profession of Psychology** 0 hours
A required non-credit course for graduate students in psychology. Intended to familiarize the beginning graduate student with the profession of psychology including such topics as ethics, professional organizations, job and educational opportunities, the use of reference materials, licensing and certification, and other relevant material. Prereq: none.

805V **Seminar in Social Psychology** 3-6 hours
(Same as Sociology 805V)
Assigned reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in social psychology selected by the instructor. Prereq: graduate and permission of instructor.

820V **Introduction to Counseling Theories** 3 hours
(Same as Coun 820V)
Study of contemporary theories of counseling, the counseling process and methods. Prereq: Education 490 or department permission.

832V **Tests and Measurements** 3 hours
A study of the theoretical and practical problems related to the development and use of psychological tests covering such topics as measurement, test development, standardization, reliability, validity, and interpretation. Prereq: Psychology 213 or equivalent.

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

851V  Advanced Educational Psychology  3 hours
A study of the principles of learning and testing and their applications to problems of contemporary education, particularly to those problems existing in the classroom. Prereq: Psychology 351.

853V  Individual Tests I  3 hours
Administration, scoring, standardization, and interpretation of individually administered tests with special emphasis upon intelligence testing. Prereq: 16 graduate hours of psychology including completion of all required courses for the Master's degree and Psychology 431 (831M) or 832V and admission to either Psychological Assistant or School Psychologist Program.

854V  Individual Tests II  3 hours
Administration, scoring, standardization, and interpretation of individually administered tests with special emphasis upon intelligence testing. Prereq: 16 graduate hours of psychology including completion of all required courses for the Master's degree and Psychology 431 (831M) or 832V and admission to either Psychological Assistant or School Psychologist Program.

855V  Introduction to Therapeutic Techniques with Children  3 hours
The purpose of this course is to become familiar with play therapy, a technique for enhancing the adjustment and maturity of children. The history and methods of and the research with play therapy are considered. Prereq: Permission of instructor.

856V  Learning in Children  3 hours
A course dealing with learning in infants, children and, for comparison purposes, adults. Research relevant to developmental differences in learning ability will be emphasized. Content areas included will be learning methodology with infants and children, learning in infancy, probability learning, transposition and reversal shift learning, imprinting, habituation and imitation learning. Prereq: none.

857V  Behavior Modification  3 hours
A course in the techniques, rationale, and research literature of changing behavior through reinforcement procedures. Particular attention will be paid to child behavior including retarded children, behavior problems in school, and the behavior of the mentally disturbed. Prereq: Psychology 102 and 343, or permission of instructor.

858V  Linguistic and Cognitive Development  3 hours
An advanced, in depth study of the theory and research on cognitive and linguistic development from infancy to adolescence. Prereq: Psychology 352 or equivalent or permission of instructor.
859V  Social and Personality Development  3 hours
A course which provides the student with an in-depth coverage of the research literature on social and personality development in infancy and childhood. Research methods and theory, as they apply to social and personality development, will be emphasized throughout the course. All students will be expected to design and conduct a mini-observational study in the area of social and personality development. Prereq: none.

868V  Clinical Child Psychology for School Psychologists  2 hours
An advanced course in child psychology, with emphasis upon diagnostic classification, refinement of approaches and techniques of assessment, and correction of problem behavior in the school age child. Prereq: Permission.
(Cross-listed with Psychiatry 868 at the University of Nebraska College of Medicine)

890V  Problems in Psychology  1-6 hours
A faculty supervised research project, involving empirical or library work and oral or written reports. Prereq: written permission of the department.

895V  Practicum in Industrial Psychology  1-6 hours
Faculty supervised experience in industry or business designed to bridge the gap between the classroom and a job, emphasizing use of previously acquired knowledge in dealing with practical problems. Prereq: permission of department.

897V  Practicum in Educational Psychology  1-6 hours
Faculty-supervised experience in an educational agency designed to acquaint the student with practical problems faced by psychologists who work in an educational setting. Prereq: permission of department.

899  Thesis  1-6 hours
Independent research project written under supervision of a faculty committee. May be repeated up to a total of 6 hours.

904  Proseminar: Learning (Newton)  3 hours
A comprehensive and intensive coverage of the experimental literature on learning in humans and animals. Prereq: Permission of instructor.

905  Advanced Seminar in Learning (Newton)  3 hours
A course considering theorists who have most directly influenced the contemporary psychology of learning. Prereq: Psychology 301 or 904 or permission of instructor.

910  Proseminar: Analysis of Variance (Millimet, Wikoff)  3 hours
A course providing a theoretical and practical understanding of inferential statistics emphasizing the analysis of variance model. Prereq: Permission of instructor.
911 Proseminar: Multiple Regression and Factor Analysis (Millimet, Wikoff) 3 hours
Advanced problems and techniques of correlation and regression are discussed, including special simple correlation methods and problems, multiple correlation, multiple regression, and factor analysis. Prereq: Permission of instructor.

921 Proseminar: Perception (Deffenbacher) 3 hours
A comprehensive and intensive coverage of the experimental literature on perception in humans and animals. Prereq: Permission of instructor.

923 Proseminar: Physiological Psychology (Hendricks) 3 hours
A systematic study of the physiological processes underlying behavior. Prereq: Permission of instructor.

929 Seminar in Developmental Psychobiology (Hendricks, Meier) 3-6 hours
A theoretical and empirical analysis of neuro- and other physiological changes correlated with and contributing to developmental processes in infra-human and human subjects. Prereq: completion of the Psychology Proseminar sequence (or equivalent) and permission of instructor.

936 Seminar in Applications of Non-Verbal Communication Theory 3 hours
(same as Speech 955 and SED 936)
Theories and research on the development, facilitation and barriers of human non-verbal communication. Analysis of non-verbal interaction with specific application to education, business, supervision, counseling, therapy and interpersonal speech communication. Prereq: course in research methods or permission of instructor.

940 Seminar in Small Group Communication (J. Brilhart) 3 hours
(same as Speech 940 and Sociology 940)
Research and theory in the processes of small group communication and leadership; research procedures; approaches to teaching a discussion course. Prereq: Speech 810V (or equivalent), Psychology 213 (or equivalent), or permission of instructor.

943 Proseminar: Personality (Pedrini, Millimet) 3 hours
A course considering the effects of personality variables on behavior. A historical, theoretical, psychometric, and experimental approach will be emphasized. Prereq: Permission of instructor.

944 Proseminar: Social Psychology (Becker, Kessler) 3 hours
Examination of theories, research findings and controversies in Social Psychology. Topics will include socialization; person perception; interpersonal attraction, leadership and group effectiveness; attitudes, attitude measurement, and attitude change; intergroup relations, power and social influence. New topics will be added as they become part of the research interests of social psychologists. Prereq: Permission of instructor.
Experimental Social Psychology (Becker, Kessler)  
Acquisition of basic research skills and a working understanding of key philosophical and methodological issues in social research. Each student will develop and implement one or more full scale studies, either by himself or as a part of a small group. Prereq: Psychology 213 or equivalent, 345, 301 or 321 with laboratory, and permission of instructor.

Proseminar: Developmental Psychology (Hamm)  
A comprehensive and intensive coverage of the experimental literature on human and infra-human development. Prereq: Permission of instructor.

Personality Assessment (Becker, Pedrini, Wikoff)  
A course dealing with tests and techniques for evaluation of personality characteristics and intended for advanced graduate students in psychology who are enrolled in a program of studies leading to certification as school psychologists. Prereq: An introductory course in group testing; two courses in individual testing. Psychology 213 or equivalent, and permission.

Seminar in Experimental Child Psychology (Hamm)  
Faculty and student presentations organized around one of the following three major subdivisions of child psychology: (1) social and personality development, (2) developmental changes in conditioning and learning, (3) cognitive growth and functioning. The course may be repeated each time a different topic is covered, up to a maximum total of 9 credit hours. Prereq: Completion of the proseminar sequence and permission of the instructor.

Seminar in Industrial Psychology (Kessler)  
Intensive study of current problems and research in psychology in industry with particular emphasis on integration of research findings. Prereq: Psychology 213 or equivalent.

Personnel Selection and Assessment (Kessler)  
A practical course designed to familiarize the student with the procedures used in assessing and selecting people for industrial positions. Prereq: Psychology 213 or equivalent, Psychology 832V and permission of instructor.

Topical Seminar in School Psychology  
(Hamm, Pedrini, Strider, Wikoff)  
A discussion of a specific advanced topic in school psychology which will be announced each time the course is offered. The course may be repeated each time a different topic is covered, up to a maximum total of 9 credit hours. Prereq: admission to school psychology program.

Topical Seminar in Psychology (Becker, Deffenbacher, Ellingson, Hamm, Hendricks, Kessler, Millimet, Newton, Pedrini, Strider, Wikoff, Williams)  
1-3 hours
A discussion of specific advanced topics which will be announced whenever the course is offered. Prereq: Permission of instructor.

996 **Research Other Than Thesis** (Becfer, Deffenbacher, Ellingson, Hamm, Hendriks, Kessler, Millimet, Newton, Penrini, Strider, Wikoff, Williams) 1-12 hours
Research work under supervision of a faculty member. May be repeated for up to a total of 12 credit hours. Prereq: Enrollment in a graduate program beyond the master’s level and permission of the department.

997 **Practicum in School Psychology** (Hamm, Pedrini, Strider, Wikoff) 1-6 hours
Faculty-supervised experience in an educational agency designed to acquaint the student with the practical problems faced by school psychologists. Prereq: Admission to school psychology program and written permission of department.

**SOCIOMETRY**

**PROFESSORS:** BARGER (Chairman), WHEELER
Associate Professor: NYE
Assistant Professors: CLUTE, HESS, HOFSTETTER, ROUSSEAU, SIMPSON, SKREIJA
Instructor: BETTER

The undergraduate major in sociology consists of the course, Sociology 101, and twenty-seven additional hours in the field. One course in each of the following areas must be included: social problems, statistics, social psychology, social organization, research methods, sociological theory, and anthropology. Department offerings which meet these requirements are:

- Social Problems (Disorganization)
- Statistics
- Research Methods
- Social Psychology
- Social Organization
- Senior Seminar
- Sociological Theory
- Anthropology

(Soc. 210 or 413)
(Soc. 213)
(Soc. 251)
(Soc. 301, 401, or 402)
(Soc. 361, 363, 369, 410 or 462)
(Soc. 451)
(Soc. 471 or 472)
(Anth. 105 or 421)

(Eighteen of the twenty-seven hours must be from the 300- or 400-level series.)

Students, such as those in military service and others, having special interests in foreign or preliterate cultures, are directed toward courses in Anthropology, which are listed following the Sociology courses.

**CLEP**

*(College-Level Examination Program)*

CLEP examinations are available for Sociology 101, Introductory Sociology, and Sociology 213, Basic Statistics. The student should contact the Testing and Counseling Office for details.
CREDIT/NON-CREDIT

Certain courses are designated each semester as available on a credit/non-credit basis. The student should consult the current course schedule for specific instances.

AKD
Alpha Kappa Delta
(National Sociology Honor Society)

Membership in Alpha Kappa Delta (AKD), national sociology honor society, is open to any student with at least ten hours undergraduate sociology. Detailed qualifications are available through the department chairman.

101 Introductory Sociology 3 hours
An introduction to the study of human social behavior, presenting the fundamental concepts and point of view of the field of sociology. Open only to freshmen and sophomores. Others should enroll in 403.

210 Social Problems 3 hours
A description of the major social problems in American society with some therapeutic considerations. Prereq: Soc. 101 or 403.

213 Basic Statistics 3 hours
Descriptive statistics, an introduction to inductive statistical thinking, the basic statistical techniques employed in analyses of social data. Prereq: Mathematics 143 or permission of instructor.

215 Marriage and the Family 3 hours
An inquiry into the historical, biological, and cultural foundations of the family. A description and analysis of the contemporary American family with special attention to changing norms and functions. Prereq: Soc. 101 or 403.

217 Pressure Groups and Public Opinions 3 hours
(Same as Political Science 217)
A study of the activities of the basic interests and their efforts to influence both the opinion and policy of the public sector of the government. Prereq: sophomore standing.

251 Empirical Social Inquiry 3 hours
A basic introduction to the principles, methods, and techniques of empirical social research. During the first semester, applied social science will be emphasized; in the second semester, case materials illustrating theoretically-based and -oriented social science will be emphasized. Prereq: Soc. 101 or 403 or permission of instructor.

301 Society and Self 3 hours
A sociological perspective of the nature and extent of group effects on the personality and its development. Prereq: Soc. 101 or 403 or Psych. 101 and Sophomore standing.
314 **American Society**
A sociological perspective on contemporary American society and popular culture, including divergent life styles, urbanization, social movements, and changes in work, family life, recreation, institutions, and value systems. Prereq: 6 hours social science.

335 **Criminology**
(Same as Criminal Justice 335)
A general survey of the history, nature, and causes of crime; criminal investigation and prosecution; punishment, correctional treatment, and crime prevention. Prereq: Soc. 101 or 403.

337 **Juvenile Delinquency**
(Same as Criminal Justice 337)
The study of the extent, causation, and prevention of juvenile delinquency. Includes an analysis of juvenile courts, probation, institutional treatment, parole, and prevention programs. Prereq: Soc. 101 or 403.

361 **Social Organization**
The social structure of human groups. Patterns of communication and interaction, stratification, division of labor, and power in institutions, bureaucracies and informal groupings. Prereq: Soc. 101 or 403 and sophomore standing.

363 **Comparative Social Institutions**
An examination of the interlocking network of institutions in society with particular stress on social institutions not covered in other Department of Sociology courses e.g., political, economic, religious institutions, and science as an institution. A comparison among societies with differing institutional arrangements. Prereq: Soc. 101 or 403 and Anthropology 105 or permission of the instructor and sophomore standing.

369 **Social Stratification**
Social classes and social mobility in America. Other systems of distributing rewards, honors, and power on the basis of hierarchical rank and the principles underlying their operation. Prereq: Soc. 101 or 403 or sophomore standing.

380 **Occupational Sociology**
The sociology of occupational groups as seen in terms of occupational structure and mobility; professionalization, bureaucratization, unionization, and automation; occupational choice, training, career patterns, and retirement. Prereq: Soc. 101 or 403 and sophomore standing.

381 **Sociology of Education**
The study of education as a social institution and as a social process of modern society. The internal systems, problems, roles, and subcultures of educational organizations. Prereq: Soc. 101 and sophomore standing or permission.
382 Medical Sociology 3 hours
The sociology of health and the health professions providing an examination of the social aspects of medicine and of processes of health and illness. The effects of the norms, values and roles of medical professionals and their clients on the treatment process. Prereq: Soc. 101 and sophomore standing or permission.

384 Population 3 hours

390 Ethnic Group Relations 3 hours
A description of various ethnic groups in the United States, their contributions, distinctive attributes and problems. Major attention is given the Negro minority and the effects of prejudice, segregation, civil rights as a legal and a social force, and other aspects of the current situation. Prereq: Soc. 101 or 403 and sophomore standing.

401 (801M) Social Control of Behavior 3 hours
The social processes by which the person's behavior is adapted to the group. External restraints, roles, self control. Analysis and measurement of behavior in the context of socially defined fields. Prereq: 9 hours of sociology, including 101 or 403 and 301.

402 (802M) Collective Behavior 3 hours
The study of the processes of growth and change within unstable and transitory groups including crowds and associated phenomena, diffuse collectivities, advertising and propaganda aggregates in mass society, publics, and social movements. Prereq: 9 hours sociology including 101 or 403 and 301.

403 (803M) Advanced General Sociology 3 hours
A survey of the principles of sociology including interaction, groups, institutions, social organization, and change. Consideration is also given to sociological techniques, major specialties, and classes of data. Prereq: Junior/senior standing or permission. Not open to anyone who has recent credit in Sociology 101. (Does not carry graduate credit in sociology.)

410 (810M) The Community 3 hours
A basic course in community sociology. Sociological theory and the techniques of empirical research are applied to published studies of communities in the United States and elsewhere. The comparative social scientific method is elaborated as it pertains to data derived from community investigation. Prereq: 9 hours sociology including 101 or 403.

411 (811M) Applied Social Gerontology 3 hours
An introduction to social gerontology with a special emphasis upon the effects of aging on social institutions and social participation and an
examination of practice-oriented implications. (This course is one of the series which have been developed in conjunction with the Gerontontology Center of CPACS.) Prereq: 9 hours of sociology including Soc. 101 or 403 or permission of the instructor.

412 (812M) **Urban Geography** 3 hours  
(Same as Geography 412 and Econ 412)  
A geography of the city from the viewpoint of history, site, and situation, external relations, internal relations, and the comparative study of cities. Prereq: Junior standing.

413 (813M) **Sociology of Deviant Behavior** 3 hours  
(Same as Criminal Justice 413)  
A theoretical analysis of the relation of deviant group behavior and subcultures to community standards of conventional behavior as expressed in law and norms. Prereq: 9 hours sociology including 101 or 403.

414 (814M) **Urban Sociology** 3 hours  
(Same as Geo. 414 [814M])  
A course in the sociology of cities and the social characteristics of urban life, stressing its historical, demographic, ecological, social, psychological, and institutional aspects. The unique problems of the modern metropolitan complex, both as to effective functioning and as an environment for human beings, are discussed. Prereq: 9 hours sociology including 101 or 403.

415 (815M) **American Family Problems** 3 hours  
(1) A theoretical treatment of the family as a social institution outlining the essential functions it provides for its members and the society. (2) An analysis of failures of function and attendant problems in a variety of American families: parent-youth tensions, problems of sexual adjustment, role conflict, multiproblem families, desertion, divorce, others. Prereq: 9 hours sociology, including 101 or 403 or permission of the instructor.

451 (851M) **The Craft of Sociology** 3 hours  
Senior sociology major seminar integrating prior learning, and covering contemporary sociological theories, research methods, theory-building strategies, practical applications, moral implications, various views on professional goals, and technical writing skills. Prereq: Only sociology majors with at least senior standing.

453 (853M) **Seminar in Cross-Cultural Communication** 3 hours  
(Same as Speech 453)  
This seminar will be directed towards understanding the components of cultural and subcultural misinterpretation, with the purpose of bringing to awareness those factors which disturb communication in cross-cultural situations. Prereq: Junior Standing & permission of instructor.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>462</td>
<td>Sociology of Formal Organizations</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>Analysis of social structure in formal organizations. Processes involved in the integration and disintegration of formal social organizations. An introduction to organizational analysis in medical, military, governmental, educational, and business settings. Implications of large scale bureaucratization for social functioning. Prereq: 9 hours sociology.</td>
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<tr>
<td>471</td>
<td>Development of Sociological Theory</td>
<td>3 hours</td>
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<td></td>
<td>An intellectual history of sociology as an academic discipline surveying outstanding contributions to its body of theory. Stress is placed on the development of sociology as a science with illustrative materials drawn from the established works of recent decades although backgrounds to these are traced to their ancient and medieval antecedents where applicable. Prereq: 12 hours sociology and senior standing.</td>
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<tr>
<td>472</td>
<td>Contemporary Sociological Theory</td>
<td>3 hours</td>
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<td></td>
<td>A thorough and detailed presentation of a major theoretical integration of contemporary sociological research and theory with shorter descriptive presentations of alternative positions indicating similarities and differences. Principles of theory construction and a review of major sociological concepts and writers. Prereq: 12 hours sociology and senior standing.</td>
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<tr>
<td>475</td>
<td>Social Change</td>
<td>3 hours</td>
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<td>A discussion of the theories and the basic models of social change illustrated by use of examples from contemporary and historical data. Emphasis is placed upon understanding causes and effects of social processes current in American society and the response of the individual to these. Prereq: Soc. 101 or 403 and 6 hours sociology or history.</td>
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<tr>
<td>483</td>
<td>Sociology of Mental Illness</td>
<td>3 hours</td>
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<td>Mental illness as a form of social deviance; societal reaction and labeling as they affect entry into the role of the mentally ill; mental illness as a &quot;career.&quot; Prereq: Soc. 101 or 403 and 301.</td>
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<tr>
<td>485</td>
<td>Sociology of Religion</td>
<td>3 hours</td>
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<td>Analysis of religious behaviors from a sociological and social-psychological perspective, and utilizing both theoretical and empirical materials. The class is designed as an introductory approach to the sociology of religion, and the first in a two-step sequence, undergraduate and graduate. Prereq: Soc. 101 or 403 or permission of instructor.</td>
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<tr>
<td>491</td>
<td>Internship in Local Government</td>
<td>2 hours per semester to 6</td>
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<td></td>
<td>(Same as Political Science 491)</td>
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<td></td>
<td>Internship in Local Government offices: Participation in the policy-making and administrative processes of Local Government; discussions and reports. Prereq: P.S. 110, 111, 301, 317, or their</td>
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</table>
equivalents, and senior standing. (Also listed under Economics, Political Science, Geography, and History.)

