

1985

Eastern Illinois University Undergraduate Catalog 1985 & 1986

Eastern Illinois University

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EASTERN ILLINOIS UNIVERSITY

Handa

general catalog 1985 & 1986



Eastern

The provisions of this catalog are not to be regarded as irrevocable contractual commitments between the University and student. The University reserves the right to change any provision or requirement contained herein at any time within the student's term of residence.

THE STUDENT'S RESPONSIBILITY

All colleges establish certain requirements which must be met before a degree is granted. These requirements concern such things as courses, majors and minors, and residence. Advisors and deans will always help students meet these requirements, but the students themselves are responsible for fulfilling them. At the end of their course the University decides whether or not the students will receive a degree. If requirements have not been met, the degree will be refused until such time as they have been met. For this reason it is important for students to acquaint themselves with the requirements and continue to keep themselves informed about them during their college careers.

Also, it is necessary in the general administration of a college to establish broad policies and to lay down certain regulations and procedures by which they may be carried out. It is important that students understand the policies and know the regulations and procedures they are expected to follow. When changes are announced between catalog publications, they are published in the Official Notices in the *Eastern News* and posted on the official bulletin board near the Office of the Dean of Student Academic Services. Students are responsible for knowing these changes.

The catalog is presented, therefore, not only to enable prospective students and others to learn about Eastern Illinois University, Charleston, but to state policies, requirements, regulations, and procedures in such form as will be of help to the students as they go through school.

THE UNIVERSITY POLICY ON NON-DISCRIMINATION

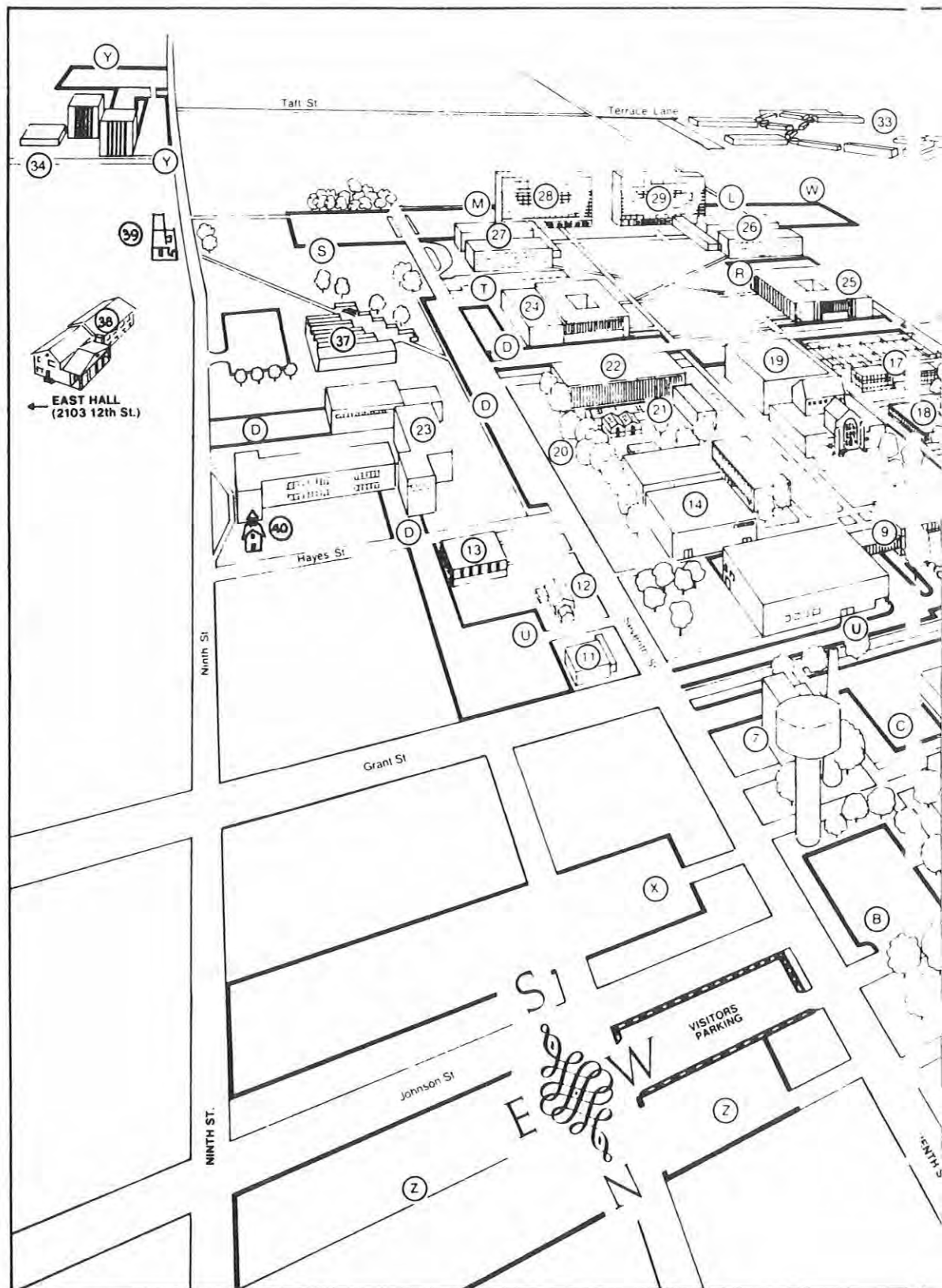
The policy of Eastern Illinois University is to comply fully with applicable federal and state non-discrimination and equal opportunity laws, orders, and regulations. Eastern Illinois University will not discriminate in its programs and activities against any person because of race, color, national origin, ancestry, religion, age, sex, handicap, or status as a disabled veteran or veteran of the Vietnam era. This non-discrimination policy applies to admissions, employment, treatment of individuals, and access to programs. Inquiries concerning this policy may be directed to the appropriate admitting or employing unit or the Affirmative Action Office.

EASTERN ILLINOIS UNIVERSITY CATALOG

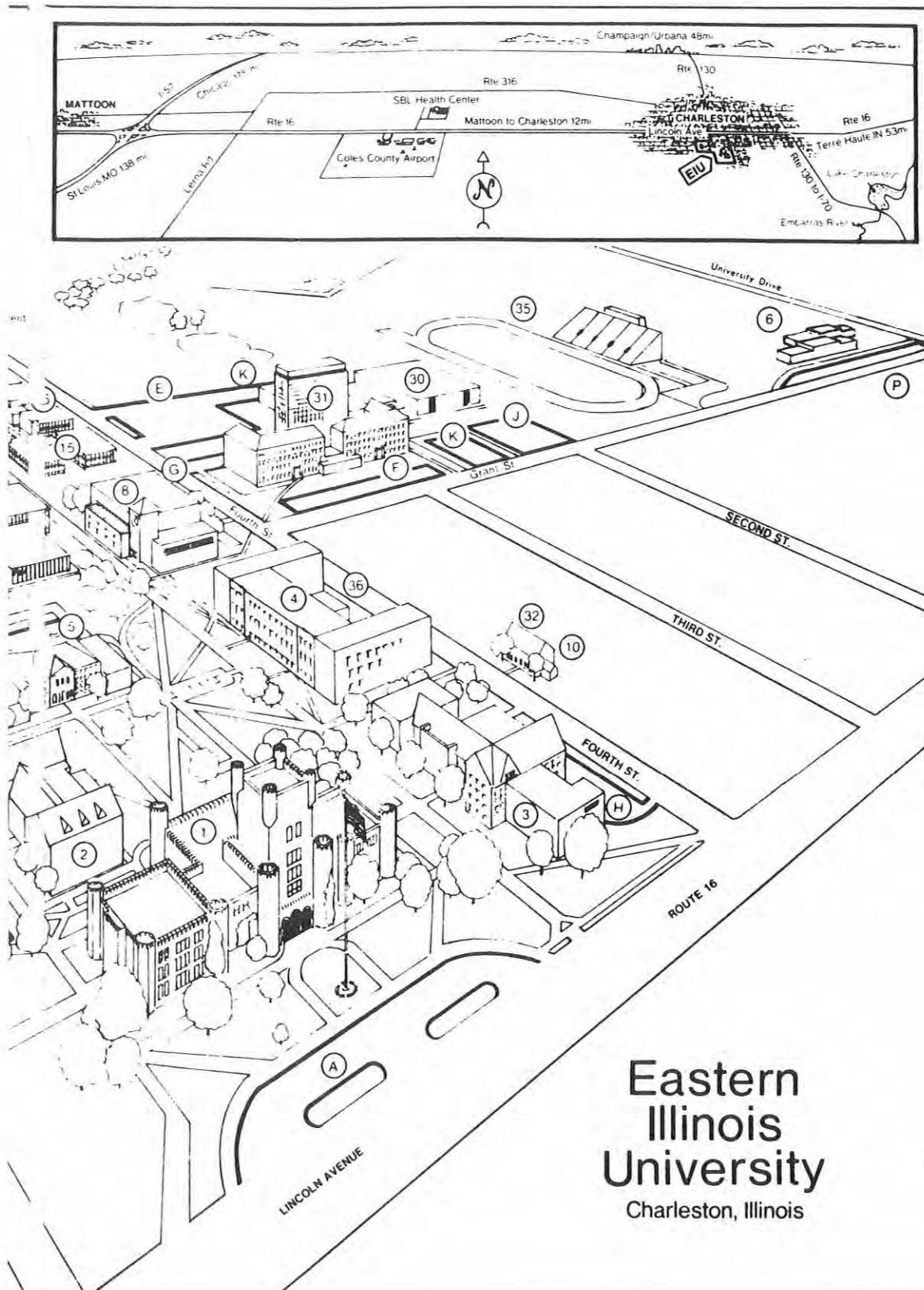
APRIL, 1985



**86th YEAR
ACADEMIC RECORD 1985-87 TERMS
ANNOUNCEMENTS
FOR
SUMMERS 1985 & 1986
AND
1985-86 TERMS**



- | | |
|--|-------------------------------------|
| 1. Old Main -- Admissions
(Livingston C. Lord
Administration Building) | 10. Booth House (Personnel Offices) |
| 2. Blair Hall | 11. Telephone and Security Building |
| 3. Pemberton Hall | 12. Buzzard House |
| 4. Science Building | 13. Clinical Services Building |
| 5. Student Services Building | 14. Doudna Fine Arts Center |
| 6. Physical Plant Services Building | 15. Ford Hall |
| 7. Power Plant | 16. McKinney Hall |
| 8. McAfee Gymnasium | 17. Weller Hall |
| 9. University Union Martin Luther King, Jr. | 18. Gregg Triad |
| | 19. Booth Library |



- 20. Life Science Vivarium
- 21. Greenhouse
- 22. Life Science Building
- 23. Buzzard Building
- 24. Applied Science Building
- 25. Coleman Hall
- 26. Taylor Hall
- 27. Thomas Hall
- 28. Andrews Hall
- 29. Lawson Hall
- 30. Lantz Health, Physical Education and Recreation Building

- 31. Lincoln-Douglas-Stevenson Halls
- 32. Non-Academic Personnel
- 33. University Apartments
- 34. Carman Hall
- 35. Stadium-Track (O'Brien Field)
- 36. Phipps Lecture Hall
- 37. Tarble Arts Center
- 38. East Hall (2103 12th St.)
- 39. Ninth Street Hall
- 40. Greenwood School

Parking areas indicated by heavy outline and letter

CONTENTS

Map of the Campus.....	2
University Calendar.....	5
Board of Governors of State Colleges and Universities.....	10
Chief Administrative Officers.....	10
I. General Information.....	11
II. Student Life, Activities and Services.....	13
III. Student Expenses and Financial Aid.....	21
IV. Admission, Readmission, Enrollment and Advisement.....	35
V. Academic Regulations and Requirements.....	39
VI. Continuing Education.....	49
VII. Undergraduate Degrees.....	51
VIII. Graduate Degree Programs.....	89
IX. Non-Degree Programs.....	91
X. Academic Organization and Course Descriptions.....	93
XI. Statistics, Summary of Enrollments and Degrees Awarded.....	155
XII. Faculty and Emeritus Faculty.....	157

This catalog includes information concerning admission, enrollment, fees, housing, course offerings, etc., as it pertains to the academic years 1985-86 and 1986-87.

NOTICE

As necessary, supplements containing important changes in this catalog will be issued. When issued, such supplements will be distributed during the first two weeks of each term.

UNIVERSITY CALENDAR

EASTERN ILLINOIS UNIVERSITY

1985-86 and 1986-87

SUMMER TERM 1985 Interession

Central Registration.....	May 3, 20
First Class Day	May 20
Begin Late Registration Fee	May 21
Last Day to Submit Add or Audit Requests	May 22
Last Day for Full Refund of Tuition and Fees	May 23
Last Day for Course Withdrawal Without Grade ..	May 23
Begin W Upon Course Withdrawal.....	May 24
Memorial Day Observance — No Classes	May 27
Last Day to Withdraw from Courses or University	Jun 11
Last Class Day	Jun 13
Final Examinations.....	Jun 13
Semester Closes	Jun 14
Last Day to Apply or Reapply for Graduation	Jun 25
Commencement.....	Aug 11

SUMMER TERM 1985 Five-Week Session

Last Day for Full Tuition and Fee Refund	Jun 14
Central Registration.....	Jun 17
Begin Late Registration Fee	Jun 18
First Class Day	Jun 18
Last Day to Submit Add or Audit Requests	Jun 20
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Jun 25
Last Day to Apply or Reapply for Graduation	Jun 25
Last Day for Course Withdrawal Without Grade ...	Jun 25
Begin W Upon Course Withdrawal.....	Jun 26
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Jul 2
Independence Day Observation	Jul 4
Last Day to Withdraw from Courses or University	Jul 15
Last Day for Grade Appeal	Jul 17
Last Class Day	Jul 23
Final Examinations.....	Jul 24
Session Closes	Jul 25
Commencement.....	Aug 11

SUMMER TERM 1985 Eight-Week Session

Last Day for Full Tuition and Fee Refund	Jun 14
Central Registration.....	Jun 17
Begin Late Registration Fee	Jun 18
First Class Day	Jun 18
Last Day to Submit Add, Credit/No Credit or Audit Requests.....	Jun 20
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Jun 25
Last Day to Apply or Reapply for Graduation	Jun 25
Last Day for Course Withdrawal Without Grade ...	Jun 25
Begin W Upon Course Withdrawal.....	Jun 26
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Jul 2
Independence Day Observation — No Classes	Jul 4
Mid-Term	Jul 16
Last Day for Grade Appeal	Jul 17
Last Day to Withdraw from Courses or University	Jul 22
Last Class Day	Aug 8
Commencement.....	Aug 11
Final Examinations.....	Aug 12, 13, 14
Session Closes	Aug 15

FALL SEMESTER 1985

Last Day for Full Tuition and Fee Refund	Aug 23
Early Graduate Registration.....	Aug 24
Central Registration.....	Aug 26, 27
Begin Late Registration Fee	Aug 28
First Class Day	Aug 28
Last Day to Submit Add or Credit/No Credit Requests	Aug 30
Labor Day Observance — No Classes	Sep 2
Last Day to Submit Audit Requests.....	Sep 3
Last Day to Apply or Reapply for Graduation	Sep 6
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Sep 11
Last Day for Course Withdrawal Without Grade ..	Sep 11
Begin W Upon Course Withdrawal.....	Sep 12
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Sep 25
Last Day for Grade Appeal	Sep 25
Mid-Term	Oct 21
Last Day for W Upon Course Withdrawal	Oct 28
Begin WP or WF Upon Course Withdrawal.....	Oct 29
Last Day to Withdraw from Courses or University	Nov 8
Thanksgiving Recess.....	Nov 27 thru Dec 1
Last Class Day	Dec 13
Commencement.....	Dec 15
Final Examinations.....	Dec 16 thru 20
Semester Closes	Dec 21

SPRING SEMESTER 1986

Last Day for Full Tuition and Fee Refund	Jan 3
Early Graduate Registration.....	Jan 4
Central Registration.....	Jan 6, 7
Begin Late Registration Fee	Jan 8
First Class Day	Jan 8
Last Day to Submit Add or Credit/No Credit Requests	Jan 10
Last Day to Submit Audit Requests.....	Jan 14
Last Day to Apply or Reapply for Graduation	Jan 17
King's Birthday Observance — No Classes.....	Jan 20
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Jan 22
Last Day for Course Withdrawal Without Grade ...	Jan 22
Begin W Upon Course Withdrawal.....	Jan 23
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Feb 5
Last Day for Grade Appeal	Feb 5
Lincoln's Birthday Observance — No Classes.....	Feb 12
Mid-Term.....	Mar 4
Last Day for W Upon Course Withdrawal	Mar 10
Begin WP or WF Upon Course Withdrawal.....	Mar 11
Last Day to Withdraw from Courses or University	Mar 21
Spring Recess	Mar 22 thru 30
Last Class Day	May 2
Final Examinations.....	May 5 thru 9
Commencement.....	May 10
Semester Closes	May 10

SUMMER TERM 1986 Interession

Central Registration.....	May 2, 19
First Class Day	May 19
Begin Late Registration Fee	May 20
Last Day to Submit Add, Credit/No Credit or Audit Requests.....	May 21
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	May 22
Last Day for Course Withdrawal Without Grade ..	May 22
Begin W Upon Course Withdrawal.....	May 23
Memorial Day Observance — No Classes	May 26
Last Day to Withdraw from Courses or University	Jun 10
Last Class Day	Jun 12
Final Examinations.....	Jun 12
Session Closes	Jun 13
Last Day to Apply or Reapply for Graduation	Jun 23
Commencement.....	Aug 10