499 (899M) Independent Study 1-3 hours
Guided reading in special topics under the supervision of a faculty member. Prereq: Senior standing and permission of the instructor.

COURSES THAT REQUIRE GRADUATE STANDING*

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

*801V General Seminar in Sociology 3 hours
This seminar, required of departmental graduate students, gives a basic orientation to the profession, its leading figures, publications, organizations, and university departments. It emphasizes critical discussion of issues in the discipline and selected substantive problems of sociology. Prereq: Graduate standing and permission of instructor.

*805V Seminar in Social Psychology 3-6 hours
(Same as Psych 805V)
Assigned reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in social psychology selected by the instructor. Prereq: Graduate standing and permission of instructor.

*810V Seminar in Applications of Sociology 3-6 hours
Sociological theory and method applied to a practical problem of relevance to general social issues. Prereq: Graduate standing and permission of instructor.

*811V Social Problems of the Disadvantaged 3 hours
A survey of the social problems existing in disadvantaged communities. The effects upon individuals of such settings. The subculture of poverty. Prereq: Graduate standing and permission of instructor.

*812V Seminar in Social Gerontology 3 hours
An interdisciplinary developmental study of the impact of aging upon individuals and society, including the subsequent reactions of individuals and society to aging with particular emphasis given to changes during the latter half of the life cycle (45 + years). Both theoretical and programmatic implications of aging research are considered. Prereq: Graduate standing and permission of instructor.

*850V Seminar in Research Methods 3-6 hours
A complete research project carried out under the supervision of an instructor particularly qualified in the area of concern. Students

*As seminar topics change, these course numbers may be repeated in a student's program without implying duplication.
participate in the background work, question formulation, selection of (or construction of) test instruments, data gathering by methods such as interviewing and participant observation, and analysis. Prereq: Graduate standing and permission of instructor.

*855V  Seminar in the Sociology of Religion  3-6 hours
A seminar dealing with religion as a social and cultural phenomenon. The study theme will vary from time to time in keeping with the special interests of the instructor. Prereq: Graduate standing and permission of instructor.

*860V  Seminar in Social Organization  3-6 hours
Assigned reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in social organization selected by the instructor. Prereq: Graduate standing and permission of instructor.

865V  Seminar in Occupations & Professions  3 hours
Assigned reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to the sociology of occupations and professions. Questions relating to theory, research, and practical application are considered. Prereq: Graduate and permission of instructor.

870V  Seminar in Sociological Theory  3-6 hours
Assigned reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in sociological theory selected by the instructor. Prereq: Graduate standing and permission of instructor.

*871V  Population Seminar  3 hours
(Same as Geography 871V)
The significance of differences from place to place in the number, kind and qualities of human inhabitants and changes through time. Prereq: Graduate standing and permission of instructor.

*880V  Independent Study in Topics on Urbanism  1-3 hours
Graduate student research on an individual basis under faculty supervision in topics pertaining to urbanism. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under economics, geography, and political science.)

*883V-884V  Interdisciplinary Seminar on the Urban Community  3-6 hours
An interdisciplinary course on the metropolitan community in which various departmental and college offerings concerned with urban problems are put on broad interrelated focus. Prereq: Undergraduate

* As seminar topics change these course numbers may be repeated in a student’s program without implying duplication.
major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under economics, geography, and political science.)

*885V-886V  Seminar in Urban Economics  3-6 hours
(Same as Geography 885V-886V and Economics 885V-886V)
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 credit may be received for each course. Prereq: At least 6 hours of upper division course work in economics or permission of the instructor.

895V-896V  Practicum in Applied Sociology  Each 3 hours
A practical work experience under supervision which provides opportunity for applying principles from the student's academic area of concentration. Prereq: Graduate Sociology major.

899  Thesis  1-6 hours

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

* As seminar topics change these course numbers may be repeated in a student's program without implying duplication.

ANTHROPOLOGY

105  Introduction to General Anthropology  3 hours
Man, his achievements, potential, how he came to be, and his place in nature. An introduction to the techniques and methods used in the scientific study of man. Prereq: None.

299  Guided Reading  1-6 hours
The course is designed to allow the student enrolled (concurrently or in the immediately preceding semester) in an anthropology course to pursue a specialized interest or topic in greater depth than is or was possible for the other course as a whole. Prereq: Concurrent enrollment in an anthropology course or enrollment in an anthropology course in the immediately preceding semester and permission of the instructor.

321  Cultures of African People  3 hours
(Same as Black Studies 321)
An introduction to cultures and societies of Africa. Analysis of kinship systems; political, economic and religious institutions; social change. Emphasis on the dynamics of social organization of African people. Prereq: Anthropology 105 or consent of instructor.
322 Indians of North America 3 hours
A survey of the Indians of North America, their culture past and present. Analysis of the economic, political, religious, technological and kinship systems of selected Indian groups. Prereq: Anthropology 105 or consent of instructor.

391 Introduction to Physical Anthropology 3 hours
An introduction to physical anthropology through an examination of theories related to the origin and differentiation of races. The history of the concept of race is contrasted with findings in the field of population genetics and comparative anatomy. Prereq: Anthropology 105.

421 (821M) Cultural Anthropology 3 hours
Family, art, war, maintenance, prestige, religion approached as parts of an integrated whole, a way of life of preliterate human society. Illustrations from a number of simple societies, anthropological theories, methods of study. Prereq: Anthropology 105 or permission of the instructor.

422 (822M) North American Archaeology 3 hours
American Indian culture history in North America, with emphasis on the peopling of the New World, origin and development of New World agriculture, development of Middle American Civilizations and their impact on core areas of village-farming in the continental United States; introduction to archaeological investigation techniques, dating methods, and taxonomic concepts. Prereq: Anthr. 105 or 421.

452 (852M) Psycholinguistics 3 hours
(Same as Psychology 452 and Speech 452)
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 or permission. Recommended: Anth. 105.

490 Anthropological Research 1–6 hours
Supervised experience in anthropological research. The student either (1) joins an ongoing research project undertaken by a member of the faculty and gains experience and competence in anthropological research, or (2) the student has a research project that is suitable for academic credit and that the student wishes to undertake under the aegis of a faculty member. Prereq: Permission of instructor. Since course is individualized and changing, the course number may be repeated in a student's program without implying duplication. However, the total credits in Anthropological Research may not exceed nine hours.

492 (892M) Seminar in Anthropological Problems 3 hours
A course designed to allow students to pursue individual interests in various aspects of anthropology. Work with the instructor in projects designed to increase the student's depth of knowledge in individual
areas. Prereq: 9 hours of previous anthropology courses completed with a grade of "B" or above or consent of the instructor.

SPEECH
PROFESSORS: BRILHART, CARTER
Associate Professors: ASCHENBRENNER, KNOEPFLER (Chairman)
Assistant Professors: BORGE, FUS, MASLAND, WANZENRIED, WILLIAMSON
Instructors: CONNELLY, LEIGH, STINNETT

BACHELOR OF ARTS

To secure a Bachelor of Arts with a major in Speech without teacher certification requires a minimum of 34 credit hours and a maximum of 45 credit hours in the department. The student must successfully complete Speech 101 (or secure exemption by written and oral examination). Additional courses must be taken from one of the three areas of concentration listed below. At least 18 hours must be upper division courses. The student's transcript will certify his area of specialization.

Speech Communication: 201, 241, 411, and 451 are required. Additional credit hours up to the minimum must be selected from: 211, DA 220, 230, 242, 313, 342, 350, 351, 401, or 402, 412, 431, 437, 450, and 452.

Speech-Broadcasting: A minimum of 24 hours selected from 171, DA 220, 230 (required), 231, 331, 332, 333, 336, 337, 351, 431, 434, 435, and 436. In addition, the advisor will supply the student with a list of recommended elective courses which provide the individual with an appropriate background for work in broadcasting.

All candidates for the B.A. in this area of emphasis are required to participate in a minimum of two different co-curricular activities related to the student's major, including work at KYNE-TV, KVNO-FM, or other similar projects which have been approved in advance by the student's advisor.

SPEECH-EDUCATION (B.S. in Education or B.A.)

For certification as a secondary teacher with a major in Speech (1st teaching field), the student must complete all requirements specified by the College of Education, plus complete the Core in Speech and an emphasis in either (1) Speech-Communication and Forensics, or (2) Dramatic Arts. Speech 101 must be passed with a grade of B or better (or exemption tests) before entering the program.

Core: 171 (or DA 471 by placement); DA 220; 230; 241 or 112; and 351.

Speech-Communication and Forensics emphasis: 201, 211 or 315-316 + 242 (3 hrs.); 241 or 112 or 315-316 + 242; 411 or 412; 450 or 452 or 453; 451; and 462.
For certification in the Speech-Communication and Forensics emphasis the student must also compete in two debate tournaments and judge or participate in two individual speaking events or two other activities approved by the Chairman of the Department of Speech.

**Dramatic Arts emphasis:** DA 223, DA 227, DA 321, DA 423. DA 426, DA 428, DA 429, and DA 320 (3 hrs.) or DA 322 or DA 424.

The student must participate in at least 4 different projects in University Theatre, including one each in acting, costuming, and lighting or set construction. The fourth activity is the student's choice of one of the above areas, publicity, or assistant directing.

For a minor in Speech Education with certification (2nd teaching field), the student must pass Speech 101 with a C or better (or exemption tests) before entering the program. The student must pass 171, 201, or 211, DA 220 (or exemption), 230, and 351, plus all courses in one of the following emphases:

**Speech-Communication and Forensics emphasis:** 112 or 315-316 + 242 (3 credits); 241; 450 or 451 or 453; and 462. The student must also compete in two debate tournaments and judge or participate in two individual speaking events or two other activities approved by the Chairman of the Department of Speech.

**Dramatic Arts emphasis:** DA 223; DA 227; DA 321; DA 426; and DA 423 and DA 424. The student must also participate in 4 different projects in University Theatre, including one each in acting, costuming, and lighting or set construction. The fourth activity is the student's choice of one of the above areas, publicity, or assistant directing.

**SINGLE TEACHING FIELD:** A single teaching field in Speech requires sixty designated credit hours above Speech 101 (minimum grade of B or exemption):

**Communication:** Speech 112, 171, 201, 211 or 315-316 (2 hours) + 242 (1 hour), 230, 241, 351, 411 or 412, 450 or 452 or 453, 451, 462.

**Theatre:** DA 223, DA 227, DA 321, + DA 320 (3 hours) or DA 322 or DA 424, DA 321, DA 423, DA 426, DA 428, DA 429.

**BACHELOR OF SCIENCE with a major in BROADCASTING**

For the B.S. with a major in Broadcasting, a student must meet all requirements for the B.A. except the foreign language requirement; no foreign language is required. The student's major program must include a minimum of 60 credit hours in Speech and Journalism combined with 40-45 hours in Speech and 15-21 hours in Journalism. The student's academic advisor must approve his actual program of courses in advance.

All candidates for this degree must participate in a minimum of 2 different co-curricular activities related to the student's major, including work at KYNE-TV, KVNO-FM, or other similar projects approved in advance by the advisor.

The advisor will also supply the student with a list of recommended elective courses which provide background for work in broadcasting.
MINOR

A minor in Speech consists of a minimum of 18 semester hours of credit in Speech courses, including at least 12 upper division hours. The Department has available suggested combinations of courses.

51  **Speech Improvement**  3 hours
This course is designed to aid students in the improvement of the speaking voice. It will consist of individual and small group speech improvement lab sessions and classroom lecture. It does not count for credit toward a degree.

101  **Fundamentals of Speech-Communication**  3 hours
The basic principles, components, and skills of effective speech-communication; a review of various models and their application to man’s speech-communication behavior.

112  **Argumentation and Debate**  3 hours
The analysis of argumentation and debate and application of these principles to platform debating.

171  **Oral Interpretation of Literature**  3 hours
(Same as DA 171)
Analysis and oral reading of various types of literature.

201  **Interpersonal Speech Communication**  3 hours
Investigation of the theories and concepts in the field of Interpersonal Communication. The course will include field and laboratory experiences in applying these theories and concepts to relevant social contexts. Prereq: Speech 101 or equiv.

211  **Public Speaking**  3 hours
Theory, techniques, and practice in a variety of forms of public speaking appropriate to differing audiences and situations. Prereq: Speech 101 or equivalent.

230  **Introduction to Broadcasting**  3 hours
A survey and basic study of the radio and television industry; its history, organization and social significance. Prereq: Speech 101.

231  **Film History and Appreciation**  3 hours
(Same as DA 231)
Aesthetic values of the motion picture; history of the film and a survey of the elements involved.

241  **Discussion and Small Group Leadership**  3 hours
Discussion theory; preparation, participation, and leadership in small group discussion in business, school, and the community.

242  **Parliamentary Procedure**  1 hour
Theory and practice of parliamentary procedure; forming organizations and drawing up constitutions and by-laws.
261 Creative Dramatics  
Basic concepts of creative dramatics and appropriate literature that could be used in the elementary classroom. Emphasis on incorporating creative dramatics and subject areas of students' major and/or minor.

312 Persuasive Speaking  
Instruction and practice in preparation, delivery, and evaluation of persuasive speaking. For non-speech majors only. Prereq: Speech 101 or equivalent.

313 Speech-Communication in Business and the Professions  
The role of modern communication theory and practice in business and industrial management and the professions. Instruction and practice in oral technical reporting, persuasion and sales techniques, conferences, and interviews. Study and analysis of representative communication cases. Prereq: Speech 101 or Instructor permission; Sophomore Standing.

315-316 Intercollegiate Debate  
A course for those who wish to participate in intercollegiate debate. Prereq: Permission of department chairman.

331 Basic Television  
The presentation of the fundamental skills of television production. Prereq: Speech 230 or permission of department chairman.

332 Advanced Television Production  
A continuation of Speech 331 with emphasis on advanced television production and performance techniques. Prereq: Speech 331 or permission of department chairman.

333 Newsfilm and Documentaries  
(Same as Journalism 315)  
Techniques for filming and producing television newsfilm and documentaries. Prereq: Journalism 311 or permission.

336 Basic Radio Production  
The basic skills, and techniques of contemporary Radio Broadcast production. This course places emphasis on guided practice in radio speaking, writing, directing, and editing. Prereq: Speech 101 and 230.

337 Advanced Radio Production  
A continuation of Speech 336 with emphasis on advanced radio production and programming. Performance techniques of acting and directing are stressed through participation in on-the-air productions. Prereq: Speech 336 or permission of instructor.

342 The Rhetoric of Protest  
An exploration of the concepts of communication inherent in protest, agitation, control, revolution, crisis, radical change, riot and violence. Special attention will be given to the social impact of these phenomena. Prereq: Speech 101 or equivalent.
Contemporary Systems of Communication 3 hours
An adaptation of systems concepts to the study of human communication processes with emphasis on the definition of contemporary communication systems and their relationship to other systems. Prereq: Speech 101.

Voice and Phonetics 3 hours
Anatomy, physiology, and acoustics of speech and hearing; effective breathing, phonation, pitch, rate, quality, articulation and pronunciation; broad transcription in the International Phonetic Alphabet. Prereq: 3 hours Speech or permission of department chairman.

Speech-Communication for Teachers 3 hours
*(Same as F.E.D. 361)*
The application of principles and techniques of speaking and listening to problems of communication with pupils and parents and to enhancement of productive communication growth in pupils. Prereq: Junior standing and admission to teacher education program.

Oral Communication in the Black Community 3 hours
Review, analysis and evaluation of the world view and favored mode of communication, and their impact on cultural art forms, of the Afro-American people, such as music, folklore and language.

Advanced Projects in Speech Each 1-3 hours
Special projects in speech supplementing regular courses: individual research projects; combined study and practicum. Prereq: Junior or Senior Standing; at least 9 hours of work in the general area of Speech to be studied.

Development of Rhetorical Theory 3 hours
The origin and development of rhetorical theory and practice. Prereq: 6 hours Speech and Junior Standing.

Studies in American Public Address 3 hours
Study of representative American speakers from the Eighteenth Century to the present. Prereq: 9 hours of Speech and Junior Standing.

Political Broadcasting 3 hours
A study of the evolving role of the electronic media in shaping political activities in our contemporary democratic society. Prereq: Speech 230 or Journalism 101 or Political Science 100 or Senior Standing.

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

Issues in Broadcasting 3 hours
A study of current economic, legislative and sociological issues facing the American system of broadcasting. Prereq: Speech 230.
436 (836M) **Broadcasting Sales Seminar** 1 hour
A study of the overview of broadcasting economics and sales. Prereq: 9 hours of broadcasting courses or permission.

437 (837M) **Communication Workshop** 3 hours
The purpose of this workshop is to explore and develop new communication processes which can be of service at the individual and community level; to develop skills in the formulation and execution of such processes; and to increase awareness of the pragmatics of communication. Prereq: Speech 230, Junior standing or permission of the instructor.

450 (850M) **General Semantics: A System of Inquiry in Developmental-Environmental Communication** 3 hours
An introductory, student participation course designed to sustain and advance individualization and humanization: Developing awareness, self-actualization and empathic orientations — in various changing environments — by means of linguistic and diagrammatic devices in both intrapersonal and interpersonal communication. Prereq: 6 hours of Speech and 3 hours of Psychology, and Junior Standing.

451 (851M) **Persuasion** 3 hours
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.

452 (852M) **Psycholinguistics** 3 hours
(Same as Psychology 452 and 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 permission.

453 (853M) **Seminar in Cross-Cultural Communication** 3 hours
(Same as Sociology 453 and 853M)
This seminar will be directed towards understanding the components of cultural and subcultural misinterpretation, with the purpose of bringing to awareness those factors which disturb communication in cross-cultural situations. Prereq: Junior Standing or permission of instructor.

454 **Problems in Urban Communication** 3 hours
Course is directed towards those individuals who wish to gain a practical understanding of formal and informal urban communication networks. The course represents a continuation of research in the application of media in urban areas. Prereq: Permission of instructor.

462 (862M) **Directing Forensics** 3 hours
To provide students planning to teach speech in high school or college
with a philosophy and detailed knowledge of how to direct a forensic program. Prereq: Junior standing and Speech 112 or permission.

801V  **Introduction to Research in Speech**  3 hours
Basic components, functions, and spirit of research; research methods in the arts and sciences of oral communication; preparation of a thesis proposal. Prereq: Admission to Graduate Study.

811V  **Seminar: Modern Public Address**  3 hours
Studies in figures, movements and institutions prominent in modern public address. May be repeated. Prereq: Graduate Standing and permission.

830V  **Seminar in Broadcasting**  3 hours
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 hours
(Same as Psychology 850V)
Analysis of current approaches to the study of communication, with emphasis on theoretical models, and their application to various professional interests. Prereq: Basic statistics; or by permission of instructor.