SUMMER TERM 1986 Five-Week Session

Last Day for Full Tuition and Fee Refund	Jun 13
Central Registration.....	Jun 16
Begin Late Registration Fee	Jun 17
First Class Day	Jun 17
Last Day to Submit Add, Credit/No Credit or Audit Requests.....	Jun 19
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Jun 23
Last Day to Apply or Reapply for Graduation	Jun 23
Last Day for Course Withdrawal Without Grade ...	Jun 23
Begin W Upon Course Withdrawal.....	Jun 24
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Jun 30
Independence Day Observance — No Classes	Jul 4
Last Day to Withdraw from Courses or University	Jul 14
Last Day for Grade Appeal	Jul 14
Last Class Day	Jul 22
Final Examinations.....	Jul 23
Session Closes	Jul 24
Commencement.....	Aug 10

SUMMER TERM 1986 Eight-Week Session

Last Day for Full Tuition and Fee Refund	Jun 13
Central Registration.....	Jun 16
Begin Late Registration Fee	Jun 17
First Class Day	Jun 17
Last Day to Submit Add, Credit/No Credit or Audit Requests.....	Jun 19
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Jun 23
Last Day to Apply or Reapply for Graduation	Jun 23
Last Day for Course Withdrawal Without Grade ...	Jun 23
Begin W Upon Course Withdrawal.....	Jun 24
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Jun 30
Independence Day Observance — No Classes	Jul 4
Mid-Term	Jul 14
Last Day for Grade Appeal	Jul 14
Last Day to Withdraw from Courses or University	Jul 21
Last Class Day	Aug 7
Commencement.....	Aug 10
Final Examinations.....	Aug 11, 12, 13
Session Closes	Aug 14

FALL SEMESTER 1986

Last Day for Full Tuition and Fee Refund	Aug 22
Early Graduate Registration.....	Aug 23
Central Registration.....	Aug 25, 26
First Class Day	Aug 27
Labor Day Observance — No Classes	Sep 1
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Sep 10
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Sep 24
Mid-Term.....	Oct 17
Last Day to Withdraw from Courses or University	Nov 7
Thanksgiving Recess.....	Nov 26 thru 30
Last Class Day	Dec 12
Commencement.....	Dec 14
Final Examinations.....	Dec 15 thru 19
Semester Closes	Dec 20

SPRING SEMESTER 1987

Last Day for Full Tuition and Fee Refund	Jan 2
Early Graduate Registration.....	Jan 3
Central Registration.....	Jan 5, 6
First Class Day	Jan 7
King's Birthday Observance — No Classes.....	Jan 19
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Jan 21
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Feb 4
Lincoln's Birthday Observance — No Classes.....	Feb 12
Mid-Term.....	Mar 3
Last Day to Withdraw from Courses or University	Mar 20
Spring Recess	Mar 21 thru 29
Last Class Day	May 1
Final Examinations.....	May 4 thru 8
Commencement.....	May 9
Semester Closes	May 9

Tentative Calendar

SUMMER TERM 1987

Intersession

Central Registration.....	May 1, 18
First Class Day	May 18
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	May 21
Memorial Day Observance — No Classes	May 25
Last Day to Withdraw from Courses or University	Jun 9
Last Class Day	Jun 11
Final Examinations.....	Jun 11
Session Closes	Jun 12
Commencement.....	Aug 9

*Check semester/term class schedule for detailed calendar.

Eight-Week Session

Last Day for Full Tuition and Fee Refund	Jun 12
Central Registration.....	Jun 15
First Class Day	Jun 16
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Jun 22
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Jun 29
Independence Day Observance — No Classes.....	Jul 3
Mid-Term.....	Jul 13
Last Day to Withdraw from Courses or University	Jul 20
Last Class Day	Aug 6
Commencement.....	Aug 9
Final Examinations.....	Aug 10 thru 12
Session Closes	Aug 13

Five-Week Session

Last Day for Full Tuition and Fee Refund	Jun 12
Central Registration.....	Jun 15
First Class Day	Jun 16
Last Day for Full Refund of Tuition and Fees (Except Insurance).....	Jun 22
Last Day for 50% Refund of Tuition and Fees (Except Insurance).....	Jun 29
Independence Day Observance — No Classes.....	Jul 3
Last Day to Withdraw from Courses or University	Jul 13
Last Class Day	Jul 21
Final Examinations.....	Jul 22
Session Closes	Jul 23
Commencement.....	Aug 9

THE BOARD OF GOVERNORS OF STATE COLLEGES AND UNIVERSITIES

APPOINTED MEMBERS

James L. Althoff, McHenry	1979-1985
Dominick J. Bufalino, Norwood Park	1983-1989
Lowell B. Fisher, Fairview	1981-1987
Nancy Froelich, Gridley	1983-1989
William E. Hoffee, Fairfield	1983-1989
Evelyn Kaufman, LaSalle	1981-1987
Wilma Sutton, Chicago	1981-1985
D. Ray Wilson, Elgin	1981-1985
Robert J. Ruiz, Chicago	1983-1987

OFFICERS

Evelyn Kaufman, Chairman
Nancy Froelich, Vice Chairman

STUDENT MEMBERS

Ms. Anitra J. Ward, Chicago State University
Mr. Aaron T. Shepley, Eastern Illinois University
Mr. Michael Blackburn, Governors State University
Ms. Wendy Fostiak, Northeastern Illinois University
Mr. Gary Schwegen, Western Illinois University

EASTERN ILLINOIS UNIVERSITY

CHARLESTON

CHIEF ADMINISTRATIVE OFFICERS

(Date of joining staff in parentheses)

PRESIDENT

Stanley G. Rives, Ph.D., Northwestern University. (1981)
Norma Winkleblack, B.A., Administrative Assistant to the President. (1980)

PROVOST and

VICE PRESIDENT FOR ACADEMIC AFFAIRS

Edgar B. Schick, Ph.D., Rutgers University. (1984)
Margaret A. Soderberg, Ph.D., Washington University,
Associate Vice President for Academic Affairs. (1962)
Charles Switzer, Ph.D., Michigan State University,
Assistant Vice President and Director, Summer School.
(1966)
Elizabeth Schaeffer, B.A., University of Illinois, Planning
Coordinator. (1981)

VICE PRESIDENT FOR STUDENT AFFAIRS

Glenn D. Williams, Ph.D., The Ohio State University.
(1960)

VICE PRESIDENT FOR ADMINISTRATION AND FINANCE

Marion L. Zane, M.S.Ed., Eastern Illinois University,
Acting Vice President. (1965)
Verna L. Armstrong, Ph.D., University of Cincinnati.
(March 1, 1985)



I. GENERAL INFORMATION

PURPOSE

Since the time of its founding Eastern Illinois University has developed a comprehensive and stimulating curriculum which offers an education in the liberal arts and sciences and in professional areas. The primary aim of the University's program is to provide excellent instruction and an educational environment which will produce broadly educated, responsible citizens who are prepared to serve and to lead in a free society.

ACCREDITATION

The University has been accredited by the North Central Association of Colleges and Secondary Schools since 1915. It is also accredited by the National Council for Accreditation of Teacher Education for the preparation of elementary and secondary teachers and school service personnel. It is a member of the American Association of Colleges for Teacher Education. The B.S. degree in chemistry is accredited by the American Chemical Society. The B.S. degree in home economics is accredited by the American Home Economics Association. The B.S. degree in industrial technology is accredited by the National Association of Industrial Technology. The B.A. degree in journalism is accredited by the Council on Education in Journalism and Mass Communication. The programs in music are accredited for the B.Mus. and M.A. by the National Association of Schools of Music. The B.S. degree in physical education with athletic trainership is accredited by the National Athletic Trainers Association. The B.S. degree in Recreation Administration is accredited by the National Recreation and Parks Association. Eastern's Counseling Service is accredited by the International Association of Counseling Services.

LOCATION

Charleston, county seat of Coles County, is located in east-central Illinois on highways 130 and 16. Highway 16 (four lanes) connects Charleston with Mattoon. Airlines furnish flights daily to and from Chicago from Coles County Airport. The city has a population of 19,500.

HISTORY

The General Assembly of Illinois, by an act approved May 22, 1895, established at Charleston, Illinois, the Eastern Illinois State Normal School. In response to its changing role in higher education, the institution became Eastern Illinois State Teachers College (1921), Eastern Illinois State College (1947), and Eastern Illinois University (1957).

In 1907 the General Assembly granted to the institution the power of conferring degrees. The first master's degrees were awarded in 1952, and the first Specialist in Education Degree was awarded in 1966.

THE CAMPUS

The grounds of the University cover an area of over 316 acres of landscaped, generally level land. In addition to the campus proper, the University also includes wooded tracts near Charleston, which are used for nature study and life science research.

The chief buildings on the campus and the units included in them are as follows:

Applied Sciences: Home Economics and Technology.

Buzzard House: Counseling.

Charles H. Coleman Hall: Economics, English, Foreign Languages, History, Philosophy, Political Science, Sociology-Anthropology, Speech Communication, and Management and Marketing.

Charles P. Lantz Health, Physical Education and Recreation Building: Health Education, Physical Education, Recreation, and Intercollegiate Athletics. Features include archery, pistol and rifle ranges, field house, gymnasium, and swimming pool.

Clinical Services Building: Speech Pathology and Audiology, Health Service, and Reading, Speech, and Hearing Clinics.

Florence McAfee Gymnasium: Physical Education, Intercollegiate Athletics, Registration.

Francis G. Blair Hall: Business Education, and Accountancy, Data Processing, and Finance.

Life Science Building: Botany and Zoology.

Livingston C. Lord Administration Building (Old Main): Administrative offices, Admissions, Affirmative Action, Foreign Student Advisement, Mathematics, Records, Student Personnel Services.

Martin Luther King, Jr., University Union: Arrangements Office, Student Activities and Organizations, and special features: ballrooms, bookstore, bowling alleys, dining facilities, lounges, conference rooms, snack shops, and student government offices.

Mary J. Booth Library: Main Library, Music Room, Self-Study Materials Center, and Audio-Visual Center.

Physical Science Building: Chemistry, Geography-Geology, Physics, and Psychology.

Quincy V. Doudna Fine Arts Center: Art, Music, and Theatre Arts.

Robert G. Buzzard Building: Education, Educational Psychology and Guidance, School Service Personnel, Special Projects, and portion of Home Economics, Journalism, Eastern News, and Warbler.

Student Services Building: Academic Assistance Center, Computer Services, Duplicating Services, Financial Aids, Housing, Placement, Residence Hall Food Services, Testing, Veterans' Services.

Table Arts Center: Exhibits, performances, outreach facilities.

Telephone and Security Building: Security staff and university telephone system.

Dormitory Complexes include the following buildings: Andrews Hall, Carman Hall, Douglas Hall, East Hall, Ford Hall, Lawson Hall, Lincoln Hall, McKinney Hall, Pemberton Hall, Stevenson Tower, Taylor Hall, Thomas Hall, Weller Hall, and University Apartments.

ORGANIZATION OF THE UNIVERSITY

Eastern Illinois University is one of five state universities under the general jurisdiction of the Board of Governors of State Colleges and Universities, to whom the President is finally responsible for the operation and general welfare of the University.

The University is functionally organized into three areas each headed by a vice president: Academic Affairs, Administration and Finance, and Student Affairs.

The chief instructional units include the College of Applied Sciences (containing the School of Home Economics and the School of Technology), the College of Arts and Sciences, the College of Business, the College of Education, the College of Fine Arts, the Graduate School, and the College of Health, Physical Education and Recreation. Each of these units is headed by a dean.

Faculty and student participation in university affairs is accomplished through a Faculty Senate, a Student Senate, and membership on a number of academic and administrative committees. These councils, most of which have both student and faculty members, consider and recommend policies, curricula, and procedures to the President.

DIVISION OF THE YEAR

The university year consists of two semesters and an eight-week summer term for undergraduates and graduates.

ALUMNI ORGANIZATIONS

Recognizing the contribution that a body of truly interested alumni can make to the development of an institution of higher learning, the University has encouraged the growth of various alumni organizations. Since all who have been students at Eastern, whether graduates or not, are eligible to participate in alumni activities, students now in school are encouraged to learn more about the alumni program.

The *Eastern Alumni Association*, established in 1905, is composed of persons who have either received degrees from this institution or completed a minimum of one term's work here.

In 1947 the Alumni Association issued the first *Eastern Alumnus*, a quarterly magazine mailed to subscribers throughout the United States and several foreign countries. Subscription rates (which include membership in the Alumni Association) are \$4 for one year, \$7 for two years, and \$10 for three years.

The Eastern Illinois University Foundation

In 1953 the Eastern Illinois Alumni Association sponsored the establishment of the Foundation, a non-profit corporation organized under the laws of the State of Illinois for charitable and educational purposes.

The objectives of the Foundation are to assist in developing and increasing the facilities of the University by encouraging gifts of money, property, works of art, historical papers and documents and other materials having educational, artistic, or historical value. Such gifts should be conveyed to the Foundation, with proper stipulation as to their use. The Foundation, through its officers and members, will be glad to confer with intending donors regarding suitable clauses to insert in wills and suitable forms for gifts and memorials.

Membership of the Foundation consists of 100 persons, including alumni and friends of the University. The Board of Directors of the Foundation consists of nine persons elected from the general membership.



II. STUDENT LIFE, ACTIVITIES AND SERVICES

LIVING ACCOMMODATIONS

The housing program at Eastern Illinois University is based on the concept that there is a relationship between the student's living environment and the achievement of his/her educational goals as well as the development of personal and social maturity. This environment must lead to the student's self-direction and the assumption of personal responsibility.

Parietal Rule

Notwithstanding any other facilities which now or at any time hereafter may be available for students and faculty of said university (with the exception only of the covenants and agreements made by the Board of Governors of State Colleges and Universities for the security of the outstanding bonds heretofore issued for said university), the university will require, and adopt parietal rules and regulations designed to assure the maximum use of the said project, and existing university facilities, until all of the bonds have been fully paid as to both principal and interest.

University Housing Policies

Until available residence hall space is exhausted, all Eastern Illinois University students are required to live in University residence halls except as follows:

1. Students with 30 or more semester hours of credit. Students who acquire 30 semester hours of credit during the school year will be permitted to select their place of residence at the end of the semester in which they attain the required hours, OR

2. Students who have lived in university halls for two (2) semesters (two summer sessions count as one semester), OR
3. Married students, OR
4. Students who are 21 years of age or older, prior to the beginning of the semester for which enrollment is sought, OR
5. Students who live at home with their parents within a fifty (50) mile radius of Charleston, Illinois, OR
6. Students, who by reason of medical necessity require special housing.

An exception to the housing policy will be granted upon proof of any one of the foregoing reasons. Exceptions may be made in the following manner:

1. Record of prior residency.
2. Certified copy of marriage license.
3. Eastern Illinois University records.
4. Notarized statement from parents.

Residence Halls

University Residence Halls and Food Services are designed to provide for the student's education outside of the classroom. The basic philosophy is the development of the total student. Professionally educated counselors are available in each of the residence halls to aid in the residents' adjustment to group living and the University. Rooms are primarily for double occupancy although a few single, and triple, four-and five-person rooms are available, as are the four-and six-person suites in Stevenson Tower. Residence hall accommodations are as follows:

Andrews	480	McKinney	150
Carman North	384	Ninth Street Hall	54
Carman South	432	Pemberton	201
Douglas	194	Stevenson	360
East	50	Taylor North	295
Ford	150	Taylor South	297
Lawson	480	Thomas	438
Lincoln	194	Weller	150

An application for residence hall space and board (20 meals per week) should be requested from Student Housing Office. (Application for admission to the university does not constitute an application for housing.) All space in the residence halls is assigned according to the date we receive the \$35 deposit and completed application cards. \$10 of the deposit is an application fee and is nonrefundable. Residence hall accommodations are granted on a priority basis, determined by the date of housing application and deposit. More specific information regarding the University Residence Halls will be mailed upon request, by the Student Housing Office.

Married Housing

The 154 University Apartments consist of 100 one-bedroom and 54 efficiency apartments. Utilities, including telephone, are furnished by the University. The apartments are designed to provide inexpensive living facilities for married students.

1985-86 rates are as follows: \$177 per month for a one and one-half room furnished apartment; \$192 per month for a two-room furnished apartment; and \$197 per month for a two-room partially furnished apartment. Additional information may be requested from the Student Housing Office.

All assignments are made on the basis of date of application for married housing according to the eligibility requirements listed below. The \$25 deposit must accompany the application form.

The eligibility requirements are:

1. Applications from student families are considered first. Student families include married couples, where at least one member of the family is a student at Eastern Illinois University, and single-parent families. Applications from single parents will be considered only if the child or children will be living full-time in the University Apartments.
2. To be eligible to live in the University Apartments, an applicant must be enrolled in at least 5 semester hours. If a resident drops below the 5 semester hours, the resident will be asked to move.
3. Applicants must prove their eligibility for a University Apartment assignment by providing the Housing Office with a certified courthouse copy of their marriage license. A minister's copy or a Xerox copy without the appropriate seal will not be acceptable. In the case of single-parents, a certified copy of the child's (or children's) birth certificate will be required. The above mentioned information is required prior to assignment.
4. When all eligible applicants who are student families have been assigned, consideration will be given to single graduate assistants, single graduate students, faculty, and civil service personnel. (In a priority order as listed.)