857V  **Seminar in Electronic Media and U.S. Society: 1950-1970**  3 hours

940  **Seminar in Small Group Communication**  3 hours
(Same as Sociology 840V and Psychology 940)
Research and theory in the process of small group communication and leadership; research procedures; approaches to teaching a discussion course. (Brilhart) Prereq: Speech 801V or equivalent, or basic statistics, or permission of instructor.

955  **Seminar in Applications of Non-Verbal Communication Theory**  3 hours
(Same as Secondary Education 936 and Psychology 936)
Theories and research on the development, facilitation and barriers of human non-verbal communications. 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.

899  **Thesis**  1-3 hours each
Independent research project written under the supervision of an advisor.
The College of Business Administration offers courses of instruction in ten program areas leading to a Bachelor of Science degree in Business Administration (BSBA).

DEGREES AND CURRICULUM REQUIREMENTS

Degrees are granted, upon application, to students who successfully complete the prescribed requirements for the four-year curricula offered by the College of Business Administration. The degree Bachelor of Science in Business Administration is offered with a choice of an area of specialization.

All students must meet the University and College entrance requirements (see pages 7-8); must earn a minimum of 125 credit hours in courses acceptable to the College with an average grade of “C” (Two quality points) or above; and must complete the curricula requirements for the degree as outlined or otherwise stated. Students must also achieve at least a 2.0 quality point average for all work taken in the College of Business Administration.

Grades in course work completed to satisfy the specialization (major) area must be “C” or better. For any course in which a “D” is earned, the student must arrange with the adviser for a suitable substitute, or retake the course and receive a grade of “C” or better.

Upon the recommendation of the appropriate chairman, the Curriculum Committee of the College of Business Administration may grant placement or credit by examination in accordance with the University policy set forth in the catalog section entitled Granting of Placement and Credit by Examination.

A degree with distinction is granted to a student who has demonstrated a superior understanding of his area of specialization. It is based on a program of work beyond the student’s regular courses, and it is not an automatic honor like cum laude. Application for a degree with distinction should be made by the end of the second week of the semester during which the student applies for a degree. Forms of application are available in the Office of the Dean. A student may be nominated if his overall grade average is 2.8, his average in upper division core requirements is 3.0, and his average in his area of specialization (at least 9 hours completed) is 3.2. In addition to meeting the academic requirements for distinction, the student will take a three-hour examination related to his area of specialization and a three-hour examination covering business, economics and related subjects. The written examinations, if satisfactory, are followed by an oral examination.

General Requirements for the BSBA degree:

- Sixty of the semester hours presented for the degree must be earned in Upper Division courses in the 300 and 400 series.

- The last 34 semester hours required for the degree must be registered for and carried in residence at the University of Nebraska at Omaha.

- Registration in courses more than one number removed from the student’s class standing requires permission of the Dean.
• Remedial courses such as English 90 and reading improvement or orientation courses in other colleges may not be counted as a part of the minimum 125 hours in the degree programs.

• Transfer students who elect to take proficiency examination in English must do so during the first year of residence.

• Deficiencies in High School Algebra must be removed during the first year of residence.

• A maximum of 12 semester hours of approved courses taken in any one department outside the College of Business Administration may be applied toward the degree.

• A maximum of eight semester hours in music laboratory courses such as band, chorus, madrigal singers, or orchestra, either singly or in any combination, may be applied toward the degree.

• A maximum of four semester hours of physical education courses included in the catalog section entitled Physical Education Courses for All Students may be applied toward the degree.

• At least 40 percent (50 semester hours) of the total hours required for the degree must be taken in the College of Business Administration.

• At least 40 percent (50 semester hours) of the total hours required for the degree must be taken in courses leading to a 4-year degree outside the College of Business Administration, excluding physical education activity courses and ROTC. Economic principles and economic history (to a maximum of 9 hours) may be included in this category. Specific requirements include:

  • Humanities (6 hours): This requirement may be fulfilled by courses from the 100 and 200 level in art, English (other than 90, 111, 112, and 240) foreign languages, music (other than laboratory courses), philosophy, religion, Humanities 101 and 102, and not more than three hours in speech. Skill and technique courses may not be used to meet the Humanities requirement.

  • Natural Science and Social Science (6 hours): This requirement may be fulfilled by courses from the 100 and 200 level in biology, chemistry, mathematics, physics, geography, history, political science, the introductory courses in the natural sciences, and not more than three hours in psychology or sociology.
# Degree Requirements

## Bachelor of Science in Business Administration

### First Year

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<tr>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>GB 128, Intro. to Bus</td>
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<tr>
<td><strong>Eng. 111, Composition</strong></td>
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<tr>
<td><strong>Humanities</strong></td>
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<tr>
<td>Psy. 101, Intro. to Psychology</td>
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<tr>
<td><strong>Soc. Sci. or Nat. Sci.</strong></td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>GB 131, Computers in Business</td>
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<tr>
<td><strong>Eng. 112, Composition</strong></td>
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<td><strong>Humanities</strong></td>
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<tr>
<td>Soc. 101, Intro. to Sociology</td>
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<tr>
<td>Sp. 101 Speech-Communication</td>
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### Second Year

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<td>Acc. 201, Principles</td>
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<tr>
<td>DS 212, Quantitative Methods</td>
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<td>Econ. 201, Principles</td>
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<td>Non-Business Requirements</td>
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<tr>
<td>Acc. 202, Principles</td>
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<tr>
<td>Econ. 202, Principles</td>
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<tr>
<td>DS 213, Business Statistics</td>
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<tr>
<td>BL 323, Business Law I</td>
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<td>Fin. 325, Corporate Finances</td>
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<td>Mgt. 349, Principles</td>
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<td>Mkt. 331, Marketing</td>
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<td>GB 319, Business Comm. &amp; Reports</td>
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<td>BL 324, Business Law II</td>
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<td>Specialization Elective</td>
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<td>Non-Business Requirement</td>
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<td>Econ. 425, Business Cycles</td>
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<td>BL 446, Government and Business</td>
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<td>GB 448, Business Policy &amp; Admin.</td>
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<tr>
<td>Electives</td>
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<tr>
<td>Specialization Electives</td>
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*Courses are indicated by years as a convenience to the student but may be taken in different sequence.

**Before registering for English the entering student should consult with his adviser concerning the results of placement tests or transfer credit.

***The student will select appropriate courses from these divisions which fit the definitions for Humanities or Natural Sciences or Social Sciences found on Page 209.

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## Selection of a Catalog

A student registering in the College of Business Administration of the University of Nebraska at Omaha for the first time may, except for the limitations described below, complete his work for the degree according to (1) the requirements of the catalog of the year in which he last entered the College and has since been in continuous enrollment or (2) the catalog current at the time the student applies for his degree.

The earliest catalog available to an intra-University transfer will be that applicable at the time the student transfers to the College of Business Administration.

Students entering the College for the first time in the summer will be subject to the catalog for the academic year immediately following.

Failure to complete the requirements for the degree within seven years after the date the student first enters the College will subject him to graduation under the requirements of a later catalog to be approved by the Dean.

The College reserves the right to institute and make effective, after due notice,
during the course of a student’s work toward a degree, any new ruling which may be necessary for the general good of the College, and to substitute courses currently offered for those no longer offered.

SCHOLARSHIPS

Certain scholarships and awards are available specifically to students registered in the College of Business Administration. Detailed information concerning the requirements of these scholarships and awards may be secured from the Dean of the College of Business Administration.

Accounting: The Wilbur R. Irwin Memorial Scholarship Fund provides one scholarship of $200 each year. The recipient must be a junior or senior student who is specializing in Accounting.

Accounting: Two scholarships of $200 each have been provided by the Nebraska Society of Certified Public Accountants which are awarded to junior students specializing in Accounting.

Accounting: The I. B. McGladrey Accountancy Award. An annual award of $250 to a senior specializing in accounting who has demonstrated excellence in accounting. The recipient will be selected by the faculty of the accounting department.

Accounting: The Neal T. Jenkins Memorial Scholarship of $250 has been provided by the Suburban Rotary Club of Omaha. The recipient will be a senior specializing in accounting who is selected by the faculty of the accounting department.

General: The Paul T. Crossman Memorial Scholarship provides $300, divisible on a semester basis, for one year for a junior or senior student enrolled in one of the approved curricula of the College of Business Administration.

General: The Wayne M. Higley Scholarship of $200 established by the Gamma Eta Chapter of Delta Sigma Pi is available to a full-time student enrolled in the College of Business Administration who has reached sophomore standing.

Insurance: The Murray Longworth Memorial Scholarship of $500 is available to students in the College of Business Administration who have performed academically at a high level of scholarship and give potential of continuing such performance. Preference is given to students who are specializing in the area of Insurance.

Insurance: The Omaha Association of Insurance Agents has established a scholarship of $200 for a junior or senior student specializing in Insurance. The student must be a Nebraska resident and meet all other requirements prescribed in the scholarship agreement.

Insurance: The Iota Nu Sigma Insurance Society Scholarship of $200 is provided for candidates who have achieved sophomore status or above, and shall be awarded on the basis of ability and need. The candidate must demonstrate a desire for continuance of study in the field of Insurance.

Insurance: The American Society of Insurance Management (Great Plains Chapter) has established a scholarship in the amount of $200 for a junior or senior student majoring in Insurance. Candidates must present proof of need as well as academic ability, character, and leadership as demonstrated by both curricular and extra-curricular activities.

Insurance: The Life Insurance Leaders of America Charles M. Stewart Memorial Scholarship of $250 is awarded to a resident student in a Nebraska college who has achieved junior or senior standing, and who has demonstrated outstanding potential in the College of Business Administration.
Real Estate and Land Use Economics:
The Daniel G. Cary Foundation $100 Scholarship to an outstanding junior or senior specializing in the field of Real Estate.
The Omaha Real Estate Board has established two scholarships of $200 each to be awarded to outstanding juniors.
The United-Mutual of Omaha Scholarship in Real Estate in the amount of $100 is available to a junior or senior specializing in Real Estate.
The Building Owners and Managers of Omaha Scholarship of $100 for students specializing in Real Estate.
The Omaha Chapter No. 12 of the Institute for Real Estate Management has established a scholarship of $100 to be given to a junior student majoring in Real Estate.
The Robert H. Kooper Scholarship of $300 has been established for a junior or senior student who is following a degree program specializing in the area of Real Estate.
The Eastern Nebraska Chapter No. 111 Society of Real Estate Appraisers scholarship of $100 for outstanding work in Real Estate Appraisal.

Retailing: The Hinky-Dinky Stores Company has established four scholarships of $250 each for students interested in food distribution who are enrolled in the College of Business Administration. These scholarships are renewable.

AWARDS

Accounting: The Paul T. Crossman Memorial Award of a plaque is given to a senior accounting student who is outstanding in citizenship and scholarship. The plaque is provided by Gamma Eta Chapter of Delta Sigma Pi.
The Beta Alpha Psi Scholarship Certificate is awarded by the national council to the graduating senior who has attained the highest cumulative grade point.

Delta Sigma Pi Scholarship Key: Gamma Eta Chapter of Delta Sigma Pi makes available to the faculty of the College of Business Administration a gold key for presentation to the male senior in the College of Business Administration who upon graduation ranks highest in scholarship for his entire course of study.

General: The Wall Street Journal Award of a medallion and subscription to the Wall Street Journal is available to an outstanding senior.

COURSE NUMBERING SYSTEM

The system of course number is arranged to indicate the level of instruction.
100-199 — Courses open primarily to freshmen
200-299 — Courses open primarily to sophomores
300-399 — Courses open primarily to juniors
400-499 — Courses open primarily to seniors
800-Up — Courses open only to graduate students

AREAS OF PROFESSIONAL SPECIALIZATION AND PROGRAMS OF INSTRUCTION

In addition to the courses prescribed in the core program for the degree Bachelor of Science in Business Administration, the student must select an area of specialization.
ACCOUNTING

PROFESSORS: HIGLEY (Chairman), HOCKETT
Associate Professors: BEAMAN
Assistant Professors: DEVINE, ORTMAN
Instructors: ANDERSON, RUESCHHOFF

Accounting data are widely used in all types of business and in government. Students who have a broad training in the field of business supplemented by intensive preparation in the field of accounting will find professional opportunities in public and private accounting, in government and in non-profit institutional services.

The student who is interested in public accounting may prepare for the C.P.A. examination which is given twice each year by the State Board of Examiners of Certified Public Accountants. The requirements for taking this examination are established by the State Boards; therefore, the student should make inquiry regarding the specific requirements well in advance of the examination dates.

The student who is interested in private accounting may prepare for the C.M.A. examination which is given each year in December. The requirements for taking this examination are established by the Institute of Management Accounting. The undergraduate student must take the Admission Test for Graduate Study in Business to be eligible to take the examination. Specific information about the Certificate in Management Accounting is available from the Accounting Faculty.

The following courses in Accounting are required of all students specializing in this area:

**THIRD YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>ACC 303, Intermediate Accounting</td>
<td>ACC 304, Intermediate Accounting</td>
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<tr>
<td>ACC 305, Cost Accounting</td>
<td>ACC 306, Administrative Accounting</td>
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**FOURTH YEAR**

<table>
<thead>
<tr>
<th>ACC 401, Advanced Accounting</th>
<th>ACC 408, Auditing</th>
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<tbody>
<tr>
<td>ACC 403, Income Tax Accounting</td>
<td>3</td>
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<td>3</td>
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</table>

**RECOMMENDED ELECTIVES IN ACCOUNTING**

- ACC 307, Governmental Accounting
- ACC 404, Advanced Tax Accounting
- ACC 412, Advanced Accounting Prob.
- ACC 451, Accounting Internship

**COURSES OF INSTRUCTION**

201 **Principles of Accounting**
3 hours
Basic structure of accounting; accounting cycles for a merchandising enterprise; notes, prepayments, and accruals; receivables, inventory, and plant assets; and accounting controls and concepts. Sophomore standing. (Students specializing in accounting may enroll as freshman).

202 **Principles of Accounting**
3 hours
Partnerships; corporations; department, branch and manufacturing operations; cost accounting, additional accounting reports for management, creditors, and investors. Prerequisite: ACC 201.

300 **Managerial Accounting**
3 hours
Accounting information available to management and other interested
parties as a guide to decisions about an enterprise; relates accounting to topics from finance, economics, mathematics, and statistics. Not included in area of accounting specialization. Credit will not be given for this course if the student has taken ACC 306 Administrative Accounting. Prerequisite: ACC 202.

301 Basic Accounting 3 hours
The concepts and uses of accounting for planning, controlling, and decision-making by managers, owners, creditors, and others. Not open to Business students.

303 Intermediate Accounting 3 hours

304 Intermediate Accounting 3 hours
A continuation of the study of balance sheet items: current assets, tangible and intangible fixed assets, investments, liabilities, funds, and reserves, determination of net income, statement of application of funds. Prerequisite: ACC 303.

305 Cost Accounting 3 hours
Cost accounting records; principles and practices used in accounting for production management; job order and process cost accumulation methods. Prerequisite: ACC 202.

306 Administrative Accounting 3 hours
Accounting as a guide for management. Considerations of controversial problems of accounting practice. Credit will not be given for this course if the student has taken ACC 300 Managerial Accounting. Prerequisite: ACC 305 and DS 213.

307 Governmental Accounting 3 hours
A study of accounting techniques as applied to the accounting systems for a governmental unit; emphasis is placed upon fund accounting as distinguished from profit motive accounting. Prerequisite: ACC 202.

401 Advanced Accounting 3 hours
A detailed study of partnerships, joint ventures, consignment and installment sales, insolvency and receivership, branch, parent and subsidiary relationships. Prerequisite: ACC 304.

403 Income Tax Accounting 3 hours
A familiarization with the federal income tax as it applies to individuals, partnerships, corporations, estates and trusts. Prerequisite: ACC 202 or ACC 301.

404 Advanced Tax Accounting 3 hours
Specialized areas in income tax accounting, social security, federal estate and gift taxes are covered to prepare the accountant for tax
planning, research and solution of problems encountered in tax practice. Prerequisite: ACC 403.

408 Auditing 3 hours
Auditing standards, principles, procedures, and techniques; internal control, audit programs, working papers, and reports; professional ethics and legal responsibility. Prerequisite: ACC 401.

412 Advanced Accounting Problems 3 hours
Discussion and problems are used to develop and refine problem-solving techniques for areas frequently recurring in the C.P.A. examination and in accounting practice. Prerequisites: ACC 306 and 401.

450 Special Problems in Accounting 2 to 3 hours in any one semester
Individual investigation of specific problems in the field of Accounting. Prerequisites: Senior standing and permission of the program chairman.

451 Accounting Internship 1 to 4 hours in any one semester
A course for the junior or senior student in accounting which permits him to apply his professional knowledge in a part-time or full-time employment situation with a public accounting firm, private business, or an institution. Supplemental readings and reports may be a requirement of the course. Prerequisites: Junior standing, ACC 304, permission of program chairman.

BANKING AND FINANCE (FIN)
PROFESSORS: HARRIS (Chairman), BENECKE, STEELE
Associate Professor: NIELSEN
Assistant Professor: HUGGINS

The extensive and complex financial problems resulting from the rapid increase in the size of business units have presented a demand for persons who are qualified to devise solutions. Institutions interested in employment of persons with a sound background education in Finance include banks, insurance companies, savings institutions, security dealers and brokers, and the treasury departments of many large business corporations.

All students in the Finance area are required to register for:

ACC 300, Managerial Accounting
FIN 340, Investment Principles and Practices
FIN 415, Management of Business Finance

On the advice of his adviser, the student will select a minimum of nine credit hours from the following recommended electives:

ACC 403, Income Tax Accounting
ECON 445, Monetary Theory and Policy
FIN 334, Credit Management
FIN 354, Money and Banking
FIN 355, Public Finance
FIN 365, Commercial Banking
FIN 435, Financial Institutions
FIN 456, State and Local Finance
FIN 465, Bank Administration
INS 371, Risk Management and Insurance
INS 372, Life and Health Insurance
RE 344, Real Estate Principles and Practices
RE 439, Real Estate Investment, or
RE 440, Real Estate Finance

A student may complete an area in Banking by taking the required courses in the Finance area plus FIN 365, FIN 435, and FIN 465.
228 **Personal Finance** 3 hours
A practical study of methods of solving financial problems which people encounter in managing their individual and family affairs; among topics covered are insurance, home buying, use of credit, personal taxes, savings, investment in securities, and estate planning.

325 **Corporation Finance** 3 hours
The financial process from the viewpoint of management in planning, directing, evaluating, and taking remedial action in providing management of money capital for the business firm. Prerequisites: ECO 201 and 202; ACC 201 and 202; and Junior standing.

334 **Credit Management** 3 hours
A study of credit functions, instruments, risk, organization and management, sources of information, adjustments, bankruptcy, credit limits and credit and collection control. Prerequisite: ACC 201.

340 **Investment Principles and Practices** 3 hours
A study of a systematic way of thinking about problems of investment policy, management of a securities portfolio, and an introduction to the field of security analysis. Prerequisites: FIN 325 and Junior standing.

345 **Money and Banking** 3 hours
A banking approach to the fundamentals of the monetary and banking system. Prereq: Econ 201, 202.

355 **Public Finance** 3 hours
Theories of taxation and principles of public expenditure. Prereq: Econ 201, 202.

365 **Commercial Banking** 3 hours
A study of the organization and operation of commercial banks with emphasis upon bank functions, sources of income, control of expenses and assets, formulation of loan and investment policies, and regulatory authorities. Prerequisites: ACC 202, ECO 345.

415 **Management of Business Finance** 3 hours
This course develops ability to analyze and solve problems in the management of business finance, including current financing, long-run financial needs, reserve and dividend policies, promotion and the financing of expansion and combination, through the use of case studies. Prerequisites: FIN 325 and Senior standing.