GENERAL SERVICES

ACADEMIC ASSISTANCE SERVICES

The University provides several programs which students may use for educational assistance. There is no fee for any of these services, and the University encourages all students to take advantage of them. In addition, students should consult *The Daily Eastern News* every Friday for "Official Notices" regarding exam schedules, requirements, deadlines, etc.

Academic Assistance Center

The Academic Assistance Center is located in the Student Services Building, second floor, east wing. Beginning freshmen, all students with undeclared majors, and students who have not been accepted to the College of Business are assigned to the Academic Assistance Center for academic advising. In addition to serving these specified groups, the Center serves all undergraduate students by providing assistance concerning academic policies and procedures. The Center will advise both currently enrolled students and prospective students. The Academic Assistance Center offers help to all students as they decide on academic programs related to career goals.

Counseling Center

The Counseling Center is located in the Buzzard House at 1711 7th Street. The Center is staffed by professional counselors and counseling psychologists who assist students with typical problems which result from University attendance and which may interfere with deriving maximum benefit from their university experiences. The Counseling Center offers services to students with problems which may affect their grades: e.g., study skills seminars, stress management workshops, career counseling, relaxation training, and personal/social counseling. Students with problems which require long-term and/or in-depth therapy may be referred to more appropriate agencies.

Reading Center

The Reading Center is housed in the Buzzard Building, Room 225. The Reading Center offers assistance, through the GST 1000 course, to those who recognize a need for guidance and practice with essential reading and study skills. Help is given to students in developing flexibility in reading rate, in improving comprehension, in increasing speed of reading, and in practicing efficient study habits. Individual and group testing is conducted by faculty and graduate assistants.

Term Paper Clinics

Term Paper Clinics are held in Booth Library, Room M-123, each semester. Clinics are designed to help students develop a plan of basic research. Students are assisted with refining their topics for research and with selecting and locating appropriate sources of information in the library. Clinics are held on an individual basis, by appointment only. Students may contact Kathleen Jenkins in Reference Services, Booth Library.

Testing Services

Testing Services is located in the Student Services Building, second floor, east wing. Testing Services personnel sponsor a Test-taking Skills Workshop each semester. Included in this workshop are test anxiety,

studying for tests, and taking tests. Dates are announced in *The Daily Eastern News* and on bulletin boards.

Tutoring

Many of the departments on campus offer tutoring. For further information, students may contact departmental offices or see an advisor in the Academic Assistance Center.

Writing Center

The Writing Center is located in Coleman Hall, Room 301. The Center is available for all students at Eastern. Writing Center tutors do not proofread papers. Tutors answer questions, offer suggestions, and analyze writing problems. Students preparing for the Junior Writing Competency Examination may work through a packet of materials provided by the Writing Center. Service is provided on a walk-in or appointment basis.

Student Employment

The Director of Financial Aid receives applications for part-time employment and assists students in finding work at the University and in the community. A bulletin board is maintained in the Student Employment office for the purpose of advising students of vacancies. Students may also apply directly to any department on campus for student employment consideration.

STUDENT INSURANCE

By action of the Board of Governors, each full-time resident student and all graduate assistants under contract to the University are assessed a fee for group health and accident insurance administered by the University to supplement services performed by the University Health Service. Students who register for nine, ten, or eleven hours may purchase the insurance coverage during the first ten class days of each semester providing they meet the other eligibility requirements. Insured students are eligible to purchase identical coverage for their dependents. Dependents are *not* eligible to use the University Health Service as a result of this additional purchased insurance coverage.

The insurance is available for all three terms of the calendar year. Insured students attending spring semester who wish summer coverage and do not plan to enroll summer term, or plan to enroll only part-time, must apply for this insurance through the last day of final examinations of the spring semester.

An insurance brochure describing details of the coverage is available in the Office of Financial Aid. Basically, the group policy provides for a maximum of \$10,000 for hospital, surgical, and major medical expenses incurred within fifty-two weeks of the date of first medical treatment of the injury or sickness as provided for under the provisions of the contract. Benefits payable for a mental or nervous condition shall not exceed \$5,000.

Prior to the tenth class day of the term, students and/or parents (for students under 18), who can produce evidence of equal or better coverage, may make application for a refund of the insurance fee by completing a form available in the Office of Financial Aid.

Information concerning the insurance may be obtained in the Office of Financial Aid.

MEDICAL

The University Health Service is located in the Clinical Services Building.

Outpatient medical services are available Monday-Friday, 7:30 a.m. to 4:00 p.m. A nurse is also available until 11:00 p.m. daily during the week and from 10:00 a.m. until 5:00 p.m. on Saturdays. During these hours a physician is on call for emergencies. The Charleston Ambulance Service can be contacted in an emergency for transportation of severe injuries or illnesses. Faculty and staff may be treated at the University Health Service only for emergencies which happen during working hours.

Services provided by the Health Service are covered by student activity and pharmacy fees. For further information concerning the Health Service, refer to the University Health Service brochure and the insurance brochure provided by the Financial Aid Office.

CAREER PLANNING AND PLACEMENT

Career planning should begin for students from the first year at Eastern Illinois University. Appointments for career planning can be made by any student. Contact the Placement Center.

Registration or re-registration with the Placement Center is recommended prior to graduation for all degree candidates. The Placement Center seeks to help graduates secure positions for which they are qualified and furnishes prospective employers with pertinent information about the applicants. It also maintains a follow-up service, including a program of visits and reports from employers and persons placed. Minimal service fees are charged current graduates who elect to register for placement.

Graduate Students may register for placement if they have attended Eastern Illinois University for one term and have earned ten semester hours of graduate credit towards a master's degree. The fee for placement registration is \$1.00.

Alumni whose institutional records are clear may register by bringing their credentials up-to-date and paying a fee of \$5. The placement registration fee for graduates initiating registration more than one year after graduation is \$25.

Teacher Placement Services are available to undergraduates who have been in attendance at Eastern for a year, who have been admitted to a teacher education curriculum, and have attained senior standing.

Industrial and Business Placement Services are available to students who have attained senior standing. The Placement Center furnishes the candidate's credentials to prospective employers and offers other services fundamental to their selection of employees.

STUDENT CONDUCT CODE

Each student is responsible for adhering to the Student Conduct Code. A copy of the Code may be obtained from the Student Activities Office.

TESTING SERVICES

Testing Services provides students with information about nationally standardized tests published by The

Psychological Corporation, Educational Testing Service (ETS), and the American College Testing Program (ACT) and about EIU exams such as the Writing Competency Examination, the Health Education Competency Examination, and the Constitution Test. It provides students with registration materials for published tests, registers students for EIU exams, and administers published tests and EIU exams on announced dates.

For faculty and staff at EIU, Testing Services provides test scoring, test analysis, and questionnaire and survey machine scanning in addition to assistance with test construction and consultation on testing problems.

INSTRUCTIONAL SERVICE

Audio-Visual Services

The Audio-Visual Center provides instructional resources and accompanying services to the teaching faculty. Instructional resources including films, filmstrips, tape and disc recordings; video programs and a limited number of programmed audio and visual materials are available from rental sources. In addition, preview services are offered to those who have need for them. The Media Production Laboratory, Booth Library Room 5, is equipped and staffed to assist faculty and students in designing and producing their own slides, transparencies, posters, audio and videotapes, and other instructional materials.

Requests for services of the Audio-Visual Center should be submitted as early as possible, particularly where materials for class use need to be rented. Usually, three weeks is necessary to get the materials from outside sources to campus.

Professional personnel are available to assist the teaching faculty in the design of instruction, and for the production of visual materials for classroom use.

Book Rental and Sales

Basic textbooks for courses are rented to students through the Textbook Rental Service.

Rented textbooks must be returned in satisfactory condition by 4:30 p.m. of the next working day following the last day of a term. Regular working hours are 8:00-4:30 Monday through Friday. Damage other than that of ordinary wear must be paid for by the student. Students not returning textbooks by announced deadlines are subject to fines of \$2 per book up to a maximum of \$10 for all books issued for the term.

Students wishing to purchase their books may do so during the established sales period each semester. Dates for the book sales period may be found each semester in the Official Notices of *The Daily Eastern News*, or by inquiring at the Textbook Rental Service.

Library Services

BOOTH LIBRARY

Booth Library is the general library of the University and contains a book stock of over 500,000 cataloged volumes besides governmental documents, over one million microtexts, maps, music scores, pictures, and pamphlets chosen to support the educational effort of the University. The basic collection in the library is on open shelves in the two stack levels. The exceptions to open shelving are the Special Collection, Archives, Media Library, and Reserve.

In the central area of the main level are located the

Circulation Services, Public Card Catalog, and the Reference Services. Here is a collection of reference materials, which assists our library faculty in serving our patrons. Special facilities such as the new book alcove, conference rooms, faculty study rooms, lounges, the faculty copy services, administrative and staff offices and equipment for reading microtext materials are also provided on this floor. The current issues and the bound volumes of periodicals are kept on the upper level in open stacks. Coin-operated copiers are available.

The library serves as a depository for selected publications of the United States Government and for maps issued by the U.S. Army Map Service. A publishers' exhibit of textbooks for elementary and secondary schools is also provided. A collection of books for children of all ages is available on the main level for the students who study children's literature.

Self-Study Materials Center (SMC) is a public service unit of Booth Library located on the main level, north building. It has been developed to make information stored on non-print media such as sound recording and video tapes, etc., available to students and faculty members for various class assignments. Study carrels equipped for independent viewing and listening are also available in the Center. The SMC has a number of Computer Assisted Instruction (CAI) Terminals, i.e. Plato and ECN. There are a variety of microform collections along with appropriate readers and printers. The Read and Relax Room houses the latest best sellers and popular paperback books along with a quadraphonic sound system for student listening.

Speech and Hearing Diagnosis and Correction

The Speech and Hearing Clinic is housed on the second floor of the Clinical Services Building. Under faculty supervision, junior, senior and graduate students enrolled in speech and hearing courses obtain required clinical practice by working with speech-language-hearing impaired adults and children. Diagnostic services include evaluation of hearing and hearing aids, and evaluation of speech and language skills. Remedial services include improvement of speech and language abilities, and lip reading and manual communication skills. The services are available without charge to university students, children and adults in east central Illinois.

SOCIAL AND CULTURAL LIFE AND ACTIVITIES

Student-Faculty Boards

Student members of the student-faculty boards are appointed by the Student Body President with consent of the Student Senate; faculty members are appointed by the Faculty Senate. The Executive Vice President of the Student Body and the Director of Student Activities or his/her representative, are ex officio members of all boards. The boards are as follows: Apportionment, Art, Eastern News, Health Services, Players, WELH Radio, Sports & Recreation, Student Senate, *Warbler* and Student Publications.

University Board

The officers and coordinators of the University Board are selected by the University Board and approved by the Student Senate. The committees are Concerts (the Parents' Weekend Show and other major concerts), Performing Arts (approximately six outstanding fine-arts

performers or groups presented each year), Lectures (approximately six well-known lecturers on a variety of subjects are brought to the campus each year), Movies (low cost movies are provided every week of the school year), Special Events (including camping equipment rental, ice cream socials, etc.), Homecoming, Video Tape, Communications (the Board's calendar book "The Eventsful," a weekly page in *The Daily Eastern News*, informing the campus of the Board's activities, etc.), Crazy Daze (a week of events before finals in the spring), Graphics (the Board's publicity), Human Potential (minority programs), and Mainstage Productions (lesser known band concerts).

Activity Fees

The purpose of student activity fees is to enrich the extracurricular life of Eastern students. Activity programs under the supervision of student-faculty boards receive their support from activity fees charged all students. University Board activities are also funded by the activity fees. The allocation of funds from activity fees is made by the Apportionment Board, after consideration of budgets presented by the several major activities supported in whole or in part by the fund.

Martin Luther King, Jr., University Union

The Union is the hub of campus life. Through its programs and services it advances the educational mission of the University. The Union is a laboratory of leadership in community participation through its part in student government and activity programs. The Union's services include catering, restaurants, retail sales, recreation, and meeting locations.

The following is a listing of programs and services of the Union.

Activity Tickets	Lobby Shop
Bookstore	Lounges
Bowling Billiards Room	Meeting Rooms
Bus Tickets	Minority Programming
Check Cashing	Student Faculty Boards
Craft Workroom	Student Government
Duplicating Center	Student Legal Service
Food Service	Television Lounges
Fraternities & Sororities	University Board
	Video Pinball Arcade

The Union Board advises the University on Union policies and operations. The facility is a self-sustaining program supported by student fees.

Forensics

Through the Department of Speech Communication, students of undergraduate standing are offered the opportunity to participate in intercollegiate tournament experience in extemporaneous speaking, oratory, and debate.

Members of the forensic teams engage in competition with teams from the major colleges and universities.

Scholarships and tuition waivers are available through the Forensics Program.

Affiliation is maintained with several regional and national forensic organizations including: Illinois Intercollegiate Debate League, Illinois Intercollegiate Oratorical Association, Interstate Oratorical Association; American Forensic Association; and Delta Sigma Rho, a national honorary forensic fraternity.

Theatre

The Department of Theatre Arts sponsors a variety of activities. Three full-length plays and a full-length oral interpretation program are presented each academic year as public performances.

Any student in the University is eligible to participate in the activities of the department. Practical experience in all phases of theatre can be obtained.

Radio-Television

Several activities provide an introduction to the broadcast media. The campus radio station, WELH, is operated by students more than fifty hours per week during the regular school year. This activity is open to all full time students regardless of major. Interested students should contact the Department of Speech Communication. Laboratories in television and film production are available in campus facilities and practical internships with area radio and television stations are available to students through the Department of Speech Communication.

Music

The Music Department offers many opportunities for students to participate in making music. Any students in the University are welcome to participate in the activities of the Department.

Musical ensembles provide a setting for students to expand their performing skills and understanding of music. Instrumental ensembles include the Concert Band, Jazz and Lab Bands, Marching Band, Marimba Orchestra, Pep Bands, Percussion Ensemble, Steel Drum Band, String and Symphony Orchestras, Clarinet Choir, and Wind Ensemble. Choral ensembles include the Cecilian Singers, Chamber Singers, Concert Choir, Mixed Chorus, Music Theater/Opera Ensemble, and Oratorio Chorus. Other special vocal and instrumental ensembles provide additional opportunities for students to study and perform.

Auditions for most ensembles are posted in the Department Office prior to the first day of classes.

The Tarble Arts Center

The Tarble Arts Center is the newest building on Eastern's campus and is located between Seventh and Ninth Streets immediately south of the Buzzard Building. The Center brings to the campus exhibitions selected from various areas of the visual arts, including paintings, prints, textiles, photography, sculpture, jewelry and ceramics. Frequently several exhibitions are scheduled concurrently with some changes made each month. Special lectures, films and workshops related to the exhibitions are scheduled as well as a chamber music series and other performing arts activities. The Center provides important original works for study in art classes and adds to the cultural life of the general student on campus and for citizens of the community and region.

Publications

Student publications are the newspaper, *The Daily Eastern News*; a literary magazine, the *Vehicle*; and a yearbook, the *Warbler*. The publications are produced by student staffs with faculty advisors.

The *News* is published Monday through Friday during Fall and Spring semesters and twice weekly during the Summer Session. Staff positions on the *News* are open to all students.

The *Warbler* is issued annually as a historical and

pictorial record of the University year. A student editorial staff, supervised by a faculty advisor, is responsible for the publication. All qualified students are eligible for the staff.

The *Vehicle* is published each semester. Creative material is solicited from all students.

A portion of each student's activity fee goes toward a school-year subscription to *The Daily Eastern News*, the *Vehicle*, and the *Warbler*.

Intramural Sports and Student Recreation

The College of Health, Physical Education and Recreation offers intramural and student recreation programs for men and women with opportunities for sharing in recreative physical activities. Participation is voluntary and open to all students. Over 30 activities consisting of team sports, special events and singles and doubles tournaments are offered. Residence halls, fraternities, sororities and independent groups compete in separate divisions of play culminating in All-University Playoffs for teams which win half or more of their league games. Emphasis is also made on corecreational offerings and unstructured freereplay opportunities.

Intercollegiate Athletics

The program of intercollegiate athletics is dedicated to a belief that athletic competition promotes individual development of traits such as sportsmanship, fair play, honesty, fellowship, understanding, and adherence to democratic ideals to the end that personal growth and character will result. In addition, the acquisition of certain professional techniques and skills particularly for those who plan to coach, are objectives of the athletic program.

The University program of intercollegiate athletics for men includes football, basketball, baseball, track, cross country, wrestling, tennis, golf, swimming, and soccer. The University adheres to the intercollegiate athletics policies of the National Collegiate Athletic Association.

The University program of intercollegiate athletics for women includes basketball, cross country, volleyball, softball, track and field, swimming, tennis. The University adheres to the intercollegiate athletics policies of the National Collegiate Athletic Association.

STUDENT ORGANIZATIONS

Student Government

The student government is organized on the same plan as the federal government with its three branches: executive, legislative, and judicial. The student officers and the student senators are elected by popular vote. The judicial branch members are named by the Student Body President and approved by the Student Senate.

The student government is concerned with matters pertaining to student welfare, student activities, and student participation in university planning and administration.