435 **Financial Institutions** 3 hours
An integrated study of the financial system; commercial and central banks, consumer credit institutions, commercial finance companies, factors, saving and loan associations, mutual savings banks, commercial paper market, agricultural financing institutions.
commodity exchanges, stock exchanges, investment banking, investment companies, and insurance companies. Prerequisite: ECO 345.

450 Special Problems in Banking and Finance 2 to 3 hours in any one semester.
Individual investigation of specific problems in the fields of Banking and Finance. Prerequisites: Senior standing and permission of the program chairman.

451 Banking and Finance Internship Maximum of 4 hours.
1 or 2 hours in each semester.
Correlation of theory and practice through part-time employment and weekly seminars; required readings. Prerequisite: Permission of the program chairman.

456 (856M) State and Local Finance 3 hours
An inquiry into the facts, techniques, principles, theories, rules, and policies shaping, directing, influencing, and governing the spending, taxing, debt, and utilization of scarce resources for state and local governments. Prereq: Econ 201 and 202.

465 Bank Administration 3 hours
An advanced course in banking involving problems of day-to-day management of the money position, loan and investment portfolio, formation and adequacy of capital. An analytical approach. Prerequisite: FIN 365.

BUSINESS TEACHER EDUCATION-SECONDARY
MISS MINTEE, Adviser
Students desiring to qualify for a secondary teaching certificate in connection with the degree Bachelor of Science in Business Administration may do so by meeting the certification requirements established by the College of Education.

DECISION SCIENCES (DS)
PROFESSOR: CONWAY
Associate Professor: RE VELLE (Chairman), STOLEN
Assistant Professors: ETTKIN, SHOULTZ
Instructor: McMANIS

COURSES OF INSTRUCTION

212 Quantitative Methods 3 hours
A study of quantitative methods and their applications in business: including systems of linear equations, linear programming, compact notation, probability theory, mathematics of finance, and calculus. Prerequisites: Two semesters of high school algebra.

213 Business Statistics 3 hours
Emphasizes the function of statistics in business, including collection
and presentation of data, frequency distribution analysis, averages, measures of dispersion, sampling, correlation, index numbers, and time series analysis. Prerequisite: DS 212.

314 Applied Business Statistics 3 hours
A study of chi-square tests, analysis of variance, partial and multiple correlation, and various probability distributions. An introduction to statistical design. Applications will be restricted to business problems. Prerequisite: DS 213.

315 Principles of Operations Research 3 hours
A study of selected quantitative techniques in business research. Each student will prepare research reports based on both empirical investigations and current literature. Prerequisites: DS 212, DS 213, and junior or senior standing.

450 Special Problems in Decision Sciences 2 to 3 hours in any one semester
Individual investigation of specific problems in the field of decision sciences. Prerequisites: Senior standing and permission of the program chairman.

451 Decision Sciences Internship Maximum of 4 hours
1 or 2 hours in each semester
Correlation of theory and practice through part-time employment and weekly seminars; required readings. Prerequisite: Permission of the program chairman.

ECONOMICS (ECON)
PROFESSOR: HARRIS (Chairman)
Associate Professors: STOLEN, TURNER
Assistant Professors: ANTHES, BETTER, CONNELL, JOY, KERCHNER, TUSH, WATANABE, WEST

A student may select as his area of specialization a concentration in Economics. All students in the Economics area are required to complete the following courses in addition to the other requirements in the College of Business Administration:

Econ. 320 Economic Theory-Micro 3 hours
Econ. 322 Economic Theory-Macro 3 hours

In addition to the required courses listed above, the student must select a minimum of fifteen credit hours in the Program in Economics at the 300 or 400 level, at least six hours of which must be at the 400 level.

COURSES OF INSTRUCTION

201 Principle of Economics 3 hours
An introduction to economic principles, problems, and policies with emphasis on national income theory and measurement, employment, growth, money, and price level changes. Prerequisite: none.
202 Principles of Economics 3 hours
A continuation of Economics 201. Emphasis in this course is on the price mechanism, market structures, product and resource markets, and alternative economic systems. Prereq: none.

305 Minority Urban Community Economic Development 3 hours
(Same as 305 Black Studies)
The premise of this course is that economic dependence of American non-white minorities does exist, in fact, as a result of the history of implementing the white dominance system in the Western World. The Urban Ghetto provides the most blatant examples of the problem and the attempts at solutions in reference to the Black community. The purpose of this course is to examine the variety of solutions that have been attempted to analyze the circumstances in which each succeeded or failed.

311 American Economic History to 1865 3 hours
(Same as Hist. 311)
A study of our agricultural, commercial, financial, and industrial society, from Colonial times through the Civil War. Prereq: Econ 201, 202.

312 American Economic History Since 1865 3 hours
(Same as Hist. 312)
A continuation of Econ 311 from the Civil War to the present. Prereq: Econ 201, 202.

313 Economic Geography 3 hours
(Same as Geog. 313)
An intensive study of commercial production in agriculture, fishing, forestry, mining, and manufacturing as related to geographic factors. Prereq: Econ 201, 202.

315 Labor Economics 3 hours
An historical and analytical survey of developments in the field of labor. Prereq: Econ 201, 202.

320 Economic Theory: Micro 3 hours
An advanced theory course including the economics of the firm and price analysis. Prereq: Econ 201, 202.

322 Economic Theory: Macro 3 hours
Macroeconomics concerns itself with the output, income and growth of the U.S. Economy as a totality. Prereq: Econ 201, 202.

335 Economic Systems 3 hours
An analysis of the underlying concepts and characteristic features of the major economic systems as exemplified by capitalism, communism, and socialism. Prereq: Econ 201, 202.
351 Economic History of Europe to 1760 3 hours
(Same as Hist. 351)

352 Economic History of Europe Since 1760 3 hours
(Same as Hist. 352)
A survey of agricultural, commercial, financial and industrial European society, together with the development of economic thought from 1760 to the present. Prereq: Econ 201, 202.

365 International Economics 3 hours
Principles and financing of international trade. Monetary, tariff and lending policies. Prereq: Econ 201, 202.

411 (811M) Government and Labor 3 hours
Provides a background of knowledge and understanding of the development of public policy, the regulation of labor by government and the relationship of the various levels of government to labor. Prereq: Econ 315.

412 (812M) Urban Geography 3 hours
(Same as Geography 412, Soc. 412, and Hist. 445)
A geography of the city from the viewpoint of history, site, and situation, external relations, internal relations, and the comparative study of cities. Prereq: Econ 201, 202.

413 (813M) Geography of Manufacturing 3 hours
(Same as Geog. 413 [813M])

415 Manpower Economics 3 hours
Wage theories and processes of wage determination; economic and institutional factors determining the level and composition of labor supply and demand; manpower implications of automation; labor mobility; governmental manpower policies. Prereq: Econ 315.

418 (818M) Collective Bargaining 3 hours
A study of the issues, structures and procedures involved in collective bargaining, and the settlement of disputes, as centered around the labor-management contract. Prereq: Econ 315.

421 Competition and Monopoly in American Industry 3 hours
An appraisal of the role of competition and monopoly in the American economy; examination of market structure, conduct, and economic performance in a variety of industries. Prereq: Econ 320.

423 (823M) Advanced Macro-Theory 3 hours
A study of the level of income, production, employment, and growth in the modern economy. Prereq: Econ 322.
425  **Business Cycles**  3 hours
A study of business fluctuations in the aggregate economy, their causes as seen by economic theorists, measures which aid in stabilization of fluctuations, and macroeconomic forecasting. Prerequisites: ECO 201 and 202 and Senior standing.

426  (826M)  **Evolution of Economic Thought**  
**Medieval through Classical Period**  3 hours
Tracing the evolution of economic thought from the Medieval through the Classical period. Focus is on the interaction of institutional milieu, thought, and economic doctrine. Prereq: Econ 201, 202.

427  (827M)  **Evolution of Economic Thought**  
**Neo-classical to Modern Period**  3 hours
Tracing the evolution of economic thought from the Neo-classical to the contemporary period. Focus is on the interaction of institutional milieu, thought, and economic doctrine. Prereq: Econ 201, 202.

430  (830M)  **Econometrics**  3 hours
Introduction to the study and application of modern statistical and mathematical methods to economic models. Prereq: B.A. 313, Econ 201 and 202 or equivalent.

436  (836M)  **Comparative Economic Philosophy**  3 hours
The mainstreams of political and economic philosophy are examined in order to understand both the political basis of comparative economic systems as well as to judge the political consequences of changing economic policy. The emphasis is prior to the twentieth century. Prereq: Econ 320.

437  (837M)  **Contemporary Economic Philosophy**  3 hours
A continuation of Economics 436 with emphasis upon contemporary writers and thinkers. Prereq: Econ 322.

445  (845M)  **Monetary Theory and Policy**  3 hours
The role of money in the stabilization at high levels of production, employment, income and prices. Emphasis is on contemporary problems. Prereq: Econ 345.

450  **Special Problems in Economics**  2 to 3 hours in any one semester.
Individual investigation of specific problems in the field of Economics. Prerequisites: Senior standing and permission of the program chairman.

451  **Economic Internship**  
Maximum of 4 hours
1 or 2 hours in each semester
Correlation of theory and practice through part-time employment and weekly seminars; required readings. Prerequisite: Permission of the program chairman.
466  (866M)  **International Economic Development**  3 hours
Problems relating to early stages of economic development; investment
priorities, mobilizing savings and policies and programs are studied.
Prereq: Econ 201-202.

480  **Managerial Economics**  3 hours
Economic analysis applied to executive decisions; emphasizing the
empirical determination of demand, and the nature and determination

485  **Economics in Urban Areas**  3 hours
(Same as Geog. 485)
An analysis of urban growth and development within the framework of
economic theory. The discussion centers around urban growth, the
goals of the urban economy, urban problem areas, and policy issues.
Prereq: Econ 320 or 322.

487  **Regional Economics: Growth and Development**  3 hours
(Same as Geog. 487)
A background in regional economic development and theories.
Knowledge regarding the structure, stability, and growth of regions.
An intelligent critique of policies that have been and are being applied.
Prereq: Econ 320 or 322.

490  **Current Economic Problems**  3 hours
A course designed for individuals with some training in the field of
economics. The course attempts to relate economic theories to today's
social problems and show how economics provides both insight to
understanding the problem and possible alternative solutions.
Discussion of a variety of topics including poverty and income
inequality, black economic development, environmental quality, and
the social imbalance controversy. Prereq: 9 hours of Economics.

491  **Internship in Local Government**  Credit 2 hours per sem.
(Same as Pub. Adm. 491, Soc. 491, Hist. 491, Geog. 419)
to a max. of 6

**GENERAL BUSINESS (GB)**

**COURSES OF INSTRUCTION**

120  **Business Career Development**  1 hour
Development and understanding of the professional careers available
to students in business administration. Special attention is devoted to
help a beginning student select a course of study in which he can utilize
his strongest aptitudes and interests.

128  **Introduction to Business**  3 hours
A three-part survey of business: a study of the foundation of business,
an analysis of the functional relationships within the business concerns,
and a discussion of the societal issues confronting contemporary
business.
131  Computers in Business  3 hours
A survey of computer processes and equipment. The course includes
principles of data processing, computer language, and the application
and impact of data processing on business.

319  Business Communications and Reports  3 hours
Study of business letters and reports and their role in communication
and human relations, problems faced by writers of letters and reports,
practice in writing various types of letters including the letter of
application and resume, some report writing. Prerequisites: ENG 112
and Junior standing.

320  Advanced Business Communications and Reports  3 hours
A detailed study of report writing. All phases of the complete formal
report will be covered plus a variety of short form reports, both internal
and external. Emphasis on the role of reports in providing information
to carry on the functions of the business and professional worlds and as
a vehicle for creativity and evaluation. Prerequisites: BA 319, Junior
standing.

448  Business Policy and Administration  3 hours
A study of business problems from a top management perspective:
lectures and discussion by prominent businessmen relative to policy
formulation, administration, and control; case studies of management
problems; student research or critiques; and participation in a business
decision-making simulation game. Prerequisites: Senior standing, BA
325, Mkt 331, Mgmt 349.

INSURANCE (INS)
PROFESSOR: ROKES
Associate Professor: KOUATLY (Chairman)

Specialization in the field of Insurance gives the student the necessary
background for one of many careers in the industry including: underwriting, claims
handling, auditing, actuarial, agency or field work, branch or home office
management. Students are encouraged to take courses which are helpful in passing
examinations for the professional designations, Chartered Life Underwriter (CLU)
or Chartered Property and Casualty Underwriter (CPCU). (See the Insurance
Certification programs under the College of Continuing Studies).

The following Insurance courses are required of all students specializing in this
area:

THIRD AND FOURTH YEARS

INS 371, Risk Management and Insurance .......... 3
INS 372, Life and Health Insurance ............... 3
Recommended Elective .......................... 3

INS 376, Social Insurance .......................... 3
INS 374, Property and Casualty Insurance .......... 3

RECOMMENDED ELECTIVES

ACC 403, Income Tax Accounting
FIN 340, Investment Principles and Practices
MGT 404, Human Resources and Management
MKT 432, Sales Management
RE 344, Real Estate Principles and Practices
RE 441, Real Estate Appraisal
COURSES OF INSTRUCTION

371 Risk Management and Insurance 3 hours
A study of the concept of risk and its implications in decision making. Risk measurement, risk treatment, and insurance as a tool in risk management are studied. This course lays the foundation for more specialized risk and insurance studies and provides an essential background to the insurance consumer. Prerequisites: ECO 201 and 202.

372 Life and Health Insurance 3 hours
A study of the theory and practice of life and health insurance; the human life value concept and protection against loss of earning power. Analysis of contracts. Reasons for, and methods of evaluating company reserves and surplus; policy-nonforfeiture values and dividends. Pension and estate planning principles. Prerequisite: ECO 201 and 202.

374 Property and Casualty Insurance 3 hours
A concentrated analytical approach to the study of property and liability loss exposures and insurance coverages for both personal and business applications. Rating principles are considered. Risk Management techniques are explored. Prerequisites: ECO 201 and 201.

376 Social Insurance 3 hours
Public measures against economic insecurity; analysis of political issues; the Social Security Act; insurance vs. assistance programs for old age; survivorship, disability and medical benefits; workmen's compensation; unemployment compensation; problems of special groups; problems of minority groups. Prerequisite: ECO 201 and 202.

LAW AND ADMINISTRATION
PRE-LAW PROGRAM

This is a growing recognition of the importance of a business administration background in preparation for the practice of law. Lawyers today are called upon to advise the businessman on his problems concerning taxation, fair trade practices, labor relations, government contracts, and other matters requiring legal counsel. Such a combination program is especially useful for those students who desire to affiliate with a corporation.

By following the prescribed program and conditions stipulated, a student may receive the degree Bachelor of Science in Business Administration with an area of specialization in Law; as follows:

- Successful completion of 96 semester hours in the Business Administration and Law program of the College of Business Administration with an average of "C" or better. The last 66 of these semester hours must be carried in residence in the College of Business Administration. University of Nebraska at Omaha. All requirements of this program must be completed prior to registration in law school.
- BL 323 and 324 may not be presented for degree credit in this program.

- A student must advise the Dean of the College of Business Administration of the name of the law school in which he matriculates and report to his adviser the grades earned in each course at the close of each semester. It will be the responsibility of the student to have certified to the Registrar of the University of Nebraska at Omaha the completion of the required credits in law school by providing an official transcript.

- A student must meet such other requirements for the degree Bachelor of Science in Business Administration as are prescribed.

### FIRST YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GB 128, Intro. to Business</td>
<td>3</td>
</tr>
<tr>
<td>Eng 111, Composition</td>
<td>3</td>
</tr>
<tr>
<td>*Nat. Sci. or Soc. Sci.</td>
<td>3</td>
</tr>
<tr>
<td>Non-business Requirement</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101, Intro. to Psychology</td>
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</tbody>
</table>

Total Credits: 15

### SECOND YEAR

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ACC 201, Prin. of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DS 212, Quantitative Methods</td>
<td>3</td>
</tr>
<tr>
<td>ECO 201, Principles</td>
<td>3</td>
</tr>
<tr>
<td>*Humanities</td>
<td>3</td>
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<tr>
<td>Non-business Requirement</td>
<td>3</td>
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Total Credits: 15

### THIRD YEAR

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>GB 319, Bus. Comm. &amp; Reports</td>
<td>3</td>
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<tr>
<td>FIN 325, Corporation Finance</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>5</td>
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<tr>
<td>MGT 349, Principles</td>
<td>3</td>
</tr>
<tr>
<td>MKT 331, Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 17

### FOURTH YEAR

Successful completion of the first full year's requirements of not less than 29 semester hours with an average grade of "C" or better for the first year in any law school recognized and accredited by the American Bar Association.

- With the assistance of his adviser, the student will select appropriate courses from these divisions.

### RECOMMENDED ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACC 300, Managerial Accounting</td>
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<tr>
<td>ACC 303-304, Intermediate Accounting</td>
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<tr>
<td>BL 322, Nature of the Law</td>
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<tr>
<td>BL 446, Government and Business</td>
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<tr>
<td>HIS 463-464, English Constitutional History</td>
<td></td>
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<tr>
<td>INS 371, Risk Management and Insurance</td>
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<tr>
<td>RE 344, Real Estate Principles and Practices</td>
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</tbody>
</table>
COURSES OF INSTRUCTION

322 The Nature of the Law  3 hours
(Same as Criminal Justice 322)
The structure of our legal system; considering the economic, social and political implications as they influence the development of a rule of law. Historical and present legal controversies will be examined. Prerequisites: Junior standing.

323 Business Law I  3 hours
Introduction to law, the court system, unfair competition, trade regulation, contracts, agency, sales. Major emphasis on Uniform Commercial Code when applicable. Prerequisites: ECO 201 and 202.

324 Business Law II  3 hours
Commercial paper, partnerships, corporations, bankruptcy, personal property, real property, suretyship, secured transactions. Major emphasis on Uniform Commercial Code when applicable. Prerequisite: BL 323.

422 Jurisprudence of Labor Relations  3 hours
The regulation of industrial relations with special emphasis on recent labor cases and legislation; strikes, picketing and boycotts; establishment of the collective bargaining relationships; union and management responsibilities and duties. Prerequisites: ECO 201 and 202.

423 Urban Law  3 hours
Common law, U.S. courts, consumer problems, bankruptcy, housing, landlord and tenant, public housing, domestic relations, social benefits; law: constitutional, criminal, enforcement. Prerequisite: Junior standing.

446 Government and Business  3 hours
National policy in controlling economic concentration by maintaining competition or providing regulatory legislation. Changing relationships between government and industry, contemporary developments, the role of the administrative agencies. Prerequisite: Senior standing.

450 Special Problems in Law and Society  2 to 3 hours in any one semester
Individual investigation of specific problems in the field of Business Law. Prerequisites: Senior standing and permission of the program chairman.
Law and Society Internship

Maximum of 4 hours
1 or 2 hours in each semester

Correlation of theory and practice through part-time employment and weekly seminars; required readings. Prerequisite: Permission of program chairman.

MANAGEMENT AND ORGANIZATIONAL BEHAVIOR (MGT)

PROFESSORS: HILL (Chairman), GRAY, MINTEER
Assistant Professors: ANSTEY, CHAPMAN, ETTKIN, JOHNSON, KIRCHHOFF
Instructor: OTTEMAN

Managers perform the function of combining and coordinating human and material resources to attain organizational goals efficiently. The management program contains planned options which enable the student to select courses emphasizing either the industrial or personnel aspects of the discipline.

The following courses are required of all students specializing in this area:

THIRD YEAR

Specialization Elective ..................................3

FOURTH YEAR

MGT 404. Human Resources and Management .......3
Specialization Elective ..................................3

MGT 410. Org. Theory and Practice ..................3

SPECIALIZATION ELECTIVES

BI 422, Jurisprudence of Labor Relations
Econ 315, Labor Economics
Econ 418, Collective Bargaining
MGT 350, Operations Management

MGT 402, Experiments in Management
MKT 438, Industrial Purchasing and Materials Control
PSY 362, Industrial Psychology

RECOMMENDED ELECTIVES

ACC 300, Managerial Accounting
IE 395, Motion and Time Study
INS 376, Social Insurance

JOU 423, Public Relations
SOC 380, Occupational Sociology

COURSES OF INSTRUCTION

349 Principles of Management 3 hours
A systematic analysis of the process of management with the intent of integrating the classical, behavioral, and management science approaches based upon scientific research findings. Prerequisites: ECO 201 and 202.

350 Operations Management 3 hours
A pervasive examination of production techniques with emphasis on analytical methods, the design of operating systems, and study of pertinent concepts of production control. Prerequisite: MGT 349.

351 Personnel Organization and Management 3 hours
Principles and problems of personnel management. Employee
selection, placement, development, appraisal, promotion and transfer, discipline, wages, services and labor relations. Prerequisite: Mgt 349.

402 Experiments in Management 3 hours
A student project course which emphasizes the development and application of supervisory management methods. Prerequisite: MGT 351.

404 Human Resources and Development 3 hours
A comprehensive and integrated analysis of the theory which underlies the behavior of industrial man and how the application of the behavioral sciences through the theory and practice of human relations may foster the development of better worker-management relationships. Prerequisites: Mgt 349 and Senior standing or permission of the instructor.

410 Organization Theory and Practice 3 hours
A systems theory approach to the study of goal formation, social systems, formal and informal structure, decision-making, control, and other facets of modern organization theory.

450 Special Problems in Management and Organizational Behavior 2 to 3 hours in any one semester
Individual investigation of specific problems in the field of management and organizational behavior. Prerequisites: Senior standing and permission of the program chairman.

451 Management Internship Maximum of 4 hours 1 or 2 hours in each semester
Correlation of theory and practice through part-time employment and weekly seminars; required readings. Prerequisite: Permission of the program chairman.

MARKETING (MKT)
PROFESSORS: BULL (Chairman), BROWN, MUSE, PRESTWICH
Associate Professor: AMBROSE

One of the more important problems in business today is the conception, promotion, exchange and physical distribution of economic goods and services. Businessmen are becoming increasingly aware that all activities of the firm must be geared to maximizing the chances of success at the point of sale. Therefore, there is a growing demand for men and women who have the knowledge and management ability to marshal the human and material resources necessary to market effectively an ever-increasing supply of goods and services.

Students selecting the field of Marketing can elect to specialize in General Marketing, Retail Management, or Advertising Management.

GENERAL MARKETING

Employment opportunities for students who complete the program in General Marketing are found primarily at the manufacturing and wholesale levels in both
industrial and consumer goods companies. Managerial positions in sales, procurement, credit, advertising, product planning, marketing research, and top level marketing management are among those available. In addition, employment opportunities exist in advertising agencies, trade associations and certain agencies of the Federal Government.

The marketing courses required for students electing an area in General Marketing are:

MKT 430, Marketing Problems  
MKT 434, Marketing Research

On the advice of his adviser, students in the General Marketing area will select a minimum of nine semester hours from the following recommended electives:

FIN 334, Credit Management  
MKT 333, Retailing  
MKT 336, Advertising  
MKT 338, International Marketing  
MKT 360, Physical Distribution and Transportation  
MKT 414, Retail Management  
MKT 432, Sales Management  
MKT 438, Industrial Purchasing and Materials Control

RETAIL MANAGEMENT

The objective of the Retail Management program is to help prepare college students for executive careers in the retail field. The field offers excellent opportunities in a wide variety of top and middle management executive positions including buyer, department manager, merchandise manager, fashion coordinator, credit manager, store manager, controller, sales promotion manager, operations manager, personnel manager, and owner-manager in one's own business. The rapidly expanding retail facilities throughout the country demand an increasing number of competent men and women to fill these positions.

The marketing courses required for students electing an area in Retail Management are:

MKT 333, Retailing  
MKT 414, Retail Management  
MKT 434, Marketing Research  
Marketing Electives, 6 semester hours

ADVERTISING MANAGEMENT

An area of specialization in Advertising Management is available for the student who desires advanced study and has a professional interest in Advertising. Many opportunities are available for those students who select this area including positions in advertising agencies, advertising departments of manufacturers and service organizations, media advertising departments, trade associations and retail stores.

The Marketing courses required for students electing an area in Advertising Management are:

MKT 336, Advertising  
MKT 415, Advertising Campaigns  
MKT 416, Advertising Management  
MKT 434, Marketing Research  
Marketing Elective

COURSES OF INSTRUCTION

205 Personal Selling  
3 hours  
Role of selling in our society. Opportunities in personal selling.
requirements for success with special emphasis on attitude, product knowledge, buyer motivation and behavior, communicative skills, and selling principles and techniques. Not open to those who have taken MKT 105.

331 **Marketing** 3 hours
Survey of the field of Marketing: functions, methods, policies and problems of manufacturers and middlemen; emphasis on principles and policies in relation to marketing efficiency. Prerequisites: ECO 201 and 202.

333 **Retailing** 3 hours
An introductory, management-oriented course which considers the basic decision areas in the retailing mix such as initial requirements and facilities, merchandise planning and control, pricing, physical distribution, sales promotion, and expense management. Prerequisite: MKT 331.

336 **Advertising** 3 hours
The course includes basic social values and functions of advertising; research related to consumers products and markets; preparation of the advertising message (appeals, copywriting, illustration, layout and reproduction of the advertisement), selection of media; testing advertising effectiveness; and advertising administration. Prerequisite: MKT 331.

338 **International Marketing** 3 hours
A study of the processes, procedures, characteristics, and environments for goods and services in foreign market places. Reference is drawn to the theories and concepts of domestic marketing to appraise their applicability to international markets. Considerable attention is given to the features of the foreign market environments which both facilitate the marketing processes, inhibit them, and require strategies and tactics of accommodation.

360 **Physical Distribution and Transportation** 3 hours
The study of physical distribution as an economic activity and its role in the marketing system. The course emphasizes systems analysis, channel selection, plant location, inventory control, and transportation. Prerequisite: MKT 331.

414 **Retail Management** 3 hours
A case course requiring student decisions in the various areas of retail management, such as location, store operation, personnel management, merchandise management, pricing and sales promotion. Supplemented with Student-Executive Contact Program. Prerequisite: MKT 333.

415 **Advertising Campaigns** 3 hours
The planning, preparation, and presentation of the advertising campaign. Defining the goals and measuring the results of campaigns.
The course is designed to integrate advertising campaigns with the total promotion and marketing effort. Prerequisite: MKT 336.

416 Advertising Management 3 hours
Examines the management problems which arise in employing advertising as a part of the promotional efforts of a business. Prerequisite: MKT 336.

430 Marketing Problems 3 hours
A case study course which examines product, price, promotion and channel of distribution policies. Major emphasis is placed upon sales forecasting as the cornerstone of all budget decisions and as the practical goal and guideline of marketing decisions. Prerequisite: MKT 331.

432 Sales Management 3 hours
Organization and management of sales departments. Sales planning, forecasting, and analysis. Selection, training, motivation, compensation, and control of salesmen. Prerequisite: MKT 331.

434 Marketing Research 3 hours
Application of analytical tools to marketing problems including markets, products, distribution channels, sales efforts, and advertising. Emphasis on planning, investigation, collections, interpretation of data and presentation of results. Prerequisites: BA 313 and MKT 331.

438 Industrial Purchasing and Materials Control 3 hours
A case course which emphasizes organization for purchasing, purchasing policies, source selection, price and purchase specifications. Prerequisite: MKT 331 or MGT 349.

450 Special Problems in Marketing 2 to 3 hours in any one semester
Individual investigation of specific problems in Marketing. Prerequisites: Senior standing and permission of the instructor.

451 Marketing Internship Maximum of 4 hours
1 or 2 hours in each semester
Correlation of theory and practice through part-time employment and weekly seminars; required readings. Prerequisite: Permission of the program chairman.

REAL ESTATE AND LAND USE ECONOMICS (RE)
Associate Professors: SIROTA (Chairman), NIELSEN, WILSON

Professional training in the fields of Real Estate and Land Use Economics is offered to prepare students for participation in the rewarding opportunities available in both the public and private sectors of our society. Every public agency dealing with human problems found in a real estate environment needs trained people to help find solutions. Urban and suburban community design agencies, including planning and zoning, environmental controls, housing standards, United
States Park Service, Corps of Engineers, highway and road departments and others too numerous to list, want and need trained personnel for their operations.

Similarly, every major corporation diversifying into real estate investments, brokerage companies, managers, appraisers, railroads, banks, savings and loans, insurance companies, land developers and others are outbidding each other for trained and talented people. Our program prepares the student for important roles in these activities.

The following courses are required of all students specializing in this area:

**THIRD YEAR**

RE 344, Real Estate Principles and Practices ........................................ 3

RE 346, Real Estate Law ................................................................. 3

Real Estate Elective .............................................................................. 3

Specialization Elective ........................................................................ 3

**FOURTH YEAR**

RE 440, Real Estate Finance ................................................................. 3

RE 441, Real Estate Appraisal ............................................................... 3

(MAI, SRA)

**REAL ESTATE ELECTIVES**

RE 244, Building Industry
RE 343, Brokerage
RE 345, Management (CPM, RAM)
RE 347, Metropolis Values
RE 348, City Planning
RF 439, Investments

RE 442, Appraising Investment Property
RE 443, Problems of the Environment
RE 444, New Communities
RE 445, Urban Laboratory

**SPECIALIZATION ELECTIVES**

BS 216, Characteristics of African Community Organization
ECON 335, Economic Systems
ECON 485, Economics in Urban Areas
ECON 487, Regional Economics
FIN 345, Money and Banking
FIN 355, Public Finance
FIN 456, State and Local Finance
GEG 313, Economic Geography
GEG 401, Conservation
GEG 412, Urban Geography
GEG 443, Geography of Manufacturing
GEG 490, Urbanization in Developing Areas
PS 301, Municipal Government
PA 443, Municipal Administration
SOC 314, American Society
SOC 410, The Community

SOC 414, Urban Sociology
BL 423, Urban Law
INS 371, General Insurance
INS 374, Property and Casualty Insurance
MKT 336, Advertising
MKT 432, Sales Management
CE 465, Construction Cost and Controls
CE 466, Construction Techniques
CE 485, Urban Systems I
CET 127, Introduction to Construction
CET 128, Construction Methods
CET 215, Construction Materials
CET 216, Construction Estimating
HEC 213, Home Planning
HEC 306, Interior Design
HEC 316, Commercial Interior Design

**REAL ESTATE CERTIFICATE PROGRAM**

The Real Estate and Land Use Economics Division of the Business College at U.N.O. grants the Real Estate Certificate. This award is conferred for the successful completion of a program of study designed to satisfy the educational requirements for salesmen and brokerage in all 50 states. The courses required for this certificate are:

RE 344, Real Estate Principles and Practices (Prerequisite)
RE 346, Real Estate Law
RE 440, Real Estate Finance
RE 441, Real Estate Appraisal (MAI, SRA)
At least one Real Estate elective from the following:

RE 244. Building Industry
RE 343. Brokerage
RE 345. Management (CPM, RAM)
RE 347. Metropolis Values
RE 348. City Planning
RE 439. Investments

RE 442. Appraising Investment Properties
RE 443. Problems of the Environment
RE 444. New Communities

COURSES OF INSTRUCTION

244 Building Industry and Real Estate 3 hours
Site planning, orientation and design of buildings with emphasis on residential building; introduction to architectural styles, building materials, methods, techniques and processes, preparation of working plans and specifications. Prerequisite: RE 344.

343 Real Estate Salesmanship and Brokerage 3 hours
"Contract form" selling technique; brokerage office location and layout; civic leadership; laws of brokerage; listing dialogue; effective advertising, showmanship; overcoming prospective buyer's objections; financial closing statements. Prerequisites: RE 344 or equivalent real estate experience or permission of instructor.

344 Real Estate Principles and Practices 3 hours
Character of land, real estate markets, ownership, interests; legal instruments, contracts, closing transfers, financing, brokerage; management; appraising, development and investments.

345 Real Estate Management 3 hours
Urban; residential, office, commercial, special purpose buildings, merchandising, maintenance, tenant and public relations. Farm: tenants, crops, soil conservation, livestock, budgets. CPM and RAM designations. Prerequisite: RE 344.

346 Real Estate Law 3 hours
Estates in land, deeds, leases, mortgages, easements, zoning ordinances, covenants, trespass, nuisance, licensees, invitees, real estate brokers, descendant's estates. Prerequisite: RE 344.

347 Metropolis Value Conflicts and Housing Problems 3 hours
Institutionalization of urban life; mission of city, social control, moral power, metropolis and mental life, urban policy, power structure. Transit: mass, auto. Housing: public, slum, for aged, design, production, acquisition, consumption, research. Prerequisite: RE 344.

348 City Planning 3 hours
Cities: ancient, classic, medieval, industrial, commercial. Planning process: general plan, zoning, circulation, neighborhood unit, commercial. Urban renewal: new regional distribution of settlements; dynamic planning for change. Prerequisite: RE 344.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>439</td>
<td>Real Estate Investments</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>A study of the feasibility and the analysis of</td>
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<td></td>
<td>long term investment characteristics of</td>
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<tr>
<td></td>
<td>condominiums, apartments, housing complexes,</td>
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<tr>
<td></td>
<td>office buildings, shopping centers, industrial</td>
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<td></td>
<td>properties, farms and subdivisions. Prerequisite:</td>
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<tr>
<td></td>
<td>RE 344.</td>
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<tr>
<td>440</td>
<td>Real Estate Finance</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>Methods of financing all types of real estate,</td>
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<tr>
<td></td>
<td>funds sources, analysis of mortgage risks, F.H.A.</td>
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<td>underwriting, influences of governmental</td>
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<td>agencies. Prerequisites: RE 344.</td>
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<tr>
<td>441</td>
<td>Theory of Real Estate Appraisal</td>
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<tr>
<td></td>
<td>Valuation theories applied to land, residential,</td>
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</tr>
<tr>
<td></td>
<td>commercial and leasehold real estate; three</td>
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<td>approaches to value; depreciation; capitalization;</td>
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<td>an appraisal required. MAI and SRA designations.</td>
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<td></td>
<td>Prerequisite: RE 344.</td>
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<td>442</td>
<td>Appraisal of Investment Real Estate</td>
<td>3 hours</td>
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<td></td>
<td>Characteristics of yield on investment real</td>
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<td>estate, future income projections, mortgage</td>
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<td>coefficients; purchase and leaseback reversions;</td>
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<td></td>
<td>Ellwood Tables, capitalizing rates of investment</td>
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<td>yields, kinds of annuities, condemnation</td>
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<td></td>
<td>appraisal; individual appraisal of one real</td>
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<td></td>
<td>estate investment required. Prerequisite: RE 441.</td>
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<tr>
<td>443</td>
<td>Real Estate Environmental Problems</td>
<td>3 hours</td>
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<tr>
<td></td>
<td>Localized survey of geological, subsoil,</td>
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<tr>
<td></td>
<td>biosphere, water, surface, man's structural</td>
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<td>changes, present conditions; extent and effects</td>
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<td>of the detrimental practices such as pesticides,</td>
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<td>gamma radiation, waste treatment, over-population,</td>
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<td></td>
<td>ultrasonic boom; feasible ameliorating and</td>
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<td></td>
<td>controlling devices; effects on existing and</td>
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<tr>
<td></td>
<td>contemplated land uses. Prerequisite: RE 344.</td>
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<tr>
<td>444</td>
<td>Creating a Real Estate Community</td>
<td>3 hours</td>
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<td>Market Analysis: Planning streets and land</td>
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<td></td>
<td>development of site for various types of uses</td>
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<td></td>
<td>(residential, campus, civic center, resorts,</td>
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<td></td>
<td>mobil home parks, offices, professional centers,</td>
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<td>housing for the elderly, urban renewal, shopping</td>
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<td>centers.) Prerequisites: RE 344 and senior</td>
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<td>standing.</td>
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<td>445</td>
<td>Urban Real Estate Laboratory</td>
<td>2 hours</td>
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<td></td>
<td>“On-site analysis” of history, economics,</td>
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<td>design and profitability status of local low-,</td>
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<td></td>
<td>medium-, and high-income housing, both single</td>
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<td>and multiple family. Public housing and housing</td>
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<td>for the aged. Shopping centers, industrial</td>
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<td>parks, central business district, and recreational</td>
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<td>real estate. Planning board and city council</td>
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<td></td>
<td>zoning change hearings, county recorder,</td>
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<td></td>
<td>assessor, treasurer offices. Prerequisite: RE 344.</td>
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<tr>
<td>450</td>
<td>Special Problems in Real Estate and Land Use</td>
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<tr>
<td></td>
<td>Economics</td>
<td>2 to 3</td>
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<td></td>
<td>Use Economics</td>
<td>hours in any one semester.</td>
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<tr>
<td></td>
<td>Individual investigation of specific problems</td>
<td></td>
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<tr>
<td></td>
<td>in Real Estate and Land</td>
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</tbody>
</table>
Use Economics. Prerequisites: Senior standing and permission of the program chairman.

451  **Real Estate Internship**  
Maximum of 4 hours  
1 or 2 hours in each semester  
Correlation of theory and practice through part-time employment and weekly seminars; required readings. Prerequisite: Permission of chairman.

**BUSINESS ADMINISTRATION (MBA) GRADUATE MA/MS DEGREE IN ECONOMICS**

The College of Business Administration, in cooperation with the Graduate College, offers course work leading to the following degrees: Master of Business Administration (MBA), the Master of Science (MS) in Economics, and the Master of Arts (MA) in Economics.

The MBA degree is designed for those students interested in developing competence for general management or administrative responsibilities. The MS and MA degrees in economics are intended for students who desire an in-depth knowledge in the field of economics.

For a description of the degree requirements and courses in these graduate programs, please refer to the graduate bulletin.

**PART-TIME FACULTY**

**ALDEN AUST** ...........................................  
B.S., University of Wisconsin, 1938; Lecturer  

*Real Estate*

**WILLIAM BACHMAN**  
M.S., Creighton University, 1964; Lecturer  

*Management*

**GEORGE BABCOCK**  
B.S., University of Nebraska, 1958; C.P.C.U., C.L.U., Lecturer  

*Insurance*

**DAVID BARTON**  
J.D., Northwestern University Law School, 1969; Lecturer  

*Real Estate*

**RICHARD BRANDHORST**  
M.A., University of Northern Iowa, 1970; Lecturer  

*Marketing*

**DOUGLAS BROWN**  
M.B.A., University of Maryland, 1969; Lecturer  

*General Business*

**WILLIAM CRAIG**  
J.D., Creighton University, 1954; Lecturer  

*Real Estate*

**WALTER CROPPER**  
J.D., University of Nebraska-Lincoln, 1968; Lecturer  

*Law and Society*

**BARBARA CUNNINGHAM**  
M.A., Cornell University, 1948; Lecturer  

*Economics*
JOHN DeLaCASTRO ....................................................... Management
M.B.A., Creighton University, 1965; Lecturer

RICHARD ECKSTROM ............................................... Real Estate
B.S., Omaha University, 1957; Lecturer

CHARLES EIDLER ..................................................... General Business
M.B.A., University of Utah, 1962; Lecturer

FRANK FROST ......................................................... Real Estate
B.S., Creighton University, 1953; Lecturer

JAMES HEMMING ..................................................... Accounting
M.S., St. Louis University, 1969; Lecturer

PHILIP HOWLAND .................................................... Accounting
B.S., University of Nebraska at Omaha, 1963; C.P.A.; Lecturer

RICHARD JEFFRIES .................................................. Law and Society
J.D., Creighton University School of Law, 1968; Lecturer

MAURICE KIRBY ..................................................... Real Estate
M.A., University of Nebraska, Lincoln, 1954; Lecturer

STEVEN KORT ......................................................... Accounting
B.S.B.A., University of Nebraska at Omaha, 1967; Lecturer

LOUIS LEAHY ........................................................ Law and Society
J.D., Creighton University School of Law, 1970; Lecturer

STEVEN LUSTGARTEN ................................................ Law and Society
LL.B., Creighton University School of Law, 1960; Lecturer

JOSEPH MUSKIN ..................................................... Decision Sciences
M.S., University of Nebraska-Lincoln, 1972; Lecturer

ARTHUR NEVINS ..................................................... Insurance
LL.B., University of Nebraska-Lincoln, 1932; Lecturer

GILBERT RAGAN ...................................................... Finance
M.B.A., University of Nebraska at Omaha, 1971; Lecturer

JOHN ROSE .......................................................... Decision Sciences
M.B.A., University of Nebraska at Omaha, 1971; Lecturer

NORMA SHIRCK ...................................................... Management
B.S., University of Omaha, 1942; Lecturer

JOSEPH TESAR ...................................................... Law and Society
J.D., Creighton School of Law, 1972; Lecturer

PHILIP WAYNE ...................................................... Real Estate
B.S.B.A., University of New Mexico, 1966; Lecturer
COLLEGE OF CONTINUING STUDIES
WILLIAM T. UTLEY, Dean

The activities of the College of Continuing Studies are administered primarily through two divisions: I. Academic Studies, and II. Community Services. General descriptions of the programs of both divisions appear in the following pages. Each division has prepared literature dealing with specialized aspects of its programs, and interested adults are encouraged to request additional information by mail, by telephone, or in person.