Departmental Clubs

Approximately forty recognized clubs are related to every academic department on campus. There are twenty-five honorary and professional fraternities on campus.

Art Department: Art Club, Kappa Kappa Psi, Phi Mu Alpha Sinfonia, Sigma Alpha Iota, Tau Beta Sigma

Botany Department: Botany Club, Beta Beta Beta, Phi Sigma Society

Chemistry Department: Gamma Sigma Epsilon, American Chemical Society Student Affiliate

Economics Department: Economics Club, Omicron Delta Epsilon—National Honor Society in Economics

Educational Psychology and Guidance Department: American College Personnel Association, American Mental Health Counselor Association, American Personnel and Guidance Association, American Rehabilitation Counseling Association, American School Counselor Association, Association for Counselor Education and Supervision, Association for Humanistic Education and Development, Association for Measurement and Evaluation Guidance, Association for Non-White Concerns in Personnel and Guidance, Association for Religious and Value Issue in Counseling, Association for Specialists in Group Work, Illinois Association of Adult and Continuing Education Counselors, Illinois Association for Measurement and Evaluation, Illinois Association for Non-White Concerns, Illinois College Personnel Association, Illinois Counselor Educators and Supervisors, Illinois Guidance and Personnel Association, Illinois Mental Health Counselors Association, Illinois School Counselor Association, Illinois Vocational Guidance Association, National Employment Counselors Association, National Vocational Guidance Association

Elementary Education Department: Association of Childhood Education International, East Central-EIU Reading Council, Junior High School Majors Club, Kappa Delta Pi, Phi Delta Kappa

English Department: Eastern Film Society, English Club, Sigma Tau Delta

Foreign Languages, French: French National Honorary Society, Pi Delta Phi, Chapter Theta Mu

Foreign Languages, German: German Club, German National Honorary Society, Delta Phi Alpha, Chapter Theta Eta

Foreign Languages, Spanish: Spanish Club, Spanish National Honorary Society, Sigma Delta Pi, Chapter Zeta Eta

Geography and Geology Department: Gamma Theta Upsilon, Geography Club, Geo-Science Club, Sigma Gamma Epsilon

Health Education Department: Eta Sigma Gamma

History Department: History Club, Phi Alpha Theta, Epsilon Mu Chapter

Home Economics: Kappa Omicron Phi, Student Home Economics Association

Journalism Department: Eastern Illinois High School Press Association, Kappa Tau Alpha, Minority Fourth Estate, Society for Collegiate Journalists, Women in Communications Incorporated

Mathematics Department: Kappa Mu Epsilon, Mathematics Club

Physical Education Department: Delta Psi Kappa, Phi Epsilon Kappa

Physics Department: Physics Honors Society, Sigma Pi Sigma, Society of Physics Students

Political Science Department: College Democrats, Model Illinois Government Association, Pi Sigma Alpha, Public Administration Association, University Council for the

United Nations, Model United Nations Student Organization, Young Republicans

Pre-Health Professions Studies: Alpha Epsilon Delta

Psychology Department: Psi Chi

School Service Personnel Department: American Association of School Administrators, Association of Educational Communication and Technology, NEA, Association for Supervision and Curriculum Development, Delta Kappa Gamma, East Central Illinois Audio-Visual Association, Eastern Illinois Administrators Round Table, Illinois Association of School Administrators, Illinois Association for Supervision and Curriculum Development, Illinois Library Association, Illinois Principals Association, Kappa Delta Pi, National Association of Elementary School Principals, National Association of Secondary School Principals, Phi Delta Kappa

Sociology-Anthropology Department: Alpha Kappa Delta, Sociology Club

Special Education Department: Association of Teachers of Education, Council for Exceptional Children, International Reading Association, Kappa Delta Pi, National Council of Teachers of English, Phi Delta Kappa, Phi Kappa Phi, Sigma Rho Epsilon

Speech Communication Department: Pi Kappa Delta

Speech Pathology and Audiology Department: Eastern Illinois University Chapter of National Student Speech-Language-Hearing Association

Technology: Epsilon Pi Tau

Zoology Department: Beta Beta Beta, Phi Sigma, Zoology Club

Religious Organizations

Most of the major religions or denominations are represented by student groups on campus. The office of Student Activities makes available a current listing of campus organizations which may be picked up in Room 316, University Union.

Residence Hall Government

The Hall Council in each residence hall is composed of representatives from each corridor, elected hall officers and committee chairpersons dependent on the constitution of the hall. The Council is the governing body of the hall and is the channel of communication to the Residence Hall Association and/or the Student Housing Office. Residents are encouraged to take an active role in the government of the hall. Specific procedures regarding residence hall governments are outlined in the Residence Hall Handbook.

The Residence Hall Association (RHA) has as its purpose to deal with matters of mutual interest and to coordinate the joint activities of the member halls. The RHA consists of two or three representatives from each hall dependent upon the size of the hall. The RHA has the responsibility of reviewing and making recommendations relative to University Housing Policies and Procedures for the betterment of the residence halls of Eastern Illinois University. Suggestions for the betterment of a hall are made to the RHA representative.

Special Groups

The following are some, but not all, of the special groups: Association of International Students, College Democrats, EIU Folk and Square Dance Club, EIU Sports

Parachute Club, Eastern Film Society, Eastern Veterans Association, Parents Club, University Council for United Nations, Young Republicans, Black Student Union, Model Illinois Government, and Public Administration Association.

Interfraternity Council

The Interfraternity Council is composed of the presidents of the member fraternities and one elected representative from each fraternity. The IFC aids in establishing policies related to the entire fraternity system. It cooperates with the Panhellenic Council in planning cooperative Greek affairs on- and off-campus. The following fraternities are represented on Eastern's campus:

Delta Chi	Eastern Illinois University Chapter
Delta Sigma Phi	Delta Psi Chapter
Delta Tau Delta	Eastern Illinois Chapter
Kappa Alpha Psi	Theta Gamma Chapter
Lambda Chi Alpha	Colony
Phi Sigma Epsilon	Delta Chapter
Pi Kappa Alpha	Zeta Gamma Chapter
Sigma Chi	Eta Mu Chapter
Sigma Pi	Beta Gamma Chapter
Sigma Tau Gamma	Alpha Alpha Chapter
Tau Kappa Epsilon	Gamma Omega Chapter

Panhellenic Council

The Panhellenic Council is composed of the presidents of sororities and two elected representatives from each sorority. It deals with problems confronting the sororities, establishes rules for rushing, cooperates with the Interfraternity Council in planning all-Greek affairs on campus, and awards a cup each year to the sorority maintaining the highest academic standing for the preceding year. The following sororities are represented on Eastern's campus:

Alpha Gamma Delta	Beta Iota Chapter
Alpha Kappa Alpha	Eta Gamma Chapter
Alpha Phi	Zeta Alpha Chapter
Alpha Sigma Alpha	Gamma Omega Chapter
Alpha Sigma Tau	Beta Pi Chapter
Delta Zeta	Gamma Nu Chapter
Sigma Kappa	Gamma Mu Chapter
Sigma Sigma Sigma	Alpha Psi Chapter

National Panhellenic Council

The National Panhellenic Council is the umbrella organization of the Fraternities and Sororities listed below. The organization's purpose is to coordinate activities of Inter-Collegiate Greek letter Fraternities and Sororities through the realization that there are certain areas of action and programming that can best be carried out by the joint efforts of these organizations. The N.P.H.C. works very closely throughout the year with the Black Student Union.

Sororities

Alpha Kappa Alpha	Eta Gamma Chapter
Delta Sigma Theta	Theta Zeta Chapter
Sigma Gamma Rho	Delta Beta Chapter
Zeta Phi Beta	Omicron Delta Chapter

Fraternities

Alpha Phi Alpha	Zeta Nu Chapter
Kappa Alpha Psi	Theta Gamma Chapter
Phi Beta Sigma	Delta Chi Chapter
Gamma Phi Psi	Theta Chi Chapter

AUTOMOBILE REGISTRATION AND CONTROL

By definition, a motor vehicle, in addition to an automobile, shall include such conveyances as motor bikes, motor scooters, and motorcycles. Vehicle control regulations are available at University Police.

Freshman-Sophomore Motor Vehicle Regulation

No undergraduate student who has completed less than sixty semester hours shall possess, park, or operate a motor vehicle on any University street, parking lot, or property beginning with enrollment day of each term and ending with the official date of closing each term. An exception to this regulation may be made for a freshman or sophomore student who is physically handicapped, or who resides with his or her parents in Charleston Township, or who can demonstrate a critical need for a motor vehicle because of employment or other circumstance.

A request for an exception to the above regulation should be addressed to Assistant Dean, Student Personnel Services, Livingston C. Lord Administration Building, Eastern Illinois University.

Registration of Vehicles

It is the responsibility of each student, employee, and faculty member who drives any motor vehicle on or around the campus to register the vehicle in the University Police Department.

Parking Permits

Application for a parking permit should be made at the University Police Department. A committee of faculty and students review all requests and make assignments based upon such factors as distance, employment, and physical disability. The current charges for parking permits are \$20.00 and \$6.00. These fees are subject to change on an annual basis. Permits for motorcycles are \$5.00 for the school year.

University Traffic Regulations

All state and community laws apply on campus. University parking regulations are in effect until 5:00 p.m. of the last day of examinations of each term, with the exception of residence hall parking lots which will be enforced 24 hours a day, 7 days a week. Other regulations will be issued periodically by the University Police Department.

Parking and Registration Violations

1. A violator of the freshman-sophomore motor vehicle regulation will be subject to a fine of \$50.00 for the

first and second offenses and will be automatically suspended from the University for the third offense.

2. Failure to report any change which would affect parking privileges \$10.00
3. Falsification of Registration
Referral to University Officials for disciplinary action.
4. Violations of Permit Parking

First Offense	\$ 2.00
Second Offense	5.00
Each subsequent offense thereafter	10.00
5. Moving Violations

First Offense	\$15.00
Second Offense	25.00
Third Offense	50.00

Fourth Offense will result in the loss of campus parking privileges for the remainder of the academic year. A violation of this measure will result in referral to University officials for disciplinary action.

6. Parking in Restricted Zones
Designated by Appropriate Signs \$10.00
7. Removal of Immobilizing Clamp Fee \$10.00

Immobilizing Vehicles

Motor vehicles owned or operated by persons having delinquent parking tickets charged against the vehicle may be immobilized without notice at the operator's expense.

TOWING

Motor vehicles parked in a University lot without a valid permit may be towed away without notice at the operator's expense.

Refer to Vehicle Control Regulations.

BICYCLE REGISTRATION AND CONTROL

By definition, a bicycle shall mean any two-wheeled vehicle which is propelled by human power.

Registration

It is the responsibility of each student, employee, and faculty member operating a bicycle on the campus to register the bicycle in the University Police Department. Registration decals are available at the University Police Department.

Penalties For Violation and Noncompliance

Failure to comply with registration requirements — \$1; failure to use bicycle in conformity with operational provisions — \$1; violation of parking restrictions — \$1; fourth offense — possible referral for disciplinary action.



III. STUDENT EXPENSES AND FINANCIAL AID

EXPENSES

Semester Fees

All fees are subject to change by action of the Board of Governors of State Colleges and Universities. Fees listed below must be paid on or before registration day of each term.

Residency

For the purpose of this regulation an "adult" is considered to be a student eighteen years of age or over; a "minor" student is a student under eighteen years of age. The term "the state" means the State of Illinois. Except for those exceptions clearly indicated in this regulation, in all cases where records establish that the person does not meet the requirements for Resident status as defined in this regulation the Nonresident status shall be assigned.

1. **Residency Determination.** Evidence for determination of residence status of each applicant for admission to the university shall be submitted to the office responsible for admissions at the time of application for admission. A student may be reclassified at any time by the university upon the basis of additional or changed information. However, if the student is classified in error as a Resident student, the change in tuition shall be applicable beginning with the term following the reclassification; if the student is classified in error as a Nonresident, the change in tuition shall be applicable to the term in which the reclassification occurs, provided the student has filed a written request for a review in accordance with this regulation.

2. **Adult Student.** An adult, to be considered a Resident, must have been a bona fide resident of the State for a period of at least six consecutive months immediately preceding the beginning of any term for which he/she registers at the university, and must continue to maintain a bona fide residency in the State, except that an adult student whose parents (or one of them if only one parent is living or the parents are separated or divorced) have established and are maintaining a bona fide residence in the State and who resides with them (or the one residing in the State) or elsewhere in the State will be regarded as a Resident student.
3. **Minor Student.** The residence of a minor shall be considered to be, and to change with and follow:
 - a. That of the person's parents, if they are living together, or living parent, if one is dead; or
 - b. If the parents are separated or divorced, that of the parent to whom the custody of the person has been awarded by court decree or order, or, in the absence of a court decree or order, that of the father unless the person has continuously resided with the mother for a period of at least six consecutive months immediately preceding his/her registration at the university, in which latter event the person's residence shall be considered to be that of his/her mother; or
 - c. That of the adoptive parents, if the person has been legally adopted and, in the event the adoptive parents become divorced or separated, that of the adoptive parent whose residence would govern under the foregoing rules if that parent had been a natural parent; or
 - d. That of the legally appointed guardian of the person if the minor resides with such guardian; or

- e. That of a "natural" guardian, such as a grandparent, adult brother or adult sister, adult uncle or aunt, or other adult with whom the person has resided and has been supported by for a period of at least six consecutive months immediately preceding his/her registration at the university for any term if the person's parents are dead or have abandoned him/her and if no legal guardian of the person has been appointed and qualified.
4. **Parent or Guardian.** Except as provided in paragraph 10 of this Regulation, no parent or legal or natural guardian will be considered a resident of the State unless the parent or guardian (a) maintains a bona fide and permanent place of abode within the State, and (b) lives within the State, except when temporarily absent from the State, with no intention of changing his/her legal residence to some other State or country.
5. **Emancipated Minor.** If a minor has been emancipated, is completely self-supporting, and actually resides in the State, the minor shall be considered to be a Resident even though his/her parent or guardian may reside outside the State. An emancipated minor who is completely self-supporting shall be considered to "actually reside in the State of Illinois" if he/she has maintained a dwelling place within the State uninterrupted for a period of at least twelve consecutive months immediately preceding the beginning of any term for which he/she registers at the university. Marriage or active military service shall be regarded as effecting the emancipation of minors, whether male or female, for the purposes of this regulation. An emancipated minor whose parents (or one of them if only one parent is living or the parents are separated or divorced) have established and are maintaining a bona fide residence in the State and who resides with them (or the one residing in the State) or elsewhere in the State will be regarded as a Resident student.
6. **Marriage of Students.**
 - a. If a Resident student marries a Nonresident, then the Resident student shall continue to be classified as a Resident unless the student requests reclassification to a Nonresident status.
 - b. If a Nonresident student marries a Resident, then the Nonresident student shall continue to be classified as a Nonresident unless the student executes a declaration of residency, in such form as may be prescribed by the office responsible for admissions¹, and requests classification to Resident status.
7. **Persons without United States Citizenship.** A person who is not a citizen of the United States of America, to be considered a Resident must have permanent resident status or must hold "refugee-parolee" or "conditional entrant" status with the United States immigration and Naturalization Service and must also meet and comply with all of the other applicable requirements of this regulation to establish Resident status.
8. **Armed Forces Personnel.** A person who is actively serving in one of the Armed Forces of the United States and who is stationed and present in the State in connection with that service and submits evidence of such service and station, as well as such person's spouse and dependent children, shall receive a waiver of the Nonresident portion of tuition as long as such person remains stationed and present in Illinois and the spouse or dependent children of such person also live in the State. If such a person is transferred to a post outside the Continental United States, but such person or the spouse and/or dependents of such person remain(s) registered at the university then such waiver shall continue until such time as the person in service is stationed in another State within the Continental United States.
9. **Minor Children of Parents Transferred Outside U.S.** The minor children of persons who have resided in the State for at least twelve consecutive months immediately prior to a transfer by their employers to some location outside the United States shall be considered Residents. However, this shall apply only when the minor children of such parents enroll in the university within five years from the time their parents are transferred by their employer to some location outside the United States.
10. **Staff Members of the University, Allied Agencies, and Faculties of State-Supported Institutions in Illinois.** Staff members of the university and of allied agencies, and faculties of state-supported institutions of higher education in Illinois, holding appointment of at least one-quarter time, and their spouses and dependent children, shall be treated as Residents.
11. **Teachers in Public and Private Illinois Schools.** Teachers in the private and public elementary and secondary schools in Illinois shall, if subject to the payment of tuition, be assessed at the Resident rate during the term in which the staff member or teacher holds such an appointment at least one-quarter time. This privilege also extends to the summer session or off-term vacation immediately following the term for which such appointment was effective.
12. **Definition of Terminology.** To the extent that the terms "bona fide residence," "independent," "dependent," and "emancipation," are not defined in this regulation, definitions shall be determined by according due consideration to all of the facts pertinent and material to the question and to the applicable laws and court decisions of the State of Illinois.

Voter registration, filing of tax returns, proper license and registration for the driving or ownership of a vehicle, and other such transactions may verify intent of residence in a state. Neither length of university attendance nor continued presence in the university community during vacation period shall be construed to be proof of Illinois residence.

The term "staff member" as used in this regulation shall mean a person appointed to an established position for specific amount of time required, under an appointment requiring service for not less than three-fourths of the term. The term "staff member" as defined herein shall not apply to persons employed on an hourly basis in either an academic or nonacademic capacity, nor to persons on leave without pay. Persons appointed to established Civil Service positions, whose rate of pay is determined by negotiation or prevailing rates, shall not be considered as being paid on an hourly basis.
13. **Procedure for Review of Residency Status.** A student who takes exception to the residency status assigned and/or tuition assessed shall pay the tuition assessed but may file a claim in writing to the Director of Admission and Records¹ for a reconsideration of residency status and/or an adjustment of the tuition assessed. The written claim must be filed within thirty

¹The Dean, Student Academic Services, is responsible for residency determination at Eastern Illinois University.

calendar days from the date of assessment of tuition or the date designated in the official university calendar as that upon which instruction begins for the academic period for which the tuition is payable, whichever is later, or the student loses all rights to a change of status and/or adjustment of the tuition assessed for the term in question. If the student is dissatisfied with the ruling in response to the written claim made within said period, the student may appeal the ruling by filing a written appeal with the office responsible for admissions¹ within twenty days of receipt of notice of ruling. Such written appeal shall be forwarded by the office responsible for admissions¹ to Board legal counsel, who shall consider all evidence submitted in connection with the case and render a decision which shall be final.

¹The Dean, Student Academic Services, is responsible for residency determination at Eastern Illinois University.

TUITION AND FEES 1985-1986

(Beginning Fall 1985)

Semester Tuition and Fees

Full-Time: 12-18 Semester Hours

Part-Time: Less Than 12 Semester Hours

Overload: More than 18 Semester Hours

Lower Division Undergraduate: A student who has earned fewer than 60 semester hours will pay the following tuition and fees.

Charge	Illinois Resident		Non-Resident	
	Full-Time	Part-Time	Full-Time	Part-Time
	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.
Tuition	\$510.00	\$42.50	\$1530.00	\$127.50
*Pro-grams and Services	196.95	12.65	196.95	12.65
Total	\$706.95	\$55.15	\$1726.95	\$140.15

Overload Fee: Additional Tuition charged for each semester hour of overload.

Illinois Resident	Non-Resident
\$42.50 Per Sem. Hr.	\$127.50 Per Sem. Hr.

Upper Division Undergraduate: A student who has earned 60 or more semester hours, but has not earned the baccalaureate degree, will pay the following tuition and fees.

Charge	Illinois Resident		Non-Resident	
	Full-Time	Part-Time	Full-Time	Part-Time
	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.
Tuition	\$534.00	\$44.50	\$1602.00	\$133.50
*Pro-grams and Services	196.95	12.65	196.95	12.65
Total	\$730.95	\$57.15	\$1798.95	\$146.15

Overload Fee: Additional Tuition charged for each semester hour of overload.

Illinois Resident	Non-Resident
\$44.50 Per Sem. Hr.	\$133.50 Per Sem. Hr.

Graduate: A post-baccalaureate student will pay the following tuition and fees (regardless of the level of the courses in which he/she enrolls).

Charge	Illinois Resident		Non-Resident	
	Full-Time	Part-Time	Full-Time	Part-Time
	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.
Tuition	\$576.00	\$48.00	\$1728.00	\$144.00
*Pro-grams and Services	196.95	12.65	196.95	12.65
Total	\$722.95	\$60.65	\$1924.95	\$156.65

*Programs and Services Fee Breakdown: See below.

Summer Term Tuition and Fees (1985):

Full-Time: 8 Semester Hours or more

Part-Time: Less than 8 Semester Hours

Lower Division Undergraduate: A student who has earned fewer than 60 semester hours will pay the following tuition and fees.

Charge	Illinois Resident		Non Resident	
	Full-Time	Part-Time	Full-Time	Part-Time
	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.
Tuition	\$340.00	\$42.50	\$1020.00	\$127.50
*Pro-grams and Services	115.75	12.65	115.75	12.65
Total	\$455.75	\$55.15	\$1135.65	\$140.15

Upper Division Undergraduate: A student who has earned 60 or more semester hours, but has not earned the baccalaureate degree, will pay the following tuition and fees.

Charge	Illinois Resident		Non-Resident	
	Full-Time	Part-Time	Full-Time	Part-Time
	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.
Tuition	\$356.00	\$44.50	\$1068.00	\$133.50
*Pro-grams and Services	115.75	12.65	115.75	12.65
Total	\$471.75	\$57.15	\$1183.75	\$146.15

Graduate: A post-baccalaureate student will pay the following tuition and fees (regardless of the level of the courses in which he/she enrolls).

Charge	Illinois Resident		Non Resident	
	Full-Time	Part-Time	Full-Time	Part-Time
	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.	per Sem. Hr.
Tuition	\$384.00	\$48.00	\$1152.00	\$144.00
*Pro-grams and Services	115.75	12.65	115.75	12.65
Total	\$499.75	\$60.65	\$1267.75	\$156.65

Programs and Services Fees:

Fee	Semester		Summer Term	
	Full-Time	Part-Time	Full-Time	Part-Time
Activity Fee	\$ 15.40	\$ 1.10	\$ 9.25	\$ 1.10
Athletic Fee	24.55	2.05	14.75	2.05
Grants-in-Aid Fee	23.00	1.90	13.85	1.90
Health & Accident Insurance	32.25	—	16.00	—
Health Service/Pharmacy Fee	4.80	.20	2.90	.20
Textbook Rental Fee	32.00	2.00	19.20	2.00
Union/Bond Revenue Fee	64.95	5.40	39.80	5.40
Total	\$196.95	\$12.65	\$115.75	\$12.65

NOTE: Part-Time students are not eligible for:
Health and Accident Insurance
Pharmacy
Student Legal Service

Continuing Education

TUITION ASSISTANCE

Military personnel should process their tuition assistance forms through their respective agency in advance of the registration date. No registration can be accepted without completed assistance forms.

CLASSIFICATION OF STUDENTS

Undergraduate students are classified as follows:

Freshmen	0-29 semester hours
Sophomores	30-59 semester hours
Juniors	60-89 semester hours
Seniors	90 and above semester hours

Graduate students are those students who have completed a bachelor's degree from a regionally accredited institution.

TUITION AND FEES

All tuition and fees are based upon student classification and must be paid at the time of registration. Student costs are based upon the following:

	FR/SOPH	JR/SR	GRAD
TUITION (Per Semester Hour)	\$42.50	\$44.50	\$48.00
TEXTBOOK RENTAL (Per Course)	\$ 6.00	\$ 6.00	\$ 6.00

STUDENTS SHOULD CALCULATE TUITION COSTS AND TEXTBOOK FEES

NOTE: Students who are incorrectly assessed a lower fee for course work at the time of registration will receive a supplementary billing later in the semester.

Miscellaneous Fees and Charges

Late Enrollment Fee. An extra fee of \$10 is charged to a student who enrolls after the enrollment dates shown in the catalog. This fee is non-refundable.

Constitution Examination. There is no fee for the first test; a \$2.00 fee is charged for each retake.

Health Education Competency Examination. There is a \$2.00 fee for this examination (which can be taken only once).

Writing Competency Examination: \$5.00 each examination.

Student Identification Card. Student I.D. cards are issued to new students their first term of enrollment upon presentation of the fee card indicating payment of registration fees. Paid fee card must be presented whenever I.D. card is validated or re-validated. A fee of \$2 is charged for a colored Polaroid student-photo I.D. Full-time students' I.D. cards are validated at no charge for all subsequent semesters of attendance upon presentation of the paid fee card for each semester of enrollment. A lost I.D. card should be reported immediately to the I.D. office, Student Personnel Services, and application made for a new card. The cost for a replacement card is \$2.00.

Penalty for Returned Checks. A \$10.00 fine will be charged on all checks returned to the University for non-payment for any reason.

Graduation Fee. Candidates for graduation obtain applications for graduation at the Records Office and pay the non-refundable graduation fee at the Business Office.

The fee of \$20 for graduate degree candidates and \$15 for undergraduate degree candidates *does not include the cost of cap and gown rental*. The last day for applying for graduation is listed in the University calendar and/or Class Schedule.

Transcript Fee. A fee of \$1 will be charged for each transcript issued. Transcripts will be issued only for students whose records are clear.

General Library Service Fee. All library materials must be returned and records cleared by the end of each term. Lost or mutilated materials must be paid for. Special fines are assessed for failure to observe library regulations. Students with uncleared records for lost or unreturned books from the previous term cannot charge out library materials.

Textbook Rental Service Fines. Students not returning textbooks by announced deadlines are subject to fines of \$2 per book up to a maximum of \$10 for all books issued for the term. The cost of damaged or lost books is also charged. Damage to a book includes underscoring, highlighting, annotating, adding other marginalia, etc.

Proficiency Examination: \$10 per semester hour.

Chemistry Breakage Ticket. A deposit of \$5 is required for a breakage ticket in all laboratory courses in chemistry. Refund is made of the amount not used for actual breakage after the locker is checked out.

Lock Purchases. Padlocks for lockers used in physical education must be purchased at the Martin Luther King, Jr., University Union Bookstore.

Charges for Materials. Fees are paid for materials used in certain courses.

Physical Education Clothing and Towel Rental Policy. The Physical Education Department provides a rental service to students for clothing items and towels which may be used for physical education classes, intramural sports, or recreation. The service charge also provides a daily exchange for clean laundered items. The following items are available:

	Charge	Deposit
1. Physical education uniform (shorts, T-shirt, socks, supporter)	\$ 8.00	\$ 9.00
2. Tights and Leotards	8.00	8.00
3. Sweat Suits (pants and shirt)	12.00	20.00
4. Towel	3.00	3.00

Clothing is available to both men and women. Payment of the fee and deposit may be made at the check cashing window in the University Union. Identification cards will be validated each term to identify those who are taking part in the program.

Clothing must be turned in each term to receive deposit. Deposits will be refunded anytime during the term (through the last day of final exams) upon return of the clothing and clearance of card by equipment room attendant.

Residence Hall Fees

Housing Security Deposit. A \$35 housing security deposit must accompany an application for residence hall accommodations. The deposit will be held by the University as a damage fee and a guarantee of contract fulfillment. Ten dollars of the deposit is an application fee and is nonrefundable. Twenty-five dollars of the deposit will be refunded upon written request and in accordance with the terms of the residence hall contract.

Room and Board Charges: 1985-86 charges for board and room in the University residence halls are: \$1074.00 for each semester, if paid in full. There is an additional \$10 per semester charge if paid in installments, on dates set by

the University. Failure to make the advance payment according to the terms of the residence hall contract could result in cancellation of the residence hall contract and forfeiture of the Housing Security Deposit. If the residence halls are not full to normal capacity on the tenth day of the term, cancellation of a hall contract after deadline date for each term will result in the forfeiture of the advance payment or if not paid, a charge of that amount plus the Housing Security Deposit. If the residence halls are full to capacity on the tenth day of the term and the student cancels his/her contract and withdraws from the university, a late cancellation charge is assessed as listed in the residence hall contract. A student who cancels his/her contract after the advanced housing payment is due, but does not officially withdraw from the university, will be held responsible for the entire residence hall payment.

Room and board charges for the summer session and for camps and conferences will be forwarded upon request. With the exception of the summer term, it is understood that a student contracts for room and board for the full University academic year unless the contract is cancelled by the deadline date for the succeeding semester which is included in the contract. The only exceptions are if a student: 1) withdraws from Eastern Illinois University and does not return for the next semester; 2) student teaches; 3) graduates; 4) is academically dismissed from the University. In these cases, the student must inform the Housing office in writing prior to the advance payment date for the succeeding semester.

The University reserves the right to increase residence hall rates, if necessary, during an academic year, with the understanding that at least ninety (90) days notice will be given.

Payment Dates and Late Payment Fees: Dates for full payment or installment payments of room and board are included in the residence hall contract. In the event the student cannot make payment on or before the deadline date, a deferment should be requested through the residence hall counselor or the Student Housing Office. Failure to make payment on the assigned date or the deferral date may result in the assessment of a \$10 late payment fee.

OFFICIAL RECEIPTS

Official receipts for fees must be preserved by the student during the term involved. A fee of \$1 will be charged for any duplicate official receipt obtained from the cashier.

REFUNDS

Requests for refunds of mandatory fees other than those listed below must be submitted in writing to the Dean, Student Academic Services, for consideration. Appeals of denials of such requests may be made to the Vice President for Student Affairs, but no later than sixty calendar days following the close of the session for which the refund would have been applicable. The term "refund," as used in this regulation, may mean the cancellation of an unpaid obligation as well as an actual refund of amounts previously paid.

Withdrawal (Fall and Spring Semesters)

Regular. If a student withdraws from the University during a term by completing the procedure described in Section V and IF the initiation and completion of the

withdrawal are made through the Office of Student Personnel Services in accordance with dates set forth in the University Calendar, all fees (except insurance) will be refunded.

Fifty Percent Refund. If a student officially withdraws in accordance with established University procedures by the date set forth in the University Calendar, the student will receive a refund of one-half of all fees paid (except insurance).

Withdrawal (Summer and Other Special Terms)

Regular. During Summer and any other special term, the last day to withdraw officially from the University and receive a refund of all fees (except insurance) is the same as the last day to withdraw from a course without receiving a grade. (See calendar at front of catalog.)

Fifty Percent Refund (Summer — 8 and 5 Weeks Terms Only). If a student officially withdraws in accordance with established University procedures by the date set forth in the University Calendar, the student will receive a refund of one-half of all fees paid (except insurance).

Pre-Enrollment

Cancellation. If a student pre-enrolls and pays his/her fees prior to the regular enrollment date for the term but decides not to attend the University, all fees will be refunded if notice is given in writing to the Registration Office before the regular enrollment date for the term. If such written notice is not given before the regular enrollment date but is given by the last day to withdraw without a grade, all fees (except insurance) will be refunded.

Reduction in Load. Upon written request, a student who initially pays full registration fees and then reduces his/her load to part-time by the last day to withdraw without a grade will be refunded the difference (except insurance, where applicable). A student receiving such a refund will not be eligible for activities and benefits covered by the refunded fees.

Board and Room

A residence hall contract is issued for the academic year or balance thereof excluding vacations and semester breaks. Therefore, once the student has agreed to the contract, he/she is expected to honor the contract for the balance of the academic year. The only exceptions are if a student 1) withdraws from EIU and does not return for the next semester; 2) student teaches; 3) graduates; 4) is academically dismissed from the University. All housing payments are refunded if a student is not admitted to the University. Students who cancel their contract and move from the residence hall and do not officially withdraw from the University will be held responsible for the entire year's residence hall payments. Students expelled from the residence halls for disciplinary reasons under the provisions of the Student Conduct Code, will be responsible for the full rent charges for the year and for board charges through the week in which the student leaves the hall.

If the resident halls are full to normal capacity (100%) on the 10th day of the semester, and if cancellation of the residence hall contract is received after the June deadline for fall semester, or December 1 deadline for spring semester and the student withdraws from the University and is not enrolled during the next semester, the following late cancellations charges will be assessed:

6/15-7/1		\$25 housing deposit
7/2-7/15	12/1-12/13	\$25 housing deposit plus \$50 late cancellation charge
7/16-7/31	12/14-12/24	\$25 housing deposit plus \$75 late cancellation charge
8/1-8/15	12/25-12/31	\$25 housing deposit plus \$100 late cancellation charge
8/16-8/20	1/1-1/8	\$25 housing deposit plus \$125 late cancellation charge
after 8/20	after 1/8	Cancellation is permitted only if the student withdraws from E.I.U. and the charge is \$25 housing deposit plus \$150 late cancellation charge plus room and board charges will be prorated from the end of the week in which the student officially checks out of the residence hall.

Room rent is not refundable, except for reasons stated above or in the residence hall contract. A student who withdraws from Eastern Illinois University during a term will be charged room rent for the term, unless the halls are filled to capacity. Board is refunded from the end of the week in which the student leaves the residence hall and the University.

FINANCIAL AID

State Scholarships and Grants

Illinois State Scholarship Commission Scholarship and Grant Monetary Awards. Under authority granted by the Illinois General Assembly, the ISSC administers a program of monetary awards for students in the state of Illinois who attend one of the more than 195 ISSC approved colleges, universities, and hospital schools of nursing in Illinois. To be eligible for a monetary award the applicant must:

- Be a citizen or permanent resident of the United States, or a parolee-refugee.
- Be a resident of the state of Illinois.
- Be eligible to enroll as a half-time (6 to 11.999 hours) or full time undergraduate student.
- Not have received nor met the requirements to receive a baccalaureate degree or completed 150 semester hours or 225 quarter hours of college level course work.
- Demonstrate financial need as determined by the Commission from income/asset data supplied in the application.
- Maintain satisfactory progress in the course of study according to the standards of the institution.
- Not owe a refund on a PELL grant, Supplemental Grant or State Student Incentive Grant previously received for attendance at that institution.

h. Not be in default on any National Direct or Defense Student Loan made by that institution or on a loan made, insured, or guaranteed under the guaranteed loan program for attendance at that institution.

Monetary awards range from \$240 per academic year to a maximum of \$2250 (as currently established by the General Assembly) but cannot exceed the amount of tuition and mandatory fees paid by all students enrolled at an institution.

Application is made by completing an "Application For Federal Student Aid," or a "Family Financial Statement," or a "Financial Aid Form," being certain in each case to release the information to the state agency. These forms may be obtained from high school counselors, financial aid offices in colleges, universities, and schools of nursing, and from many social agencies. A college choice must be indicated at the time of application, but this choice may be changed after the application is processed.