For information about credit programs (college degree credit courses), write to: CCS-Credit, University of Nebraska at Omaha, Omaha, Nebraska 68101, or telephone 554-2370. For information about credit-free programs (including conferences, institutes, and workshops), write to: CCS-Conference Center, University of Nebraska at Omaha, Omaha, Nebraska 68101, or telephone 554-2391.

I. ACADEMIC STUDIES DIVISION
MR. THOMPSON, Assistant Dean

GENERAL INFORMATION
Mission and Clientele

The Academic Studies Division of the College of Continuing Studies concerns itself with adults who are taking undergraduate college courses for credit. In order to provide a full range of services to its varied clientele, "CCS-Credit" performs two major functions. On the one hand it provides general administrative or "housekeeping" services for many categories of the University's students. On the other it provides specific academic and "degree college" services for its own students.

As an administrative service unit, CCS-Credit coordinates the credit courses offered by all colleges of the University during late afternoon, evening, and Saturday morning hours, primarily for the benefit of adult, part-time students. Any degree granted by the University may be pursued through these "extended hours" offerings.

In the same capacity, CCS-Credit "houses" and provides basic program advisement for all part-time evening students, regardless of their age or ultimate academic objective who have not yet earned the 58 credits required for acceptance by the college of their choice. Similarly, CCS-Credit serves all part-time, adult students, whether in day or evening attendance, who are not acknowledged degree candidates. Groups served include the typical "evening college" population of full-time workers who are part-time students, usually in the evening, but frequently in the daytime if housewives or shift workers. Also included is the "special student," the adult who already has a degree, but who returns to take more undergraduate courses for personal or professional reasons.

As a degree-granting college, CCS-Credit administers the Bachelor of General Studies degree. The BGS degree, one of the first in the nation developed especially for and restricted to adults, has been conferred on some 13,000 candidates since its inception in 1950. An Associate in General Studies degree is also available. These degree programs enroll both part-time and full-time students. Detailed specifications of the requirements for each degree appear further on in this section.
Special Features

Several programs of the Academic Studies Division deserve special mention.

**Bachelor of General Studies Degree Program.** This degree program is open only to adults. That is, only men and women who are firmly established in the socioeconomic structure of the community are accepted as candidates. The BGS degree has been developed in keeping with a philosophy which holds that, as students, adults differ in many respects from college-age youths, and therefore a degree program for adults not only could, but should, be different. These differences appear in its liberal provisions for translating into college degree credit the general knowledge acquired independently by self-educating adults, and in its flexibility, whereby any useful combination of liberal arts and professional courses is acceptable. A special feature of this degree program is an academic amnesty policy whereby able adults may earn relief from disabling qualitative deficiencies acquired in earlier attempts at college.

**“Bootstrap” Program.** This degree-completion program serves active duty, separated, and retired military personnel. As the largest such operation in the United States, the College of Continuing Studies “Bootstrap” program is both an important national resource and a major asset to the University and the community. Each year it brings to Omaha, from virtually every branch of the service, several hundred men and women for a final period of full-time study in their pursuit of a college degree. Since 1951 a total of over 11,000 career military personnel, both enlisted and commissioned, have earned baccalaureate degrees in the “Bootstrap” program. Interested parties may obtain preliminary information from the Education Officer, or by writing to the Director of the program at this University.

**Offutt Air Force Base Program.** Since 1951 the College of Continuing Studies has provided courses during off-duty hours for military personnel, their dependents, and civilian employees at Offutt Air Force Base, Headquarters of the Strategic Air Command. This operation has been cited by the Air Force as a model program. In fact, officials from a number of other schools have visited the Base and this campus to learn how they might set up similar activities.

**Serviceman’s Opportunity College.** A nation-wide program has been developed under the auspices of the American Association of State Colleges and Universities to encourage colleges and universities to make postsecondary education more readily available to men and women in the U. S. Armed Forces. This program is called the Four-Year Servicemen’s Opportunity College (SOC) Project. A college or university whose policies meet minimum standards in such respects as admission, acceptance of transfer credit, availability of courses, credit for in-service educational experience, and residency requirements is eligible for designation as a Serviceman’s Opportunity College.

The College of Continuing Studies is pleased to announce that it subscribes to the SOC criteria. In fact, for over twenty years CCS policies and operations have served as models for this development. Both the Bootstrap and Offutt AFB programs attest to the University of Nebraska at Omaha’s long-term cooperation with service personnel desirous of earning baccalaureate degrees.
TV Classroom. The College of Continuing Studies pioneered in the development of instructional television. TV Classroom began in 1952 as a joint venture with station KMTV in Omaha, and has continued uninterrupted. This weekly half-hour program brings university faculty and community leaders together for in-depth consideration of those University activities which directly affect the community. Since the completion of KYNE-TV, the educational television station located on campus, each TV Classroom program is broadcast twice for viewers in the Omaha area, once on KMTV (Channel 3), and once on KYNE-TV (Channel 26).

Entrance Requirements

Any adult who can profit from college-level work may enroll in the College of Continuing Studies. Entrance into the College is arranged by first contacting the Director of Admissions and supplying that office with a completed Application for Admission plus all required supporting credentials. Note especially that ADVANCE APPLICATION IS REQUIRED OF ALL PROSPECTIVE CCS STUDENTS, including all former students who are re-entering.

Application procedures and cut-off dates for filing credentials differ for CCS students, depending on their classification. Part-time students must have all credentials on file in the UNO Admissions Office at least two weeks prior to the start of the semester or summer term. Military program students, who have already filed complete credentials and received credit evaluation “worksheets,” must return the entrance application form specifying the date they plan to begin their study program. Prospective students are invited to direct any questions about admissions procedures to the UNO Admissions Office, 144 Administration Building, Telephone (402) 554-2393.

Adults who have not completed high school, but who wish to work toward a degree, should prepare for and take high school equivalency examinations (high school level GED). One of the agencies administering these tests is the University’s Department of Academic Testing.

For information about the high school level GED tests and about special courses designed to prepare adults for success on these tests, contact your local high school principal, or if a resident of Omaha, the Principal of the Omaha Adult High School, or the Director of the UNO Testing Center.

Transfer students are welcome. Course credits with grades of “C” or better are accepted from all accredited colleges and universities. Credits from certain classes of schools not yet fully accredited may be acceptable after validation by satisfactory work at this University. A maximum of 64 semester hours of credit will be accepted from two-year institutions. Credits earned from accredited colleges and universities via correspondence, TV, and other “extramural” means are acceptable up to a maximum of 25 semester hours.

Transfer students are reminded that when ordering official transcripts in connection with their application for admission they should also order an unofficial copy of their record from each school previously attended for their own files for the purpose of initial advisement (see the section on Advisement Services below). All transfer students are urged to keep copies of catalogs covering periods they were in attendance at other schools in case questions of course content or course equivalencies arise here.

Students who wish to change into the College of Continuing Studies from another UNO college are advised that this procedure must be accomplished in the first half of the enrollment period if courses under way are to be counted toward the
residency requirement for CCS degrees. This means that in regular semesters the change of college procedure must be completed before the end of the eighth week of classes.

Acceptance into the College of Continuing Studies does not imply acceptance as a degree candidate. The separate steps which must be taken to qualify for degree candidacy are specified below in the Degree Requirements section.

Neither does acceptance into CCS indicate that a student will necessarily be approved for full-time study. Such approval is given only to adults in good academic standing. Students of normal college age whose primary orientation is that of a full-time student are served by the other UNO undergraduate colleges. For additional details see the section on Overload Approval, below.

Financial Aid

The University has an Office for Financial Aid to Students. However, most of its funds are available only to full-time students. The most fruitful source of aid for part-time students, other than the Veterans Administration, is the student's own employing organization. CCS students are advised to check with their employer to see if a tuition assistance plan is already in operation or, if not, if there are plans to establish one.

Advisement Services

Program planning and other advisement services are regularly provided by the CCS-Credit professional staff on an appointment basis. Daytime advisement hours are 9 a.m. to 4 p.m. on weekdays throughout the year. Evening appointments are also available on Mondays through Thursdays. CCS advisors are prepared (1) to discuss University course offerings and degree programs as they relate to an individual's personal and vocational objectives, (2) to inventory a student's past record and experience in connection with the College's own degrees, and (3) to provide program advisement to all students in the College who have been accepted as candidates for CCS degrees.

The timing of advisement sessions is critical. During registration periods access to the staff is limited by the pressure of administrative duties. At these times all advisement is on a walk-in basis and of necessity must be restricted to matters of immediate concern. Full-dress record reviews and long-range planning cannot be provided.

The thoughtful student realizes that long-range planning is one thing, and that course selection for a given semester is another. He does not wait for the next term's schedule to appear before he requests a complete program evaluation. Instead, he comes in during the early part of the semester when advisors are readily available. He knows that once he has had a thorough evaluation, course selection is usually a routine do-it-yourself matter. The simple question or two he might have at registration time will then be viewed as a reasonable request.

Prospective students, including all transfer students and all former University of Nebraska at Omaha students whose most recent registration was in some college other than CCS, must bring to advisement sessions their personal (unofficial) copies of transcripts covering all previous college work. For this reason, transfer students should order an additional, unofficial copy of each college transcript for their own files at the same time they order an official copy to be sent directly to the UNO Admissions Office.

Students who fit into one of the categories served by CCS staff advisors need only to locate the proper advisor. Mr. Russell, Mr. Shacklette, and Mr. McKee
provide primary advisement services for military program students, including "Bootstrappers" on campus, and students in the Offutt Air Force Base program, with occasional assistance from Mr. Thompson and Mr. West.

Civilian students are advised primarily by Mr. West, assisted by Messrs. McKee, Russell, Shacklette, and Thompson, all of whose offices are in Room 184 of the Administration Building. Appointments are required and are available both day and evening. To schedule an appointment, call 554-2755, during regular business hours. Students currently enrolled in CCS should call approximately a week in advance of the desired advisement session so there will be time to make sure their file is complete and current.

While nearly all part-time, lower division, evening students are assigned to the College of Continuing Studies as a matter of University policy, many such students are working toward degrees which are under the jurisdiction of other colleges. The first responsibility of such students is to familiarize themselves with the requirements of their desired degree program as published in the University catalog. If assistance is still needed, the CCS staff will help with the relatively uncomplicated issues of the first half of the degree program. But upon attaining upper division standing (58 or more credits), a formal transfer (change of college) should be made, thereby insuring that the specialized advisement needed can be obtained from the faculty of the college which administers the degree.

Students who wish to continue beyond the BGS degree with graduate study should discuss any such plans with their CCS advisor at an early stage in their program. As is the case with any other baccalaureate degree, the chances of acceptance into any graduate program with a BGS degree depend almost entirely on two factors: the course content of the undergraduate degree and the quality of the work done. To ensure optimum course content for specific graduate school objectives, the prospective graduate student should also be sure to consult the relevant UNO academic department head.

**Special Counseling**

Services of the University Counseling and Testing Center, Room 213 Administration Building, are available to CCS students by appointment during evening hours. No fee is charged. These services are designed to help students or prospective students evaluate their academic potential and to help them achieve maximum benefits from their University experience. Counselors also may be consulted for assistance in formulating educational or vocational plans. Aptitude tests and vocational interest inventories are available and are frequently helpful. CCS students are encouraged to take advantage of these services and to inform other prospective students of their availability.

Appointments may be made in person at Room 213, Administration Building, or by telephoning 554-2409 during regular business hours.

**Programming Suggestions**

Adults planning to enter the College of Continuing Studies who have earned little or no previous college credit are urged to take the entire General Examinations battery of the College-Level Examination Program (CLEP/GE) as soon as possible. (See the section on Credit By Examination, below.) Then, if their CLEP/GE score for English is in the 500 range, or above, they are well advised to take the CLEP Subject Examination (CLEP/SE) in English Composition, with a reasonable expectation of establishing credit by examination.
In case CLEP/SE credit is not established for English Composition, then the UNO classroom course in English Composition, English 111, is recommended as the student’s first course. This course, with its emphasis upon ability to express one’s own ideas and to interpret the writing of others, supplies basic communications skills which each student should have working for him throughout his college career.

As an alternative to English 111, or if the entering student wishes to take two courses, the second can be almost any course for which the word “none” appears in the Prerequisite column of the semester Class Schedule. Usually students choose the introductory course in the discipline in which they would like to concentrate, Economics 201. Principles of Economics, is specifically recommended for students concentrating in Business.

An entering student should avoid four and five credit courses as found in foreign languages and sciences, unless assured by an advisor that his particular circumstances qualify him. These more demanding experiences are best reserved until after the initial adjustment to college-level study has been made.

**Study Load**

Each student must regulate his academic load in keeping with the amount of time available for class attendance and outside preparation. Students should be prepared to spend at least two hours on study assignments for each hour spent in class. This means a total commitment of nine hours a week for a single three-credit course. Entering students are especially cautioned against attempting too heavy a program.

It follows that even experienced students holding full-time jobs will not have sufficient study time, ordinarily, to maintain satisfactory scholastic standing in more than two courses (six or seven hours of credit) in a regular semester. Therefore, seven credits is considered the maximum standard study load for College of Continuing Studies students in fall and spring semesters.

**Overload Approval**

Any student in the College of Continuing Studies who wishes to take more than seven semester hours of credit in a regular semester must obtain WRITTEN PERMISSION from one of the professional staff members of the College of Continuing Studies IN ADVANCE OF REGISTRATION. Since such permission will be based on demonstrated academic competence in courses taken at this University, students in good standing who have previously attended UNO may expect to have such requests approved, provided they are eligible for degree candidacy in the College of Continuing Studies. New and transfer students are cautioned not to expect to be allowed to carry more than the specified standard load until they have completed at least one semester in residence. Students on probation are not eligible to carry in excess of the standard load as defined above, unless they have earned academic amnesty.

A special “Overload Request” procedure has been established. Students applying for overload approval for the first time are urged to make an appointment with their CCS advisor at least two months before registration in order that this may be done as part of an over-all program evaluation. For successive requests the procedure provides for “remote” servicing by the simple expedient of calling the CCS Receptionist at 554-2370, or by making out an Overload Approval Card at the CCS reception desk in Room 184, Administration Building, no later than one week before registration begins.
Emergency Withdrawal

To have a “W” (official withdrawal) entered on record for a credit course, a student must file the appropriate change of registration or withdrawal form with the University Registrar (or change from a credit to an audit basis) on or before the last date for voluntary withdrawal as given in the Official Calendar. Withdrawal thereafter, whether official or unofficial (simply ceasing to attend class), normally will result in an “F” grade.

The College of Continuing Studies is aware, however, that its adult students have a range of priority concerns which on occasion may require them to interrupt their studies. Consequently a special procedure has been developed to protect CCS students who are in good academic standing at the time of leaving their course (s) against the automatic penalty of an “F” grade for which they otherwise would be liable, if they withdraw after the deadline date. Any CCS student who, under pressure of circumstances, withdraws from any or all of his courses after the deadline date may take advantage of this “emergency withdrawal” procedure, which works as follows:

1. The student withdraws. Preferably this is done using the appropriate UNO form. In such cases, the student must be certain his CCS advisor clearly understands that the emergency withdrawal procedure is being requested. If the student cannot come to campus, an explanatory letter addressed to the Assistant Dean for Academic Studies, College of Continuing Studies, University of Nebraska at Omaha, Omaha, Nebraska 68101, will be acceptable. (Since full responsibility rests with the student in such cases, the use of certified mail is highly recommended.)

2. At the same time, a “Certificate of Necessity” (normally a brief letter from the student’s physician, employer, etc., addressed as above) should be arranged for, if possible. (Such documentation, while not required, helps put the request for emergency withdrawal in perspective.)

3. CCS initiates the “Emergency Withdrawal” (E/W) form, which is sent to the student’s instructor(s), along with a copy of the “Certificate of Necessity,” if any. The E/W form requests the instructor to assign a “W” (official withdrawal) grade, carrying no academic penalty, if the student was in good standing at the time of leaving the course. Alternatively, if the student was not in good standing, the instructor is asked to confirm the appropriateness of an “F” (failure) grade.

Credit by Examination

College of Continuing Studies students can earn credits toward CCS degrees by achieving acceptable scores on three types of examinations. The intention of this policy is to provide adults with a means of translating knowledge they have acquired informally into college degree credit. By earning advanced standing credit, the adult may qualify to receive his degree in a shorter period of time. The University’s general policy on “Credit by Examination” is stated under this heading in the General Academic Regulations section in the initial pages of this catalog.

One of the avenues is the University of Nebraska at Omaha’s Special Examination procedure. Essentially this involves “challenging” one of the subjects taught at this University by attempting an end-of-course examination. Similarly, certain of the nationally-standardized College-Level Examination Program Subject Examinations (CLEP/SE) have been authorized as acceptable means for earning credit in specified courses. Students who feel they could establish credit by these means should discuss their plans with their CCS advisor, who will assist with the necessary application procedures.
The third (and most popular) avenue is the General Examinations battery of the College-Level Examination Program (CLEP/GE). For scores at or above the 50th percentile on the national sophomore norms, up to six credits each may be granted on the Social Sciences, Natural Sciences, Humanities, and Mathematics parts.

Note that while the CLEP General Examination in English Composition will not be accepted, the CLEP Subject Examination in English Composition is approved for a maximum of six credits. To qualify, the student must take the optional essay portion of the CLEP/SE English Composition test, as well as the "objective" (multiple-choice) portion, and earn a "pass" on the essay plus a score at or above the 50th percentile on the objective part.

Since the purpose of the CLEP General Examinations battery is to credit adults for the knowledge they have acquired informally, eligibility for such credit is reduced by the amount of any credit which the student has earned in the respective "core" areas prior to his CLEP test date. Also in keeping with the philosophy underlying the CLEP program are the rules that (1) only the scores earned on the student's first attempt at each test will be considered unless five years have elapsed since the previous attempt, (2) in order to be eligible for CLEP credit, the student must take the test before he has earned 27 credits at this University, and (3) no CLEP General Examinations credit will be accepted from students who have acquired 65 or more semester hours of credit applicable toward a CCS degree before the CLEP/GE test date. Note that since only successful attempts are entered on a student's record, there is no penalty for an unsuccessful attempt.