General Assembly Scholarship. Each member of the General Assembly may award annually two four-year scholarships, one for attendance at the University of Illinois and the other for attendance at any other state-supported university designated by the member. The scholarship may be awarded to one or more persons as one, two, or four-year scholarships. A General Assembly Scholarship pays full tuition plus the student activity fee assessed by the institution. The student must pay any remaining fees assessed by the University. Application may be made any time directly to the legislator, who makes the appointment through the Illinois Office of Education.

Grants for Children of Illinois Policemen and Firemen Killed in Line of Duty. The parent had to be a volunteer or employed by an Illinois police or fire department and the death due to occurrences in the line of duty. The student must be an undergraduate, under 25 years of age, have been in legal custody of the deceased policeman/fireman at the time of his/her death. The grant pays the tuition and mandatory fees. For further information contact the Illinois State Scholarship Commission, 525 W. Jefferson, Springfield, IL 62702.

Grants for Dependents of Correctional Workers Who Were Killed or 90% Permanently Disabled. (Service-Connected) after January 1, 1960. The employee must have been assigned to a security position with responsibility for inmates. For undergraduate study, pays tuition and mandatory fees. For further information contact the Illinois State Scholarship Commission, 525 W. Jefferson, Springfield, IL 62702.

Illinois National Guard/Naval Militia Scholarship. Eligible for this award are current enlisted members, warrant officers, and commissioned officers through the grade of captain who have served at least one year in the Illinois National Guard. Applicants may be full or half-time graduates or undergraduates. The scholarship's value is full tuition and activity fee. Applications are available at any National Guard Armory and in the Office of Financial Aid. Applications are mailed to ISSC, 525 W. Jefferson, Springfield, IL 62702.

Military Scholarship. See Section on Veterans Benefits.

Illinois State ROTC Scholarships

Under authority granted by the Illinois General Assembly, the Eastern Illinois University Army Reserve Officer Training Corps Program administers two types of scholarships. These scholarships do not entail any obligation to military service other than that in the normal ROTC Program.

a. Illinois State ROTC Scholarship is a one-to-four-year scholarship that pays full tuition plus the student activity fee. The scholarship is usable for summer semester courses and pays overload fees also. Awarded by the Professor of Military Science on a competitive basis to student enrolled in ROTC classes. At least ten new scholarships are awarded each year. Once awarded, the scholarships are retained as long as the student is taking ROTC classes.

b. Illinois State ROTC Transfer Student Scholarship is awarded by State Community Colleges to students transferring to Eastern Illinois University or other state four-year colleges and entering the ROTC Program. Each Community College has up to three scholarships per year. The Professor of Military Science certifies enrollment in the Army ROTC Program and the scholarship is awarded by the Community College on a competitive basis. Application should be made to the Financial Aid Director of the Community College involved. Benefits are the same as in (a.) above.

Eligibility requirements for these scholarships are:

- a. Be a resident of the state of Illinois.
- b. Be a full-time student (Undergraduate or Graduate).
- c. Be enrolled in the Army ROTC Program.
- d. Be physically, mentally, and morally qualified.
- e. Be at least 17 years of age and not more than 28 years of age when graduated/commissioned (waiverable).

Application for the scholarship should be made to the Professor of Military Science, Eastern Illinois University.

Federal ROTC Scholarship

This program is designed to offer financial assistance to outstanding young students in the Army ROTC program who are interested in the army as a career. The program provides tuition, books, laboratory fees, and a subsistence allowance of \$100 per month for the period that the scholarship is in effect. Scholarships may be awarded for two, three, or four years. Four-year scholarships are open to all high school students or to students in a five-year baccalaureate program during their freshman year.

Application is normally made for the scholarship during the first semester of the senior year in high school. Two-year and three-year scholarships are available to freshmen and sophomores in their second semesters, respectively. Applicants do not have to be in ROTC and can compete without obligation.

State Rehabilitation Program

The University cooperates with the Illinois Department of Rehabilitation Services. The purpose of this program is to provide rehabilitative services to those individuals who have a physical disability or psychological malfunction which interferes with their vocational objective. Information concerning this program can be obtained at the Counseling Center, the local office of the Department of Rehabilitation

Services, 129 N. 15th Street, Mattoon, Illinois 61938, or the student's home area Office of Department of Rehabilitation Services.

University Awards

Disadvantaged Student Scholarship. Established by the Board of Governors of State Colleges and Universities. Approximately eight are awarded each year to graduate and out-of-state undergraduate U.S. citizens and are based on financial need. The scholarship pays only the recipient's tuition and does not include service fees. Application should be made to the Director of Financial Aid.

Foreign Student Scholarship. Established by the Board of Governors of State Colleges and Universities, the number of awards available to students from other countries is quite limited. Such awards are based on scholarship achievement, academic potential, personal character, and financial need. The scholarship pays only out-of-state fees and does not include room and board which must be paid by the student. Application should be made to the Foreign Student Advisor.

Grants-in-Aid. Eastern offers in excess of 200 grants-in-aid annually to students who show promise or demonstrate a talent in selected fields. Among these are art, athletics, debate, student publications, music, drama, and student leadership. Approved by the Board of Governors of State Colleges and Universities, the talent scholarship program is financed through a student grants-in-aid fee. Application should be made to the appropriate department.

Socio-Economically Disadvantaged Student Scholarship. Administered by the Director of Financial Aid from funds derived from the Socio-Economically Disadvantaged Student Fee paid by each student as part of his/her enrollment costs. Basis of award: demonstrated financial need with emphasis on minority membership. Each EIU financial aid application submitted to the Office of Financial Aid is checked for eligibility of this scholarship.

Talented Student Awards. Established by the Board of Governors of State Colleges and Universities to encourage the development of unique student talents. Tuition (registration fee) is waived for students receiving the awards. The awards go to students with talent in art, athletics, debate, music, drama, student publications, and student leadership, plus special academic achievement awards. Nominations are made by department chairpersons.

Special Awards

Attainment Fund Scholarship. Established in 1965 to provide financial assistance to outstanding students. The award presently goes each year to one or more students who have attained at least sophomore standing and who need at least one more year of study to receive a bachelor's degree. Selection of the recipient, including the determination of financial need, is made by the Financial Grants Committee. Nominations are made by various departments on campus.

Gayle Hutton Adkins Award. Established in memory of Gayle Hutton Adkins, an alumnus of Eastern. The award is made annually to a junior or senior demonstrating outstanding personal character and high scholarship in the pre-medical program. Apply to Director, Pre-Medical Studies.

Alexander Briggs Memorial Award. Established by Miss Margaret Briggs in memory of her father, Alexander

Briggs, the contractor who completed the L. C. Lord Administration Building. The award is made annually to a business major who has completed at least one year of college work with not less than a B average and who is selected by the faculty of the College of Business on the basis of outstanding personal character and interest in the field of business and business education. Apply to College of Business.

Margaret Briggs Mathematics Scholarship. Established by Dorothy Jane Briggs in memory of Margaret Briggs. The scholarship is administered through the Department of Mathematics. On the basis of tuition and fees for the 1978-79 school year, the scholarship covers tuition and fees for a period of up to four years. Apply to Mathematics Department.

Ruth Carman Scholarship. Established in memory of Ruth Carman, former professor of foreign languages at Eastern from 1914 to 1953. The award is presented annually to an outstanding student in foreign languages. Apply to Foreign Language Department.

Walter and Lola Stephenson Cole Scholarship. Established in memory of Walter and Lola Stephenson Cole. The scholarship award is presented annually to graduates of Marshall High School, Marshall, Illinois. Entitlement is based upon economic need, moral and civic character, and academic achievement.

Charles H. and Dorothee Coleman Scholarship. Established through the Department of History in memory of Dr. Charles H. Coleman, former professor and Head of Department of History, and a distinguished Lincoln scholar. The award goes annually to an undergraduate or graduate history major. Apply to History Department.

Lulu Craig Collier Scholarship. Established by Lulu Craig Collier to assist students from Coles County, Illinois, who have graduated in the top 25 percent of their graduating class from any one of the county's public high schools. The scholarship is presented annually.

Calvin Countryman Memorial Award. Established by Dorothy Lee Countryman in memory of her husband, Calvin Countryman, a faculty member in the Department of Art. The annual award is presented to an art education major of senior standing, who has completed or is enrolled in student teaching. Apply to Art Department.

Danforth Foreign Language Fund. Established by Frances R. Danforth for the use and benefit of students majoring in foreign languages.

Gretchen Sue Denton Scholarship. Established in memory of Gretchen Sue Denton, a student at Eastern at the time of her death in 1971. An annual award is presented to a recreation major of junior standing who gives definite promise of making a substantial contribution to the field of recreation. Apply to Recreation Department.

Eunice W. Dougherty Scholarships. Established by a bequest of Eunice W. Dougherty. The awards go annually to outstanding junior students enrolled in programs administered through the College of Business and the College of Arts and Sciences. Apply to College of Business or Dean, College of Arts and Sciences.

Thomas R. Drury Scholarship. Established in memory of Thomas R. Drury, an alumnus of Eastern. The award is presented annually to a student admitted to Eastern's Graduate School and who plans to pursue a career in instructional media. The selection committee is composed of representatives of the College of Education, Student Personnel Services, and the Illinois Audio-Visual Association. Apply to either department.

G. B. Dudley Award. Established by Tilford Dudley in memory of his father, Dr. G. B. Dudley, who was closely associated with the University. The fund makes a minimum of \$200 available each spring for awards to outstanding students in the fundamental sciences: botany, chemistry, physics, and zoology. The recipients are chosen by the chairpersons of these four departments.

Leo J. Dvorak Memorial Award. Established in memory of Dr. Leo J. Dvorak, former Director of the School of Music. The award is presented to a junior music major who shows promise of becoming an outstanding teacher in public school music. Selection of the recipient is made by the faculty of the Department of Music.

Roy E. Ehrsam Scholarship. Established by a bequest of Florence Hart. The scholarship is intended to assist deserving students majoring in Technology.

Charles A. Elliott — Technology Education Award. Established by Dr. Charles A. Elliott, a member of the Eastern faculty from 1945 to 1973. The award is presented annually to a junior, senior, or graduate student in Technology Education who shows promise of making a worthwhile contribution as a teacher of industrial arts.

Richard G. Enochs Scholarship. Established in memory of Richard G. Enochs, Assistant Director of Housing at Eastern. The award goes annually to an outstanding student residing in the university residence halls or university apartments. The award is administered by the Director of Student Housing.

Ann Frommel Memorial Scholarship. A scholarship for outstanding students in botany, zoology, and chemistry, established by Mr. and Mrs. Albert E. Frommel, Charleston, Illinois, in memory of their daughter. The award is made to an outstanding student who has completed at least his/her freshman year of college work and has maintained at least a B average in all academic subjects.

Ardath Louise Fogelsanger History Scholarship. Established by Edna W. Honaker in memory of her daughter, Ardath Louise Honaker Fogelsanger, a graduate of Eastern, who died in 1965. The annual award is presented to a junior history major.

Ruth Gaertner Scholarship. Established by the family of Ruth Gaertner, former Residence Hall Food Service Director. The annual award is presented to an outstanding student completing his or her junior year and majoring in home economics with dietetics option.

Elsie and Erson Giffin Scholarship. Established in memory of Elsie and Erson Giffin, the scholarship is administered through the School of Home Economics. It goes annually to outstanding students enrolled in a home economics program.

Thomas A. Grud Memorial Award. Established by the family and friends of Thomas A. Grud who was killed in Vietnam on Christmas Day, 1967. The award goes annually to a male student who is earning a portion of his college expenses but who is in need of additional financial assistance. The award is administered through the Office of Student Activities.

Ruby M. Harris Scholarship. Established in memory of Dr. Ruby M. Harris, former professor of geography. The award is presented annually to a senior of outstanding character and scholastic achievement in the field of geography or earth science.

Hobart F. Heller Scholarship. Established in honor of Dr. Hobart F. Heller, Vice President for Instruction and a member of the Eastern faculty for thirty-six years, who retired in 1967. The award goes annually to a student who,

by reason of scholarship, responsible character, sense of purpose, growth, and service to the University community during his/her first three years, gives promise of a life of distinguished service and leadership. Selection of the recipient is made by a committee headed by the University's chief student personnel officer.

Glen E. Hubele Scholarship. Established in memory of Dr. Glen E. Hubele, distinguished professor of education at Eastern. The award goes annually to a graduate student enrolled in a counseling or guidance program. It is administered through the Department of Educational Psychology and Guidance.

Bobbie King Memorial Scholarship. Established in 1966 by Mr. and Mrs. Karl King of Charleston, Illinois, in memory of their daughter. The award is presented annually to a junior or senior demonstrating outstanding achievement in the study of foreign languages.

Martin Luther King, Jr., Scholarship. Established by the Eastern Illinois Chapter of the American Association of University Professors in memory of Dr. Martin Luther King, Jr. The award goes annually to one or more Eastern students who are "living examples of the ideals and values expressed by Martin Luther King, Jr."

Walter A. Klehm — Technology Education Award. Established in honor of Dr. Walter A. Klehm, a member of the Eastern faculty from 1938 until his retirement in 1970. Dr. Klehm was the first Dean of the School of Industrial Arts and Technology. The award is presented to a technology education major who demonstrates promise as a teacher of industrial arts subjects.

Charles P. and Mary E. Lantz Scholarship. Established in memory of Dr. Charles P. Lantz, Director of Athletics at Eastern from 1911 to 1952, and Mary E. Lantz. The award is made annually to one or more persons who will be seniors the following year, who have demonstrated outstanding athletic achievement, who have shown evidence of leadership qualities, and who have demonstrated above-average scholastic ability.

Livingston C. Lord Memorial Scholarship. Established by the Alumni Association of the University in memory of Livingston C. Lord, who served as President of Eastern Illinois University, 1899-1933. This is the University's highest award for scholarship. The scholarships are awarded annually at commencement to two junior or senior students, one who is enrolled in a teacher preparation curriculum and one who is enrolled in any curriculum within the University.

Florence McAfee Scholarship. Established by faculty and alumnae in memory of Dr. Florence McAfee, Head of the Department of Physical Education for Women from 1924 to 1962. The award goes annually to a second semester sophomore or junior woman physical education major who demonstrates the qualities of scholarship, leadership, and professional excellence as exemplified by Dr. McAfee. Selection of the recipient is made by a committee from the Department of Physical Education.

Glenn A. McConkey Scholarship. Established in honor of Glenn A. McConkey, professor of economics. The scholarship is presented annually to an outstanding junior or senior majoring in economics.

Walter H. and Dorothea V. McDonald. Established by Walter H. McDonald to provide an annual award for one or more outstanding juniors in the Earth Science Program who demonstrate potential success as either a teacher or a graduate student.

Isabel McKinney Scholarship. Established in memory of Dr. Isabel McKinney, Head of Eastern's Department of

English from 1922 to 1945. The award goes annually to a person who has demonstrated high scholastic achievement and has the qualifications to enroll in the English graduate program at Eastern. Selection of the recipient is made by the Scholarship Committee of the Department of English.

Hal Middlesworth Student Publications Alumni Scholarship. Established for the purpose of honoring student journalists. The award is presented annually to a staff member of student publications.

Louise C. Miller Music Scholarship. Established through the Department of Music in honor of the late Miss Louise C. Miller, a singing teacher for many years in the Chicago public school system, the award goes annually to a deserving student of music.

Raymond L. Modesitt Mathematics Scholarship. A scholarship established by the wife and daughter of Mr. Modesitt, a member of the Eastern mathematics faculty from 1912 to 1927. The award goes annually to a junior or senior in mathematics.

Winnie Davis Neely Memorial Award. Established by Sigma Tau Delta, national professional English fraternity, in memory of Winnie Davis Neely, a member of the English Department, 1934-1952. An award is made annually to the University student who submits the best manuscript in the literary contest sponsored by the student literary publication and Sigma Tau Delta.

Estelle Ruth O'Brien Memorial Mathematics Scholarship. Established in 1967 by Dr. Maynard O'Brien and his son in memory of their late wife and mother, Estelle Ruth O'Brien. Mrs. O'Brien was a mathematics teachers in the public schools. The award goes annually to a mathematics major enrolled at Eastern or to a high school graduate who has expressed in writing an intent to enroll as a mathematics major at Eastern.

Hans C. Olsen Scholarship. Established in 1974 in memory of Dr. Hans C. Olsen, a member of the Eastern faculty from 1938 to 1960. The award is given annually to a full-time graduate student who demonstrates outstanding potential for educational leadership.

Harris E. Phipps Chemistry Scholarship. Established in honor of Dr. Harris E. Phipps, professor of chemistry at Eastern. The annual award is administered through the Department of Chemistry and goes to a student who gives promise of distinguished service in the field of chemistry.

President's Award. Established in 1973, the award goes annually to one or more freshmen students who rank near the top of their class after one year of college work. Only students who have done all of their college work at Eastern are eligible for consideration.

Cyril D. Reed Mathematics Scholarship. Established by Cyril D. Reed. The award is presented annually to a graduate or undergraduate mathematics major or a high school graduate who has expressed in writing an intent to enroll as a mathematics major at Eastern.

Emma Reinhardt Award. Established in 1962 by members of Beta Psi Chapter of Kappa Delta Pi in recognition of the contribution of service, guidance, and leadership of the late Dr. Emma Reinhardt, counselor to the chapter for thirty-one years. The award is made annually to the highest ranking junior pursuing the degree Bachelor of Science in Education.

Helen Riley Scholarship. Established in memory of Helen Riley, former Associate Director of Athletics. The award is presented annually to an Eastern woman student of integrity with outstanding academic achievement and a

record of participation in the intercollegiate or intramural athletic programs.

Donald A. Rothschild Award. Established in memory of Dr. Donald A. Rothschild, a member of the Eastern faculty from 1934-1967 and Head of the Department of Psychology. The annual award is given to a psychology major who demonstrates the potential for making a significant contribution to psychology.

Paul Turner Sargent Scholarship Award. Established by the family and friends of Paul Turner Sargent, nationally known artist and 1906 Eastern graduate. The award is made to an art major or minor who has completed the second semester of the sophomore year.

Martin O. Schahrer Scholarship. Established in memory of Martin O. Schahrer, an Eastern student who died for his country in World War I. The award goes in alternate years to an outstanding student in chemistry and botany.

College of Business Dean's Award. Established to recognize and reward outstanding achievement among persons pursuing a course of study in a business curriculum. The award is presented annually to a senior who, by reason of scholarship, experience, character, and service to the University, gives promise of a life of distinguished service and leadership.

Walter Merritt Scruggs Scholarship. Established in memory of Dr. Walter M. Scruggs, former Head of the Department of Zoology and the first Director of the Division of Life Sciences at Eastern. The award goes annually to an outstanding student in the life sciences who has demonstrated a definite interest in research or teaching.

Mr. and Mrs. William Craig Simmons Scholarship. Established by members of the Simmons family, the award is made annually to a junior business major on the basis of outstanding personal character, scholastic achievement, and interest in the fields of business and business education. Selection is made by faculty members of the College of Business.

Kate Booker Stapp Scholarship. Available to women students in teaching curricula who are widows (or whose husbands are incapacitated) with at least one child under the age of eighteen. The fund was established in 1948 by a gift of \$400 from Miss Helen Stapp in honor of her mother. Applications are made to the Director of Financial Aid.

Ernest L. Stover Scholarship. Established in honor of Dr. Ernest L. Stover, former Head of Department of Botany. The award goes annually to a botany major of junior or senior classification who has demonstrated scholastic achievement and shows promise as a teacher or research person. Selection of the recipient is made by a committee from the Department of Botany.

Rex Syndergaard Scholarship. Established by the family, friends, associates, and former students of Dr. Rex Syndergaard, professor of history at Eastern from 1956 through 1980. The award is presented annually to an upper-division or graduate history major at Eastern, with preference given to those interested in pursuing the teaching profession.

Edson H. Taylor Scholarship. Established in honor of Dr. E. H. Taylor, professor of mathematics at Eastern from 1899 to 1945. It is awarded annually to a junior or senior who is majoring in mathematics. The recipient of this award is chosen by the faculty of the Mathematics Department on the basis of excellence of scholarship in mathematics.

H. F. Thut Award. Established in memory of Hiram F. Thut, former professor of botany at Eastern from 1932 to 1969. The award is presented annually to an outstanding student in botany.

Dr. William B. Tym Scholarship. Established in memory of William B. Tym, whose practice of dentistry in Charleston spanned a period of 57 years. The award goes annually to a student enrolled in the pre-dentistry program.

Errett and Mazie Warner Presidential Awards. Scholarship awards established in 12 fields of study by Errett Warner, distinguished Eastern alumnus. The awards are made annually to outstanding Eastern students enrolled in the designated programs. Areas included in the Presidential Awards are athletics, botany, educational administration, elementary education, English, geography-geology, history, library science, mathematics, music, physical education, and zoology.

Robert A. Warner Music Scholarship. Established through the Department of Music in honor of Robert A. Warner, former professor of music at Eastern. The award goes annually to a student of music who demonstrates talent on a stringed instrument.

Benjamin Weir — Eugene Waffle Journalism Award. Established in honor of the late Benjamin Weir, distinguished Charleston publisher, and Dr. Eugene Waffle, distinguished professor of English at Eastern. The award goes annually to an outstanding journalism major.

Annie L. Weller Scholarship. Established in memory of Miss Annie L. Weller, Head of the Geography Department. The award is made annually to a graduating senior planning to pursue graduate study prior to a career in teaching. Eligible candidates must be majoring in the humanities, social sciences, or natural sciences and must have demonstrated superior scholarship ability. Apply to specific department.

George S. Westcott Band Award. Established by George S. Westcott, emeritus professor of music and director of bands at Eastern, the annual award honors outstanding instrumentalists who have performed three years in the University Band. Apply to Music Department.

Ralph W. Widener, Jr., Scholarship. Established by Mrs. Ralph W. Widener, Sr., in honor of her son, Dr. Ralph W. Widener. The award is presented annually to an outstanding undergraduate student majoring in speech communication.

Howard DeForest Widger Scholarship. Established by the Alumni Association and granted annually to a senior English major selected by the faculty members of the English Department. The award is given for outstanding personal character and scholastic achievement in the field of English. Apply to English Department.

Loans

Anytime a loan or loans exceed \$100 in the aggregate, a co-signer is required and must be approved by the Loan Officer. The amount listed as the value of each individual loan fund represents the maximum loan to be made. The actual amount of the loan to the student is determined by the loan officer unless rules governing the respective loan fund require another person's approval. Aggregate loan amounts cannot exceed: Freshmen — \$200; Sophomore — \$300; Junior — \$400; Senior — \$600, and Graduate — \$600.

Adelia Carothers Fund. This fund was established by the late Mrs. Ida Carothers Merriam and Mr. Charles G. Carothers in memory of their mother. This fund is to be loaned to young women students of high character and scholarship during their junior and senior year. The interest rate is two percent during enrollment. At termination of enrollment the rate increases to six per cent. Inquiry may be made at the Office of Financial Aid.

Elementary and Junior High School Student Teaching Loan Fund. This loan fund was established with funds contributed by students of Eastern State High School during World War II. Loans up to \$100 may be made to students who need the funds during their student teaching semester. No interest is charged when payment is made within one year. Application must be made to the Dean, College of Education.

Elizabeth K. Lawson Emergency Loan Fund for Women. Established by friends of the late Elizabeth K. Lawson, former Dean of Women. The amount of a loan is limited to \$50 for a period of ninety days. No interest will be charged if repaid within that period. To be eligible a student must be female and enrolled full-time. Application is made in the Office of Financial Aid.

Emergency Loan Fund. The amount of an Emergency Loan is limited to \$100 for a maximum period of ninety days. No interest will be charged if repaid within that period. To be eligible, a student must be in residence at the University at least one term and be in good standing. Application is made in the Office of Financial Aid.

Florence McAfee Loan Fund. Physical education majors and minors, alumnae, and staff established this fund in honor of the late Dr. Florence McAfee. Any woman student, either majoring or minoring in physical education, is eligible to borrow from the fund. When need arises, students should contact a member of the Physical Education staff.

Illinois Congress of Parents and Teachers Loan Fund. In September 1954 the Illinois Congress of Parents and Teachers established a loan fund of \$1,000. Loans from this fund on either a short- or long-term basis may be secured by an eligible student who is in training for the teaching profession. No interest will be charged if the money is repaid within one year of termination of enrollment. Interest then begins at three percent. Students should contact the office of Financial Aid for application forms.

Illinois Guaranteed Loan Program. The Illinois General Assembly has authorized an Illinois loan program to guarantee student loans made by commercial lenders. Maximum amounts to be borrowed are:

Undergraduates	\$2,500 per academic level
Graduates	5,000 per academic level
Program Maximum	25,000 (this total includes all undergraduate and graduate loans.)

Application forms and additional information about this program are available from participating lending institutions. Information can be obtained from the same institutions about the new loan programs for parents of dependent undergraduates and for independent undergraduates and all graduate students.

Journalism Loan Fund. Approval of the loan application is made by the Journalism Department. No interest.

Parents' Club Emergency Loan Fund. Established by the Eastern Illinois University Parents' Club. To be eligible, one must be a full-time student in good academic standing. Maximum loan is \$100, no interest is charged, and

maximum period of loan is ninety days. Application forms may be obtained in the Office of Financial Aid.

Mary Piper Rogers Student Loan Fund. Limited to graduate or undergraduate women, 25 years of age or older, and registered for a minimum of six hours for the semester in which they make application for the loan. Application is made in the Counseling Center.

Rotary Loan Fund. Established by a donation from the Charleston, Illinois, Rotary Club to assist International Students. Maximum loan is \$100 with no interest charged if repaid within ninety days. Application is made at the International Students Office.

The Russell Loan Fund. This fund was established by the family and friends in memory of Mrs. W. L. Russell to provide loans for needy women students. Inquiry may be made at the Office of Financial Aid.

Samelman Emergency Loan Fund. Limited to majors in any program administered by the Department of Geology-Geography. Approval of the loan application is determined by the Student Aid Committee of Geology-Geography.

Student Loan Fund. To be eligible for a Student Loan, a student must be a U.S. citizen, enrolled full-time, and be in good standing. Maximum loan to first term EIU enrollee \$50. Maximum amount for sophomore and junior year \$300; senior \$600. No borrower may owe more than \$600 at any one time. If amount of loan is \$100 or less and borrower has no other outstanding short-term loans, no interest will be charged until due date, and no co-signer will be required; 7% interest will be charged after due date. Any loan over \$100 or any loan less than \$100 for borrower who has another short-term loan will accrue interest of 2% until maturity and 7% thereafter. These loans must be co-signed also by a person employed full-time. Term of repayment shall not exceed one year after termination of enrollment.

The will of the late Dr. W. D. Morgan of Charleston gives to the Student Loan Fund the annual income from a share of his estate. An additional amount will be received at the death of certain heirs.

In 1934 there was left to the University by the will of the late John L. Whisnand of Charleston a portion of his estate as an endowment, the income from the endowment to be available for financial assistance to deserving students. The amount is in trust with the Charleston National Bank. Information and applications are available in the Office of Financial Aid.

William D. Miner Emergency Loan Fund. It was established by the Eastern Illinois University Veterans Association in honor of Dr. Miner, a long-time advisor to the association. To be eligible, a borrower must be an enrolled student, a U.S. citizen, and in good standing. Maximum loan is \$50 to non-veterans, \$100 to veterans. No interest charged if repaid within thirty days. Application forms are available in the Office of Financial Aid.

VETERANS BENEFITS

Vocational Rehabilitation (Chapter 31 U.S. Code)

Vocational Rehabilitation is a comprehensive educational program administered by the VA, open to veterans with a compensable, service-connected disability. A Vocational Rehabilitation Specialist is available to assist in this program. Though the monthly payments are slightly less than that of the regular GI Bill, all tuition and fees as well as necessary tools or supplies, are also provided.

In addition to the programs above, an extra allowance may be included if you or your parents are receiving a VA Pension check regularly.

Post-Viet Nam Era Veterans' Educational Assistance Program (Chapter 32 U.S. Code)

Individuals who entered active duty service after December 31, 1976 and who contributed to the VEAP while in the service, may be eligible to receive a monthly stipend while attending college. Contact the Veterans Office for details.

G.I. Bill (Chapter 34 U.S. Code)

Eastern Illinois University is an approved institution for Veterans Administration benefit programs. Those individuals who were on active duty before January 1, 1977, and have served more than 181 days of continuous active duty are eligible to receive VA's *Educational Assistance Allowance*, currently \$376/mo. for the single, full-time student, \$448/mo. for the married veteran, with additional allowances for other dependents. A veteran with 18 months of continuous active duty is entitled to receive this allowance for up to 45 months of full-time enrollment. A veteran is allowed 10 years from separation from active duty to complete this program.

Dependents Educational Assistance (Chapter 35 U.S. Code)

Also available is the *Dependent Educational Assistance*, for widows, widowers, and children of veterans who died as a result of a service-connected condition or veterans who carry a permanent and total disability. Payment under this program is the same as the rate for a single veteran, or \$376/mo. for a total of 45 months.

National Direct Student Loan Fund. The National Direct Student Loan Program was established by the Educational Amendments of 1972. Eastern Illinois University has been accepted as a participant in the program. Loans will be provided students in accordance with federal recommendations and regulations.

To be eligible, the student must demonstrate financial need, he/she must be enrolled as a full-time student or half-time student, and he/she must meet standards of satisfactory progress.

The amount of the loan will be determined by the University on the basis of availability of funds and the student's financial need. Application blanks should be obtained from the Director of Financial Aid.

Illinois Veterans Scholarship.

Any person who served in the armed forces of the United States after September 16, 1940, and prior to May 7, 1975, who at the time of entering such service was a resident of Illinois and has been honorably discharged, may be awarded a scholarship provided he/she has the required period of service. A veteran discharged after August 11, 1967, must have a minimum of one year's active service. If discharged prior to this date, he/she needs only an honorable separation from service. Application should be made by filing a photostatic copy of the discharge or separation papers with the Office of Veterans Services. This scholarship may be used concurrently with the GI Bill.

Once initiated, the 120 points of scholarship eligibility must be used within a twelve year period. The number of

points used per semester are prorated in accordance with the number of hours carried.

Military Scholarships must be registered with the Office of Veterans Services to be valid for use. Service personnel, eligible to use the scholarship, must furnish satisfactory documentation of Illinois citizenship.

Illinois Orphans Education Act

The Illinois Educational Benefits Act provides financial aid for children of certain deceased veterans and children of veterans who are totally and permanently disabled from a service-connected disability. Qualified students, ages 10 to 18, may receive up to \$150 a year with which to defray expenses. Application blanks and additional information may be obtained from the Department of Registration and Education, Springfield, Illinois, or from the Illinois Department of Veterans' Affairs, 1000 Broadway, Mattoon, Illinois 61938.

MIA/POW Scholarship. Any spouse, natural child, legally adopted child, or any step-child of a veteran or service person who has been declared by the U.S. Department of Defense or the U.S. Veterans Administration to be a prisoner of war, missing-in-action, have died as a result of a service-connected disability or be permanently disabled from service-connected causes with 100% disability and who, at the time of entering service was an Illinois resident or was an Illinois resident within six months of entering service shall be eligible for the scholarship. It covers tuition and activity fee. For further information contact the Department of Veterans' Affairs, 126 W. Jefferson St., Springfield, IL 62705.

OTHER FEDERAL PROGRAMS

Federal Educational Opportunity Grants

The Educational Amendments of 1972 established two federal grant programs. They are the Supplemental Educational Opportunity Grants and Basic Educational Opportunity Grants — now known as the Pell Grants. To be eligible, the student must be an undergraduate enrolled in an approved course and meet certain citizenship requirements.

The SUPPLEMENTAL EDUCATIONAL GRANT is intended to supplement other aids. Each EIU financial aid application submitted to the Office of Financial Aid is checked for possible eligibility of this grant.

The PELL GRANT (FORMERLY BEOG) provides for grants from \$200 to \$1900. The actual amount the student receives depends on the financial information reported on the application, whether the student is full-time or part-time, the length of enrollment, and the cost of education. Application forms are available at high schools, colleges, federal offices, social agencies, and the Office of Financial Aid.

College Work-Study Program

In addition to the regular student employment program, Eastern Illinois University has the Federal College Work-Study program available to those students who demonstrate sufficient financial need. There are approximately 400 approved positions in departments and administrative offices. Write to the Director of Financial Aid for information. See also Section II, Student Employment.

SATISFACTORY PROGRESS REQUIREMENTS

No student at Eastern Illinois University may receive financial aid from federal, state, and/or institutional sources in excess of ten semesters (or their equivalent) as an undergraduate and four semesters as a graduate. In addition, a student to receive aid must be enrolled for a minimum of six hours on the official count day to receive financial aid for that semester/term.

The exact Satisfactory Progress Requirements to receive Financial Aid may be obtained upon request from the Office of Financial Aid.

In the event of disqualification for aid, the appeals from such disqualification will be heard by a committee composed of:

- Vice President for Student Affairs
- Dean of Student Academic Services
- Director or Associate Director of Admissions
- One member of Academic Advisement Center
- One faculty member to be appointed by the Faculty Senate
- One student to be appointed by the Student Senate Registrar





IV. ADMISSION, READMISSION, ENROLLMENT AND ADVISEMENT

ADMISSION Policies

Applications for admission to the University may be obtained by writing to: Office of Admissions, Eastern Illinois University, Charleston, Illinois, 61920.

Acceptance of applications and granting of admissions are subject to completion of the application process (See Procedures for Applying for Admissions section). All beginning freshman applicants and all transfer student applicants with fewer than 15 semester hours of earned credit must have ACT or SAT scores submitted to the University. Completed applications should be on file no later than ten calendar days preceding registration for the term the student wishes to enroll. Since the University reserves the right to limit enrollment to available facilities and resources, earlier closing dates may be announced through the press.

Students who wish to attend the University are encouraged to include the following in their high school preparatory program, which will improve their chances of completing a degree program at the University: (1) as much English as possible, with special attention to the development of writing skills, (2) as much mathematics as possible, including at least algebra and geometry, (3) at least two years of history and social studies, (4) at least two years of science, including both biological and physical science, (5) study of a foreign language, and (6) study of humanities, including fine arts.

A Registration Permit to Enroll is mailed after an application has been processed and accepted. The Permit must be presented at the time the student enrolls. Housing applications must be sent to the Housing Office (See Living Accommodations section) and may be made at any time even though an Application For Admission has not been filed or accepted. The Application for Housing does not constitute an Application for Admission, nor does the Application for Admission constitute an Application for Housing. Early submission of applications for admission and housing are encouraged, particularly for the Fall Semester.