It was stated above that any college credit earned in a core area before the CLEP test date will reduce eligibility for CLEP/GE credit. On the other hand, course work taken after the CLEP test date generally will not reduce CLEP credit already earned. However there are a few specific exceptions. To avoid loss of credit, students should note those academic courses which eliminate eligibility for CLEP/GE credit through direct duplication.

### Courses Which Duplicate CLEP Credit

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<thead>
<tr>
<th>CLEP/GE Test</th>
<th>General Title</th>
<th>Specific UNO Course</th>
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<tbody>
<tr>
<td>Social Science</td>
<td>Social Science Survey</td>
<td>None</td>
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<tr>
<td>Natural Science</td>
<td>General Biology (3) and Physical Science Survey (3)</td>
<td>Biology 102</td>
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<tr>
<td>Humanities</td>
<td>Humanities Survey</td>
<td>Physics 101</td>
</tr>
<tr>
<td>Mathematics</td>
<td>College Algebra (3) and Trigonometry (3)</td>
<td>Humanities 101-102</td>
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<td>Mathematics 121(3) and 122(2)</td>
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The University of Nebraska at Omaha is an authorized CLEP test administration center. The CLEP General Examinations battery and CLEP Subject Examinations are given on the third Saturday of each month. Application forms and information about CLEP testing procedures may be obtained from the UNO Testing Center, 213 Administration Building. Note that completed applications must reach the Center at least three weeks before the desired test date. CLEP test fees are $15.00 for a single part and $30.00 for two or more parts of the CLEP/GE, and $15.00 each for CLEP Subject Examinations. CCS students are required to secure a statement of credit eligibility from their CCS advisor before applying for the CLEP General Examinations battery.

Note that credit by examination may constitute no part of a CCS degree candidate's terminal residency requirement. Furthermore, since the granting of
credit by examination does not by itself guarantee that the prerequisite for any particular course has been met, students who earn such credit should consult their CCS advisor before registering for advanced study in the same discipline.

Military Service Credit

Further in keeping with its explicit policy of translating knowledge acquired outside the collegiate setting into degree credit are the provisions the College of Continuing Studies makes for granting credit for military service experiences. All such allowances are based on recommendations of the Commission on Accreditation of Service Experiences of the American Council on Education.

Twelve semester hours of credit is the basic allowance for six months of active duty service. Individuals who have served at least one full calendar year on active duty status, and who hold commissions or warrants, or who have satisfactorily completed United States Armed Forces Institute college-level courses or accredited technical school programs operated by the military services, may be eligible for additional credit. Check with your CCS advisor as to the procedures whereby you may establish a claim to military service credit.

Note that the basic twelve hours of credit is considered to be the equivalent of four credits of freshman and sophomore "general activities" physical education, plus eight credits of freshman and sophomore military science (ROTC). College credits earned in these areas will correspondingly reduce (on grounds of duplication) the basic military service credit allowance.

Note, too, that credits beyond the basic allowance (such as Speech credit for commissioned officers, Business Organization and Management credit for "career courses," and Meteorology credit for pilots) are also subject to duplication by academic courses. Individuals awarded such credit should check the details with a CCS advisor before registering for additional courses.

Probation and Suspension

It is the intention of the College to provide the adult with every opportunity to pursue academic work. However, should a student demonstrate his inability or unwillingness to maintain a satisfactory level of performance, it is no favor to that student, his fellow students, or the University to permit him to continue indefinitely.

It is the policy of the College to review a student's work each semester, once he has accumulated 12 semester hours. A "sliding scale" of performance is required to remain in good standing, ranging from a grade point average of 1.2 for students who have attempted between 12 and 16 hours to 2.0 for students who have attempted 58 or more hours.

Students who fail to maintain required levels of performance will be placed on probation. Probationary students who earn less than a "C" (2.0) average in any enrollment period incur the risk of suspension. See the initial pages of this catalog for a detailed statement of University policies on probation and suspension.

Academic Amnesty

One of the most significant features of the degree programs in the College of Continuing Studies is the provision for academic amnesty. It is well known that many able young people fail in their initial attempts at college. Some accumulate academic deficits so large that it is virtually impossible to "earn back" the lost
quality points. By the terms of the CCS amnesty policy, a student who demonstrates that he can now perform for a sustained period at better than the minimum degree standard can earn what amounts to forgiveness from a poor record acquired in earlier years. For some students this “second chance” policy represents the only practical hope for freeing themselves from a severe qualitative deficit.

**Academic Amnesty Policy**

To be eligible to earn amnesty, a student must be qualified for degree candidacy in all respects except for the qualitative academic deficiency. In addition, immediately prior to beginning an amnesty attempt, the student must have experienced a period of at least one calendar year when not enrolled in any college or university.

To earn amnesty, the returning student must attempt at least twenty-four semester hours of credit with a grade point average of 2.5 or above. The amnesty “run” begins with the student’s first enrollment, immediately upon his return to college study after the mandatory gap of at least one calendar year.

To count toward the amnesty run, the courses taken must qualify as appropriate under the following conditions. The courses must be upper division courses in the student’s area of concentration, allied field, minor subject field, or other discipline demonstrably related to the student’s announced program objectives. The courses must not be repetitions of courses previously taken, whether for audit or for credit, and if for credit, whether passed or failed. The courses must be taken in a continuous series. For this purpose a student is defined as attending on a continuing basis provided he earns at least six credits in each twelve-month period, beginning with the start of his amnesty run.

The benefits of the amnesty policy will apply to all course work taken prior to the interruption in the student’s college attendance record preceding the start of the amnesty run, except that if he wishes University of Nebraska at Omaha credits earned with grades of “D” to be counted toward his degree, the associated quality point deficiency must be offset by a sufficient number of credits earned with grades above “C”, in order to satisfy the requirement for a 2.0 cumulative grade point average on all UNO credits counted toward the degree.

In the application of this amnesty policy, no changes are made on the student’s permanent record sheet or in the cumulative average shown on the student’s end-of-term grade report. Therefore, an “amnestied” student whose cumulative average is still below standard will continue to be reported as “on probation,” so that should he revert to substandard performance he will be picked up in the review of candidates for suspension. With these procedures, amnesty serves its intended purpose of neutralizing poor grades from the past, without providing immunity from poor grades in the future.

A student attempting to earn amnesty who has less than a 2.5 quality point average when he “crosses” (reaches or exceeds) the 24-credit mark may continue as a student in the College of Continuing Studies, if eligible to do so under the retention policies of the College. Provided he remains in continuous attendance as defined above, he will be considered to have earned amnesty if at any later time his grade point average for all appropriate courses attempted since the beginning of the amnesty run reaches 2.5. Alternatively, a student who has failed to earn amnesty may choose to begin a new amnesty run, but only after another period of at least one full calendar year has elapsed during which the student is not enrolled in any college or university.
Progress Toward A Degree

The College of Continuing Studies does not set a time limit on the validity of college credit. Thus each student is free to proceed at his own pace. For certain administrative purposes, however, the College has adopted the rule that to be considered “active” a student must have completed at least six credits in the previous twelve months.

The residency requirement for the Bachelor of General Studies degree as stated below specifies that 24 out of the last 60 credits must be earned as an accepted BGS degree candidate in the College of Continuing Studies. Note that these terms constitute a “floating” residency policy, which markedly contrasts with the traditional “terminal” residency policies commonly encountered. The College of Continuing Studies has adopted this policy in recognition of the high degree of mobility of the adult population it serves. Such a policy can be of strategic benefit to individuals working for business and industrial concerns which have “promotion-with-transfer” policies, as well as to the chronically transient members of the armed services.

DEGREE REQUIREMENTS
Bachelor of General Studies Degree
MR. WEST, Director, Adult Academic Programs
MR. RUSSELL, Director, Military Programs
MR. SHACKLETTE, Assistant Director, Military Programs
MR. McKEE, Advisor, Military Programs

Program Rationale

The Bachelor of General Studies degree is deliberately designed to afford adults a program having flexibility in several respects not provided for by traditional Bachelor of Arts or Bachelor of Science degree programs. Experience has demonstrated the value of this “student structured” degree concept. Some adults use it to assemble unique “packages” from a variety of disciplines, either to meet specific career requirements or to acquire a broad cultural perspective. Others use it to build programs of maximum academic strength in preparation for graduate study.

Admission to Candidacy

College of Continuing Studies students who wish to earn the Bachelor of General Studies degree must apply for and be formally admitted to candidacy as a specific prerequisite for the degree. Students apply by securing, on a form provided for this purpose, the recommendation of their CCS advisor and the approval of the Dean. Note that acceptance in the Military Degree Completion (“Bootstrap”) Program automatically fulfills this requirement.

It is recommended that the part-time student apply for acceptance as a degree candidate approximately two years before his anticipated graduation date. In any case, however, application should be made before the student complete 101 credits, since at least 24 semester hours of credit toward the Bachelor of General Studies degree must be earned as an accepted BGS degree candidate.

As part of the Application for Degree Candidacy procedure, the CCS advisor makes up a detailed statement of all requirements which the student must complete in order to qualify for the Bachelor of General Studies degree. Also, a tentative date for completion of the degree is worked out, leaving a margin for unanticipated delays. The resulting Statement of Remaining Requirements is of significant value
to the student since, having the nature of a contract, it protects him against subsequent changes in degree requirements provided he completes his degree on or before the agreed-upon date.

To apply, schedule an appointment with the Director of Adult Academic Programs. Be sure to specify your purpose, so that your appointment will be scheduled for the full hour normally required to make a complete academic inventory and to develop the statement of remaining degree requirements, both of which are provided as an integral part of the acceptance procedure.

Specific eligibility requirements are:

1. Functional adult status. (Advisors, in making this determination, will look for sustained experience as a contributing member of society in a full-time job, including military service or as a homemaker. Normally, a minimum period of two consecutive calendar years when not a full-time student will be required.)

2. A minimum of 58 credits applicable to the Bachelor of General Studies degree.

3. A 2.0 cumulative grade point index ("C" average).

4. As an alternative to the 2.0 cumulative average requirement, the student must have qualified for academic amnesty as a "returning adult" under the College of Continuing Studies "second chance" policy.

This application for degree candidacy should not be confused with the Application for Degree procedure. All degree candidates must file an Application for Degree form with the University Registrar shortly after the start of their final enrollment period. See the current Official Calendar for the last date on which degree applications will be accepted in any given term.

Teacher Preparation

Because the Bachelor of General Studies is a non-traditional degree, BGS candidates are not eligible for admission to the professional education sequence of courses in the UNO College of Education which leads to teacher certification. Consequently, students who are interested in a teaching career at the elementary or secondary school level should discuss their plans with their CCS advisor at an early stage in their program.

General Requirements — BGS Degree

The Bachelor of General Studies degree requires the successful completion of 125 semester hours of credit. A minimum of 24 of the last 60 semester hours must be graded academic credits earned in residence in the College of Continuing Studies as an accepted candidate for the BGS degree. At least 30 credits must be earned in upper division courses (junior-senior level, which are numbered 300 or higher on this campus). At least nine credits must be earned at the University of Nebraska at Omaha in upper division courses in the candidate’s primary area of concentration. An average grade of "C" (2.0 grade point average) or above must be earned in all courses taken at the University of Nebraska at Omaha.
Course Content Requirements — BGS Degree

1. Core Requirements
   a. English Composition (as determined by placement test) .......................................... 6
   b. Social Sciences ........................................................................................................... 12
      (Economics, Geography, History, Political Science, Psychology, and Sociology)
   c. Natural Sciences and Mathematics ...................................................................... 9
      (Biology, Chemistry, Physical Geography, Geology, Mathematics, Meteorology, and Physics)
   d. Humanities ................................................................................................................ 12
      (Art, English Literature, Foreign Languages, Journalism, Music, Philosophy, Religion, and Speech)

2. Area of Concentration ...................................................................................................... 30
   a. Primary Concentration: 21 (minimum) to 30
   b. Allied Field (optional): 0 to 9 (maximum)

3. First Minor .................................................................................................................... 12
4. Second Minor .................................................................................................................. 12
5. Free Electives .................................................................................................................. 32
   Total .................................................................................................................................. 125

Commentary

The following explanatory notes are key to the Bachelor of General Studies degree course requirements in the tabulation above by the corresponding outline designations.

1a. The English Composition requirement is satisfied by English 111 and 112 at this University or by a full year of Freshman English from another school. The CLEP Subject Examination (CLEP/SE) in English Composition (including the essay portion) may be used instead of academic credit to fulfill this requirement (see the “Credit By Examination” section above).

   Students with no previous background in college English who plan to take English Composition in the evening must register in English 111. A placement test, given at the first class meeting, determines whether the student will stay in 111, or go on to 112 or beyond.

   Any CCS student planning to take English Composition in the daytime must take the English placement test in advance of registration. This test is included in the group-administered tests taken by entering students applying for full-time study. Those who have not taken the test under these circumstances must arrange to take it on an individual basis. To do so, simply go to the UNO Testing Center, 213 Administration Building. Allow approximately an hour and a half for this service, for which there is no charge.

   Students who test out of English 111 and into 112 or beyond should take the CLEP Subject Examination in English Composition (including the optional essay portion) immediately. An acceptable score on the CLEP SE will earn degree credit for the English Composition course(s) bypassed (English 111, 112). However, eligibility for credit by examination in bypassed courses lapses after one month of enrollment in the advanced course (English 112 or higher.)

1b. Not more than six credits from a single department (for example, History) may be applied toward the Social Sciences requirement. The CLEP/GE Social Sciences test may be used for six credits toward this requirement.

1c. Certain Geography courses, specified in that Department’s listing in the College of Arts and Sciences section of this catalog, may also be counted toward the Natural Sciences and Mathematics requirement, as may Engineering 103 and 104, Engineering Systems I and II: Engineering 105, Slide Rule Computing Methods; all Meteorology courses (Engineering 336, 436, 437, and 438); and all Computer Sciences courses. For the purpose of satisfying this requirement, either of the two five-credit science survey courses given at this University (Biology 102 and Physics 101) may be submitted in lieu of six hours of departmental courses, and in combination with a three-credit course will fulfill the requirement. The CLEP/GE
Natural Science and Mathematics tests may be used for a maximum of six credits toward this requirement. Students eligible for credit for both parts may count excess credits in Mathematics as electives.

1d. Not more than six credits from a single department may be applied toward the Humanities requirement. The five-credit Introduction to the Humanities courses given at UNO may each be substituted for six hours of departmental courses (12 for both) toward satisfying the Humanities requirement, even though each counts only as 5 hours toward the minimum degree total. The CLEP/GE Humanities test may be used for six credits toward this requirement, as may the three semester hours of Speech which are granted for one year of active duty service as a commissioned officer in the U.S. Armed Forces. Note that CCS follows the definition of Humanities courses appearing in the College of Arts and Sciences section of this catalog, whereby certain Art, English, Journalism, and Speech courses are excluded. Also note, however, that for the BGS degree there is no restriction on the level of Foreign Language courses which may be counted as Humanities, since there is no separate Foreign Language requirement.

2. The term “Area of Concentration” is used in recognition of the fact that adults, as the best judges of their own personal and vocational needs, are left free (in most instances) to select for themselves the courses which will comprise the main thrust of the BGS degree program. By contrast, the traditional term “major” is reserved for the “professionally packaged” BA and BS programs put together by the faculty in a given department or college as the optimum “general purpose” preparation for young people.

2a. and 2b. All BGS candidates must select some discipline as an Area of Concentration. In recognition of the fact that work in a closely related subject sometimes may be at least equally as valuable as further specialization in the original subject, “Allied Fields” have been authorized for some Concentrations. For example, Economics is acceptable as an Allied Field when Business is the “Primary Concentration,” and up to nine hours of Economics credits may be counted toward the thirty hour total.

There is no requirement that a student must use the Allied Field option. For some Concentrations (for example, Chemistry) no Allied Field is even authorized. Where Allied Fields are authorized, this simply increases the student's options in the interest of enabling him to put together the strongest possible program. A list of available Areas of Concentration and authorized Allied Fields follows this section. (Note that Education is not available as an Area of Concentration.)

3 and 4. The two 12-credit Minor Subject Fields required in the BGS degree provide for additional breadth in the candidate's program. Each Minor must be "pure." That is, all twelve credits must be from the same academic department (e.g., Psychology) or the same professional curriculum (e.g., Forestry). The 12 credits given for six months of active duty military service may be used to fulfill one Minor. The discipline chosen for the Primary Concentration cannot be used as a Minor. An Allied Field discipline, however, may also be elected as a Minor.

5. If the total credit value of courses used to satisfy any of the previous requirements happens to exceed the minimum specification (does not come out to an even 12 in Humanities, for example, any excess is considered elective credit, regardless of where the credit appears on the student’s Worksheet.
Available Programs — BGS Degree

<table>
<thead>
<tr>
<th>Primary Area of Concentration</th>
<th>Authorized Allied Fields (Optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Business</td>
</tr>
<tr>
<td>Art</td>
<td>None</td>
</tr>
<tr>
<td>Biology</td>
<td>None</td>
</tr>
<tr>
<td>Business (General)</td>
<td>Economics</td>
</tr>
<tr>
<td>Chemistry</td>
<td>None</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>Business, Political Science, Psychology, Sociology</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Economics</td>
<td>Business, Geography, History, Political Science, Sociology</td>
</tr>
<tr>
<td>Engineering Science</td>
<td>None</td>
</tr>
<tr>
<td>English</td>
<td>Speech</td>
</tr>
<tr>
<td>French</td>
<td>None</td>
</tr>
<tr>
<td>General Science</td>
<td>None</td>
</tr>
<tr>
<td>Geography</td>
<td>Economics, History, Political Science</td>
</tr>
<tr>
<td>German</td>
<td>None</td>
</tr>
<tr>
<td>History</td>
<td>Economics, Geography, Political Science, Sociology</td>
</tr>
<tr>
<td>Home Economics</td>
<td>None</td>
</tr>
<tr>
<td>Journalism</td>
<td>English</td>
</tr>
<tr>
<td>Library Science</td>
<td>English</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Computer Science</td>
</tr>
<tr>
<td>Music</td>
<td>None</td>
</tr>
<tr>
<td>Philosophy</td>
<td>Religion</td>
</tr>
<tr>
<td>Physical Education</td>
<td>None</td>
</tr>
<tr>
<td>Physics</td>
<td>None</td>
</tr>
<tr>
<td>Political Science</td>
<td>Economics, Geography, History, Sociology</td>
</tr>
<tr>
<td>Psychology</td>
<td>None</td>
</tr>
<tr>
<td>Real Estate &amp; Land Use Economics</td>
<td>Business, Economics, Geography, History, Political Science, Sociology</td>
</tr>
<tr>
<td>Recreation Leadership</td>
<td>None</td>
</tr>
<tr>
<td>Religion</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Social Welfare</td>
<td>Black Studies, Criminal Justice, Economics, Gerontology, Political Science, Psychology, Public Administration, Sociology, Urban Studies</td>
</tr>
<tr>
<td>Sociology</td>
<td>Economics, History, Psychology, Religion</td>
</tr>
<tr>
<td>Spanish</td>
<td>None</td>
</tr>
<tr>
<td>Speech</td>
<td>None</td>
</tr>
<tr>
<td>Urban Studies</td>
<td>None</td>
</tr>
</tbody>
</table>

Course Selection in Area of Concentration

In many Areas, the choosing of courses is a do-it-yourself project. This provision was deliberately designed into the BGS degree to enable the adult who is already established in a career field to tailor his program to maximum advantage according to his individual circumstances.

While freedom of choice is stressed, this by no means implies an absence of guidelines. The student must necessarily take those entering-level courses that are prerequisite to further study in a given discipline. Also, depending on how an individual plans to use his degree, a number of courses in his Area of Concentration may be crucial to his program, even though not specified as mandatory by this College.

While not required to do so, many BGS candidates nevertheless benefit from checking the catalog statement defining course requirements for BA or BS majors in their same field. Specifications of entrance requirements for graduate programs are another fruitful source of guidance for Area of Concentration course content. The list of undergraduate courses required for acceptance into the Master of Business Administration degree program at the University of Nebraska at Omaha (published in the UNO Graduate College Bulletin) is an excellent example.

Course Requirements for Specific Concentrations

The general pattern in the Bachelor of General Studies degree program is that the College does not specify the content of the Area of Concentration. However, there are certain exceptions. That is, in some Concentrations specific courses must be included and other requirements met. These requirements for all of the Areas of
Concentration so affected are spelled out in the following paragraphs. On the other hand, if a particular Concentration is not mentioned in this section, it may be assumed that students using that discipline are free to choose the content of their Area of Concentration according to their own needs and interests.

In the technically sensitive areas of Biology, Chemistry, Engineering, Physics, and General Science, where a sequence of specific courses is required for adequate performance in the field, the Area of Concentration for BGS candidates is fully prescribed. BGS candidates concentrating in these areas can obtain brochures listing the course requirements from their CCS advisor.

Students concentrating in Business must include a full year of Principles of Economics and at least one semester of Accounting. Both semesters of Economics are prerequisite for all upper division Business courses. While only one semester of Accounting is required of BGS candidates with Business concentrations, two semesters are strongly recommended since two are required for graduate program entry.

For a concentration in Mathematics, BGS candidates must earn 18 hours in Mathematics courses beyond Calculus. Up to nine hours of upper division Computer Science courses may be counted toward this 18-hour minimum.

While no narrowly-prescribed package of courses has been established for the Recreation Leadership concentration, students with this objective are expected to structure their programs under the close supervision of Prof. Gorr. Similarly, Urban Studies students are to work closely with Mr. West in meeting the detailed specifications of this program.

The Social Welfare concentration requires candidates to take the following Social Welfare courses: 345, 346, 443, 444, 446, and 447. The balance of credits in the primary Area of Concentration will come from Social Work 494 or 495, either of which can be taken more than once. While no restriction is placed on the definition of the two minor fields, it is to the student’s advantage to select minors from the list of allied fields authorized for Social Welfare.

Associate in General Studies Degree

For the adult who is pursuing his academic career on a part-time basis, the baccalaureate degree may well seem distant. The associate degree is designed to:

1. help the student keep a positive goal not only in sight, but within reasonable grasp. It is a “half-way house,” one might say.

2. assist in planning a program of study as contrasted with indiscriminate gleaning of the academic fields.

For those for whom circumstances will not permit the accomplishment of a baccalaureate degree, the associate degree is tangible evidence that the specific requirements of a formal program have been met.

General Requirements — AGS Degree

The Associate in General Studies degree requires the successful completion of 64 semester hours of credit. A minimum of 18 of the last 21 semester hours must be graded academic credit earned in residence at the University of Nebraska at Omaha as a matriculant in the College of Continuing Studies. An average grade of “C” (2.0 grade point average) or above must be earned in all courses taken at the University of Nebraska at Omaha.
Eight semester hours of credit in military science and 12 additional hours of military or other non-academic credits (for a total of 20) may be accepted in meeting the total credit requirements for an associate degree. Note that this means that candidates must present a minimum of 44 academic credits.

Course Content Requirements — AGS Degree

1. Core Requirements
   a. English Composition (as determined by placement test) ........................................ 6
   b. Social Sciences .................................................. 6
      (Economics, Geography, History, Political Science, Psychology, and Sociology)
   c. Natural Sciences and Mathematics ........................................ 4
      (Biology, Chemistry, Physical Geography, Geology, Mathematics, Meteorology, and Physics)
   d. Humanities .......................................................... 6
      (Art, English Literature, Foreign Languages, Journalism, Music, Philosophy, Religion, and Speech)

2. Area of Concentration (departmental) .......................................... 12
   The student will select an Area of Concentration consisting of 12 semester hours in one discipline.

3. Free Electives ......................................................... 30

Total .............................................................. 64

See the “Commentary” section for the Bachelor of General Studies Degree, on the immediately preceding pages, for detailed information about how the Core Requirements for the AGS degree also may be satisfied.

II COMMUNITY SERVICES DIVISION
MR. MOORE, Assistant Dean and Director
DR. DENNEHY, Director, Continuing Engineering Studies
MR. BERCAW, Director, Conferences and Workshops
MR. SIBBERNSEN, Program Coordinator

Providing an unlimited variety of college-level learning experiences for the general public or specific groups, this Division offers no formal college credit work. Some programs do, however, lead to certificates of completion for a prescribed sequence. Drawing upon the resources of the University and community for programming and staffing, the activities of the Division are carried out largely in the specially designed Gene Eppley Conference Center. With special arrangement, programs may be scheduled in off-campus facilities.

Areas of activity developed and encouraged by this Division include:

A. Community Service Courses: These are announced at regular intervals and cover any subject area for which a need and adequate public response is anticipated. These courses meet daytimes or evenings and once weekly, as a general rule. Most courses extend a period of eight weeks, while a few are designed for a full semester or for the full academic year. Inquiries and suggestions are welcomed.

B. Conferences, Workshops, and Contract Programs: These are concerned with training, professional growth, and the educational needs of every segment of the social-economic structure of the community. Here, too, the Division works in close cooperation with all elements of the University and the community in providing specially constructed programs for specific groups, as well as for the general public.
We invite interested groups to discuss with us their educational problems and needs. Such inquiries should be directed to: Division of Community Services, phone 554-2391.

C. Continuing Engineering Studies: In cooperation with the College of Engineering and Architecture, a new emphasis is being given to the continuous need for the updating of knowledge in this professional and technological field. A wide range of short courses, workshops, and other specially designed programs are available.

D. Certification Programs: Certification programs are offered in the fields of Insurance and Real Estate for the purpose of increasing the professional stature of the persons working in these areas.

CERTIFICATION PROGRAMS

Insurance Certification
DR. KOUATLY, Director

The program of insurance offerings, also in cooperation with the College of Business Administration, includes the courses of the Insurance Institute of America, the Chartered Life Underwriters and the Chartered Property Casualty Underwriters. The C.L.U. and C.P.C.U. courses lead to the professional designations awarded by the American College of Life Underwriters and by the American Institute for Property and Liability Underwriters.

The C.L.U. Diploma program consists of ten semesters of work covering the following courses:
1. Individual Life & Health Insurance*
2. Life Insurance Law & Company Operations*
3. Group Insurance & Social Insurance*
4. Pension Planning*
5. Income, Estate & Gift Taxation
6. Investments & Family Financial Management
7. Accounting & Finance
8. Economics
9. Business Insurance*
10. Estate Planning*

(*The above courses may be taken for credit toward a degree in Business Administration).

The C.P.C.U. Diploma program consists of five two-semester courses:
I. Insurance Principles & Practices
II. Analysis of Insurance Functions*
III. Economics, Government & Business
IV. Insurance & Business Law
V. Management, Accounting & Finance

(*A specialization in loss and claim adjusting, risk management, or underwriting is selected in this course).

In addition to the professional C.L.U. and C.P.C.U. designations, the following certificate programs are available:
C.L.U. Certificate Programs in:  
Agency Management  
Company Management  
Estate Planning  

I.I.A. Certificate Programs in:  
General Insurance  
Insurance Adjusting  

GROUP INSURANCE  
Health Insurance  
Pension Planning  
Personal Investment  

REAL ESTATE CERTIFICATION  
DR. SIROTA, Director  

The University has available for all interested persons a 15 credit-hour certificate program in Real Estate. Offered under the direction of the College of Business Administration, Division of Real Estate and Land Use Economics, this program includes a minimum curriculum requirement of 5 courses in Real Estate topics. The student is expected to pass Principles and Practices as a prerequisite for continuing into Real Estate Law, Finance, and Appraising, and one additional course from a list of real estate electives.

The Real Estate Certificate translates into 200 classroom hours of instruction, which meets the educational requirement qualifying any recipient writing for his Salesman or Broker’s license in any of the states. The new Nebraska Real Estate Licensing Law specifically recognizes the UNO Real Estate Certificate in lieu of two years as a salesman apprentice to write for the Broker’s license.

Besides developing a comprehensive theoretical and practical background for realty salesmen and brokers, the certificate program prepares students for participation in fields of appraising, property management, real estate finance, investment analysis, landlord-tenant relationships, insurance, corporative portfolio management, planning and zoning, housing needs, shopping center management, and many other related fields.

The Real Estate information presented in this program will be invaluable to the individual whether or not one participates actively in the profession.

**Required Courses**

- Real Estate Principles and Practices (Real Estate 344)
- Real Estate Law (Real Estate 346)
- Real Estate Finance (Real Estate 440)
- Theory of Real Estate Appraisal (Real Estate 441)

**Elective Courses: Choose one**

- Building Industry and Real Estate (Real Estate 244)
- Real Estate Salesmanship and Brokerage (Real Estate 343)
- Real Estate Management (Real Estate 345)
- Metropolis Value Conflicts and Housing Problems (Real Estate 347)
- City Planning (Real Estate 348)
- Real Estate Investments (Real Estate 349)
- Appraisal of Investment Real Estate (Real Estate 442)
- Real Estate Environmental Problems (Real Estate 443)
- Creating a Real Estate Community (Real Estate 444)
## THE GENERAL MILITARY COURSE (GMC)

The GMC curriculum is designed to give cadets an understanding of the role of air power in the aerospace age. GMC is voluntary and open to physically and mentally qualified freshmen and sophomores. Textbooks and uniforms are furnished at government expense. GMC cadets are not in the military service and assume no military obligation.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*AS 111</td>
<td>Basic Organization and Operation of the USAF</td>
<td>(I) 2</td>
</tr>
<tr>
<td>AS 112</td>
<td>Corps Training</td>
<td>(II) 1</td>
</tr>
<tr>
<td>AS 211</td>
<td>Corps Training</td>
<td>(I) 1</td>
</tr>
<tr>
<td>*AS 212</td>
<td>Case Studies in the Use of Air Power</td>
<td>(II) 2</td>
</tr>
</tbody>
</table>

## THE PROFESSIONAL OFFICER COURSE (POC)

The POC program includes a well-rounded educational and leadership training curriculum that prepares cadets to serve as officers in the USAF. POC cadets are selected from basic cadets or Field Training (FT) course graduates who desire to enter the program and who meet rigid academic and physical requirements. POC cadets enlist in the Air Force Reserve and receive $2,000 for their two-year participation. Male cadets who qualify for pilot training receive, at government expense, 36 hours of flight instruction at a civilian facility during their senior year.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>*AS 301</td>
<td>National Security Forces in Contemporary American Society I</td>
<td>(I) 3</td>
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<td></td>
<td>Prereq: Permission of PAS.</td>
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<tr>
<td>*AS 302</td>
<td>National Security Forces in Contemporary American Society II</td>
<td>(II) 3</td>
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<td>Prereq: Permission of PAS.</td>
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<tr>
<td>*AS 401</td>
<td>Air Force Leadership and Management I</td>
<td>(I) 3</td>
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<td>Prereq: Permission of PAS.</td>
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<tr>
<td>*AS 402</td>
<td>Air Force Leadership and Management II</td>
<td>(II) 3</td>
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<td>Prereq: Permission of PAS.</td>
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<tr>
<td>AS 403</td>
<td>Flight Instruction Program (FIP)</td>
<td>(I) 1</td>
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<td>Prereq: POC standing and permission of PAS.</td>
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<tr>
<td>AS 404</td>
<td>Private Pilot Ground School</td>
<td>(II) 1</td>
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<tr>
<td></td>
<td>Open to all UNO students.</td>
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</tbody>
</table>

*Plus Cadet Corps Training: Arranged.
1. Admission to the College —
   A. *Students who have been admitted to the University* may enter the College of Education upon indication of an interest in the programs offered in the College.
   B. *Students who wish to transfer to the College of Education* from one of the other Colleges within the University may do so after an interview with appropriate personnel in the Dean's office.

2. Admission to and continuation in the professional education sequence. All students seeking recommendations for certification and/or endorsement(s) by the College of Education must be approved by the Professional Education Committee as follows:
   A. *For admission to the Educational Foundations courses*, the student must have successfully completed 12 or more hours with a minimum grade average of 2.25. The student must maintain this grade point average in order to remain in the program.
   B. *For permission to enroll in a program of professional specialization* (such as elementary education, secondary education, special education), the student must have satisfactorily completed at least two courses in the Educational Foundations Department; obtained the recommendation of his education advisor, completed personality inventory, passed proficiency tests in speech, hearing, English, mathematics, and library usage; had physical examination certifying student is not suffering from a communicable disease; have recommendation of an education faculty member who has had the student in class; and met any additional requirements determined by the Department(s). Evidence that these have been completed will be determined by the appropriate signatures on the Professional Education screening card.*
   C. *For recommendation for certification and/or endorsement(s)*, the student's request to the Committee must be supported by the recommendations of the appropriate Department Heads, advisors, and the chairman of the Professional Education Committee.
   D. *Students with severe physical disabilities* must have an interview with the Professional Education Committee and receive approval for admission to the Professional Education Sequence.

3. Eligibility for student teaching or practicum. Rules for eligibility are determined by the Department(s) involved.

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*Professional Education Screening Card must be turned in to the Dean's office before the completion of the sophomore year. Transfer students who have completed foundation's courses must complete the card before the end of the semester in which they are admitted.*
DEGREE REQUIREMENTS
Bachelor of Science in Education
Programs for Certification

1. General Requirements — Each candidate must meet the general requirements of the College and of the Department.

   Degree requirements — For the degree of Bachelor of Science in Education a minimum of 125 credit hours is required.

   Residence — Thirty of the last 36 hours required for the degree must be registered for and carried in residence at the University.

2. General Education — The required general education includes the following areas: English, humanities, natural sciences and mathematics, social sciences and physical education.

   A total of 36 hours in general education is required, plus English requirement.

   (a) English: 6 hours.

   Students must earn credit in English 111 and 112 or equivalent; or, if performance on the English proficiency examination warrants, English 112 is required. Students who test out of both English 111 and 112 are considered as having met their English requirement.

   (b) Humanities: 3 hours minimum.

   Music, Art, English (except 090, 105, 109, 111, 112, 205), foreign language, philosophy, religion, speech and journalism.

   (c) Natural Sciences and Mathematics: 3 hours minimum.

   Biology, chemistry, geography 106, 107, 117, 118, 203, 396, & 432, mathematics, and physics.

   (d) Social Sciences: 3 hours minimum.

   Economics, geography, (except Geography 106, 107, 117, 118, 203, 396, & 432), history, political science, psychology, sociology.

   (e) Physical Education: 1 hour activity course minimum — 6 hours maximum.

   Note: Students in secondary education may apply a maximum of 9 hours in each of the first and the second teaching fields toward general education requirements. Those seeking K-12 or single field certification may apply 18 hours from their teaching field toward general education requirements.

3. Professional Education — The required courses in professional education include the basic courses required of all candidates and the courses required according to the specialization of the candidate.

   (a) Basic courses — Each candidate seeking certification must present credit in the basic courses, FED 205 and 208 (FED 207 and Psych 351 may be substituted for FED 205*). These courses must be taken prior to the courses listed in item b below.

   (b) Major fields in Education — The candidate must complete a major as indicated below:

   (1) Elementary Major — The candidate must complete a major as indicated below: EED 209, 330, 420, 430, 431, 432, 433, 434, 435, and 436 or 437.

   * If Psychology 351 and Education 205 are taken ½ of the credits for 205 will be considered duplication (i.e.) 6 hours credit for 9 hours of course work.
(2) **Secondary Major** — SED 351 or 361, 457, 458, and a special methods course is required for each teaching field. Vocational Business Education will include SED 480, 485.

(3) **Special Services Major** — Teaching fields under special services major include Art K-12, Health and Physical Education for Men K-12, Health and Physical Education for Woman K-12, Library Media K-12, Music K-12, Special Education K-12. For the K-12 programs, both E1Ed 468 and SED 351 or SED 361 must be taken and one semester of student teaching each at the elementary and secondary school levels, SED 460 and 461.

4. **Academic or Teaching Majors and Fields** — All candidates for the degree or teaching certificate must complete an **academic major. Students who wish to qualify for secondary school certification must have **two teaching fields, one of which must be an academic major.**

(a) **Academic Concentration** — Candidates in elementary education must present (1) a professional specialization approved by the Department of Elementary and Early Childhood Education and the professional department offering the specialization. Specializations may be in the areas of special education, physical education, library science, science education, early childhood education, outdoor education, reading, inner-city studies, and health education; or (2) an academic concentration in a division — Humanities, Natural Science & Mathematics, or Social Sciences — to consist of 24 semester hours above freshman level and meeting the special requirements set up by the Department of Elementary and Early Childhood Education; or (3) an academic concentration in one department approved by the Department of Elementary and Early Childhood Education and the head of the academic department concerned.

(b) **Teaching fields or subjects** include: Art, biology, business administration, chemistry, *core, economics, English, French, general science, geography, German, health education, history, industrial education, journalism, library media, mathematics, music, physical education for men, physical education for women, physics, political science, psychology, recreation education, social studies, sociology, Spanish, speech, speech pathology, teaching the hearing handicapped, teaching the deaf, teaching the educable mentally retarded, teaching the trainable mentally retarded, teaching the emotionally disturbed, vocational office education.

5. **Special requirements and limitations** — The College of Education specifies certain requirements and limitations with respect to quality of work, progress toward the degree, certain proficiencies, maximum credit allowed, correspondence and extension credit, and credit by examination.

(a) **Quality of work** — Each candidate for the degree or certification must

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* A combination of language arts and social studies.
** An academic major consists of a group of courses completed in accordance with the requirements of the faculties of the respective department concerned.
attain a grade of at least “C” in each professional education course. All recorded grades are included in the computation of the cumulative grade point average, including grades of courses enrolled for in excess of the 125 credit hours required for the degree.

Each secondary education major student must have a grade point average of 2.50 in each of his teaching fields, and no grade below “C” for the minimum number of credit hours required for his first and second teaching fields.

(b) Progress toward the degree — Students are expected to progress regularly toward the degree. Those who pursue their program intermittently are subject to the changes in requirements.

(c) Special proficiencies and competencies — Students who plan to graduate in teacher education or who seek an initial certificate must demonstrate proficiency in the use of audio-visual aids. Secondary Education students must meet this requirement by taking FED 280. Elementary education majors will acquire this proficiency in meeting the requirements for EED 432.

Students must also demonstrate competency in or proficiency in speech, hearing, English, mathematics, and library usage. Information concerning the tests may be obtained from the student’s education advisor or department chairman. Evidence that these requirements have been completed is determined by the submission of the “Professional Education Screening Card” to the Dean’s Office with the appropriate signatures for each competency or proficiency.

(d) Correspondence and extension credit — A candidate may not count toward graduation a total of more than 15 semester hours of credit taken by correspondence, television, and/or extension.

(e) The College of Education will accept credit toward a degree program those courses for which credit by examination is given (up to 30 hours) and recommended by the respective departments within the colleges of the University.

(f) Certification that students are free from communicable diseases must be obtained prior to the assignment to any laboratory experience.

(g) Up to eight semester hours as elective credit may be allowed for military service when such credit appears on the student’s transcript on entrance to the University.

(h) Elective credit will be granted for courses taken in the Department of Aerospace Studies.

SPECIAL REGULATIONS FOR STUDENT TEACHING

For elementary and early childhood education majors, student teaching requires the entire morning (M-F) for the semester. In addition, one afternoon each week is also required. The afternoon will be designated in the semester schedule.

Students must normally take 16 semester hours in student teaching with a limit of 8 hours per semester.

Students must have completed or have in progress, at least two methods courses prior to application for student teaching. Applicants cannot be considered for placement unless all application materials are completed and returned by the specified date.

At least 75 hours must be completed prior to student teaching.