Beginning Freshman

The University will consider admission applications, dependent upon the availability of facilities and resources, from candidates who meet the following criteria:

Fall Semester: Candidates must rank in the upper half of their high school class based on six or more semesters or have a minimum ACT composite standard score of 19 (SAT of 820).

Spring Semester and Summer Terms: Candidates must rank in the upper two-thirds of their high school class based on six or more semesters or have a minimum ACT composite standard score of 17 (SAT of 760).

Out-of-State Freshman Applicants

Out-of-state applicants must meet the same admission requirements as those which must be met by Illinois high school students.

FUTURE REQUIREMENTS

The following requirements will be effective with students entering the University as first time freshmen beginning with the Fall Semester of 1988:

1. Four years of English, emphasizing composition, grammar, and literature. As much as one year of the English requirement may be satisfied by one year of a foreign language or two semesters in any combination of the following: drama, debate, public speaking, English, or journalism.

Rationale: To develop communication skills, particularly in writing effectively, in reading critically, in thinking and speaking clearly, in analyzing and synthesizing ideas and concepts which are not quantitative in nature.

2. Two years of mathematics, including one year of algebra and one year of either geometry or advanced mathematics.

Rationale: To develop skills in working with concepts and information which is quantifiable, in seeing spatial relationships, in thinking sequentially and logically;

and to provide the background necessary for successful study in most curricula in the University.

3. Two years of natural science.

Rationale: To develop an understanding of the scope of science; to improve deductive and inductive reasoning; and to increase one's understanding of the forces at work in the physical and biological world.

4. Two years of social science, including one year of United States history and/or government.

Rationale: To develop an understanding of how people function in groups, how cultures are formed, and how social, political, and economic systems affect the life of the individual; to develop an appreciation of the struggles and forces which have produced modern America and are helping to shape its future directions.

Transfer Students

An applicant who has attended one or more other colleges or universities and who has accumulated at least 15 semester hours of credit may be admitted to the University in good standing provided the student has a cumulative grade-point average of 2.00 (4.00 grading system) based on all work attempted as well as a 2.00 cumulative grade-point average from the last institution attended. Transfer applicants with fewer than 15 semester hours of earned credit must also meet the beginning freshman admission requirements.

Special Students

High School Students: Students who have completed the junior year in a recognized high school, who have twelve acceptable units, who rank in the upper twenty-five per cent of their high school class, and who have the recommendation of their principal may apply to take not more than eight semester hours during the summer term preceding their senior year in high school and not more than four semester hours in a regular semester during their senior year in high school. Credits which the student earns under this arrangement are held in escrow and later applied toward graduation at Eastern Illinois University. Students are cautioned that such credit may not be acceptable to, or transferable to, other educational institutions.

Non-Graduates of High School: Residents of Illinois who are not graduates of recognized high schools but who are at least eighteen years old may be admitted as special students to take such undergraduate courses as they may be qualified to study, but they may not be considered candidates for a degree or diploma. Special students may become candidates for a degree by passing the General Education Development Test and obtaining a High School Equivalency Certificate; in this case, only those college courses taken after passing the examination may be counted toward graduation.

The Summer Guest Student Policy

The Summer Guest Student is one who is not seeking a degree at Eastern Illinois University and is not a former Eastern student, but wishes to take undergraduate or graduate courses for credit in the summer. The Summer Guest Student is permitted to apply without official transcript(s) to the Office of Admissions (if undergraduate student) or the Graduate School (if graduate student), but is required to sign a Disclaimer Statement at the time of admission on campus. Each summer a student wishes to enroll as a Summer Guest Student, he/she must fill out the Summer Guest Student Application and sign the Dis-

claimer Statement. The completed form is to be returned to the Office of Admissions if applying as an undergraduate or to the Graduate School if applying as a graduate student.

Prescriptive Curriculum Admission Program (PCAP)

The PCAP is designed for beginning freshmen who do not meet regular admission requirements and provides a special opportunity for those with educationally deprived backgrounds to succeed in obtaining a college education. The PCAP is not remedial or conditional, includes only regularly offered University courses, and the number of students accepted into this program is limited by available resources.

A student applying for the PCAP must submit an official seventh semester high school transcript which verifies a cumulative grade-point average of at least 2.00 (C) on a four-point scale, ACT or SAT test scores, two letters of recommendation from high school counselors or teachers indicating academic potential, and a written statement prepared by the candidate indicating reasons why he or she wishes to be admitted to the PCAP and attend Eastern Illinois University. Special application forms must be obtained from the Office of Admissions. Applications may be submitted for any term and will be evaluated and accepted on a space-available basis.

Students accepted into the PCAP may be required to take diagnostic tests, attend special assistance laboratories, and must follow an academic program prescribed by the Academic Assistance Center. The prescribed program includes completion of an all-University requirement (English 1000 may be substituted) and at least one general education distribution requirement during the initial enrollment period. PCAP students must enroll in a minimum of six prescribed semester hours during a summer term and a minimum of twelve prescribed semester hours during a regular semester. Students must complete courses in which they are enrolled unless authorized by the Academic Assistance Center to withdraw.

PCAP students are subject to the same standards for academic probation and dismissal as regular students, except that failure to follow the prescribed program may result in dismissal. PCAP students who have a cumulative grade-point average of 2.00 or above after two semesters (or two semesters and a summer term) at the University may leave the program and continue in the University as regular students.

International Students

Students from areas outside the United States may be considered for admission by submitting a completed International Student Application. An application may be obtained by writing the Office of Admissions.

Students whose native language is not English or whose college preparatory work has been done in non-English speaking schools, must present scores on the Test of English as a Foreign Language, administered by the College Entrance Examination Board and the Education Testing Service. The admission requirement is a minimum score of 550 on the TOEFL.

Graduate Students

See Graduate Catalog.

PROCEDURES FOR APPLYING FOR ADMISSION

Beginning Freshmen:

1. Obtain an application for admission after the fifth semester from:
Office of Admissions
Eastern Illinois University
Charleston, Illinois 61920
2. Complete the application form and give it to the high school principal or guidance counselor who will complete the form and return it to the University *after the sixth semester rank is available*. The final high school transcript is required when available.
3. Each student applying for admission must submit scores from the ACT or SAT. Complete information concerning the ACT or SAT may be obtained from the high school guidance counselor or principal. It is strongly recommended that this test be taken during the junior year in high school for applicants who desire early notification of acceptance. All test results should be forwarded directly from the testing agency. Scores forwarded from the high school are not acceptable.
4. Students whose native language is not English or whose college preparatory work has been done in a non-English speaking school, must present scores on the Test of English as a Foreign Language (TOEFL), administered by the College Entrance Examination Board and the Educational Testing Service (ETS).

Transfer Students:

Transfer Students must complete the application form obtained from the Office of Admissions.

A transfer applicant need not provide a high school transcript or ACT or SAT scores. All transfer applicants, however, must request all colleges and universities previously attended to forward official transcripts to the Office of Admissions.

Graduate students should see the Graduate Catalog.

READMISSION

Former Undergraduate Students

Former undergraduate students who are academically eligible and wish to return to the University after a lapse of one or more semesters should make application for readmission to the Records Office at least ten calendar days prior to the official registration day of the term in which they intend to enroll. An earlier closing date may be announced in the public press. Students enrolled in the Spring Semester need not apply for readmission for the ensuing Fall Semester.

Former undergraduate students who have attended other colleges or universities since last attending Eastern Illinois University must be in good academic standing (minimum of 2.00 on a 4.00 scale) and must have official transcripts sent to the Records Office before final processing of the application can be completed. If the student is attending another college or university at the time of applying for readmission, a statement of good standing from that institution will suffice until the official transcript can be sent at the end of the term.

Former undergraduate students dismissed for low scholarship must remain out of the University for at least one regular semester (Summer Term excluded). At the end

of this period, students will be automatically eligible for reinstatement and may re-enter the University provided they indicate their intentions to do so prior to established deadlines. Reinstated students re-enter the University with the cumulative GPA they had upon dismissal and are placed on academic probation. This probationary status will continue so long as the student satisfies the conditions specified in the section on "Academic Probation." Students failing to make satisfactory progress are dismissed again and may not be reinstated a second time except by approval of the Committee on Reinstatement. Petitions for reinstatement must be submitted at least twenty days prior to the official registration day of the term in which the student wishes to enroll. An earlier closing date may be announced in the public press.

A former undergraduate student dismissed for low scholarship who has then attended another institution or other institutions may be readmitted provided that (1) his/her composite cumulative GPA in all other college work attempted is 2.00 or above and (2) his/her GPA at the last institution attended is 2.00 or above. The two conditions listed above apply to institutions attended and work taken subsequent to dismissal from Eastern Illinois University.

A former undergraduate student dismissed for low scholarship should consider taking advantage of the academic assistance services offered by the University. A description of these services appears on page 00.

Former Students Who Have Graduated

Former students who have graduated and who return to the University after a lapse of one or more semesters should make application for readmission to the Records Office at least ten calendar days prior to the official registration day of the term in which they intend to enroll. An earlier closing date may be announced in the public press. *Students not previously admitted to Graduate School must also apply for admission to the Graduate School.*

REGISTRATION

Registration Procedures

New Students. Instructions for the registration of new students are given in writing, in conferences, and at meetings during orientation periods.

Students Currently Enrolled. Each student currently enrolled should submit a Course Request Card for early registration for the following term. By doing so, the student agrees to complete his/her registration by advance payment of all fees. The University assumes no responsibility for accepting an ineligible student's early registration. Reservation of a space for any class is subject to the assigned capacity of the class. Scheduling for the reservation of space is planned so that graduate students, seniors, juniors, sophomores, and freshmen are assigned space in that order. Students who fail to complete the various steps, including payment of fees, in early registration will forfeit the space in class which has been reserved for them.

All students who have not completed early registration for a given term will register at times announced in advance of each term.

Former Students. Students who return to the University after a lapse of one or more semesters receive written instructions for registration procedures after they have applied for readmission.

ACADEMIC ASSISTANCE

New Students

Each new student is assigned to an advisor who assists him/her in the preparation of his/her academic program. During the orientation or enrollment days the advisor and the student plan the program jointly.

It is expected that the student will have selected one of the curricula of the University and that the student and his/her advisor will plan courses that are consistent with the University requirements.

Former Students

After the application for readmission has been approved, the student is assigned to his/her major department or his/her former advisor through the Registration Office.

Students Changing Majors

Students who wish to change majors or degrees should apply through the Office of the Dean, Student Academic Services, after consultation with their advisors. It is important that changes be made *before pre-enrollment*.

NEW STUDENT ORIENTATION

Prior to enrollment, activities are scheduled to acquaint new students with the University. Undergraduates enrolling at Eastern Illinois University for the first time, whether as first term freshmen or as students with advanced standing, are required to be present. Activities are planned to familiarize them with the University in order that they may understand its rules and regulations and become aware of the educational, social, and recreational opportunities it provides. A schedule of activities is provided by mail.

NATIVE STUDENT

The University defines a native student as one whose initial college/university enrollment was as a beginning freshman at Eastern Illinois University.



V. ACADEMIC REGULATIONS AND REQUIREMENTS

CREDIT

Credit Earned at Eastern Illinois University

The unit of credit measure is the semester hour which approximates the effort expended in 50 minutes of class work and 100 minutes of study during each week of a semester.

Generally, students may count toward graduation no more than four semester hours credit in theatre practicum, chorus, orchestra, band, and four semester hours in physical education activity courses. However, music majors and minors may count six semester hours in music ensemble activities; physical education majors and minors and recreation majors may count six semester hours in physical education activity courses.

Acceptance of Credit for Other Work

Credit for courses in Other Colleges and Universities. Advanced standing and transfer credit are granted for courses passed in accredited* colleges and universities. Transfer students will have met the all-University requirements if they have **acceptable** transfer courses equivalent to the following:

English courses totaling at least six semester hours (in composition, composition and literature, or the equivalent), a speech course of at least two semester hours, and a mathematics course or courses totaling three semester hours.

A student transferring from an Illinois public community college with an A.A. or A.S. (baccalaureate-oriented) degree will enter in good standing as a junior with all general education requirements met. This provision is applicable to a former Eastern Illinois University student if (1) the initial term of enrollment at Eastern was Summer 1982 or thereafter, (2) the total semester hours earned at Eastern does not exceed fifteen, and (3) the cumulative Eastern grade-point average is 2.00 (C) or higher. Because major requirements may vary, students covered by this provision will not necessarily graduate with only an additional 60 semester hours of academic work.

The University will accept in transfer all appropriate hours earned in accredited institutions. Regardless of the number of hours accepted, however, a student must earn

a minimum of 56 semester hours in a senior institution or institutions, 42 of which must be earned at Eastern Illinois University, in order to qualify for a baccalaureate degree. See *Requirements for the Bachelor's Degree* for additional information.

Credit from a College or University Taken While a High School Student. A student who, while in high school, takes college courses at or through the auspices of a college or university, and upon completion of high school qualifies and enters Eastern Illinois University, will have up to 24 semester hours accepted for transfer credit of appropriate college courses in which he/she did "C" or better work in each course in the college, provided the college courses were not used to meet minimum high school graduation requirements.

Credit for Military Service. Members and former members of the armed services who have completed at least one calendar year of full time active duty are allowed, upon application to the office of Veterans Services, up to six semester hours of credit for Health Education 1200 and physical education service courses. Certain experiences in military service may be submitted to the Records Office for evaluation for advanced standing. The recommendations contained in "A Guide To the Evaluation of Educational Experiences in the Armed Services" by the American Council on Education are used as a basis for such evaluation. Credit is allowed when the recommendations can be considered as reasonable substitutes for work ordinarily accepted by the University.

Credit for Correspondence and Extension Courses. Correspondence and extension courses taken from accredited colleges and universities may be submitted for evaluation for advanced standing toward a baccalaureate degree. The total credit accepted toward graduation may not exceed 32 semester hours in correspondence and/or extension courses. Credit toward graduation for such courses, if taken in whole or in part during a period of residence study at Eastern Illinois University is subject to permission granted by the Registrar, in advance of enrollment and to subsequent completion in accordance with the conditions governing the permission. When students are enrolled simultaneously in any combination of residence, extension, and correspondence courses, the total credit accepted may not exceed the maximum residence credit for which the student would be eligible during the period in question. Credit received in Eastern

*Accredited is defined to include only the North Central Association or other regional accrediting agencies.

Illinois University courses taught by Eastern Illinois University staff members, either on or off campus, may be counted as credit in residence.

Application for permission must include the proposed starting date of the course, the proposed completion date, and the proposed periods of work. If the course is not completed in accordance with this schedule, an extension of time granted by the Registrar is required in order for the course to be considered subsequently for credit toward a degree. Documentary verification of compliance with the regulations may be required by the Registrar.

Credit for Nationally Standardized Tests. Students who submit scores for Advanced Placement Tests and/or College Level Examination Program (CLEP) Tests administered by the College Entrance Examination Board and/or Proficiency Examination Program (PEP) tests administered by the American College Testing Program will have their records evaluated by the Registrar in accordance with standards established by the appropriate departments to determine proper placement and credit. College credit granted will be treated as credit without a grade; such credit will count toward graduation and may be used in fulfilling requirements. Credit may be allowed as indicated above only if the student was not obliged to use the credit to meet minimum high school graduation requirements.

Students should check with the Registrar or with Testing to determine which Advanced Placement Tests, CLEP Subject Exams, and PEP Exams are honored by Eastern Illinois University and whether essay portions of the exams are required. Only the National Sciences test and the Humanities test of the CLEP General Exams may carry credit.

Students who enroll at Eastern Illinois University with transfer credits, CLEP scores, PEP scores, and/or Advanced Placement scores may be given credit only in those areas not duplicating credit.

CREDIT BY PROFICIENCY EXAMINATIONS

Proficiency examinations, if approved by an academic department, offer the student an opportunity to obtain credit for experience relevant to certain courses, for individual study of subjects, or for study of relevant courses in non-accredited institutions.

Credit by proficiency examination in a course is equivalent to credit earned by enrollment in that course for purposes of satisfying a major requirement, a minor requirement, a general education requirement, the advanced credit requirement, and the total hours for a baccalaureate degree requirement. It does not apply toward any residence requirement, and is not included in determining honors, probation, GPA, etc.

Proficiency examinations for credit in undergraduate courses are given in accordance with the following rules:

1. The student who desires such credit must first report to the Records Office and complete an application.
2. The applicant must be in good academic standing at Eastern Illinois University.
3. Generally the applicant must be enrolled as a student in the University at the time the application is filed.
4. The applicant may apply only once for a proficiency examination in a given course in a given subject.

5. An applicant is not eligible for credit by proficiency examination in a given course in a given subject if any one or more of the following conditions is satisfied:
 - a. The course is a physical education service course.
 - b. The course is a foreign language course numbered below 3000 and the applicant is a native speaker of the language.
 - c. There is an entry on the applicant's permanent record for that course.
 - d. The course substantially duplicates one or more courses accepted for college entrance or for transfer of credit.
 - e. The applicant has credit in one or more courses in that subject more advanced than the given course.
 - f. The applicant is currently enrolled in the course or in a course more advanced than the given course and more than one month of the semester has passed.
6. The Registrar checks the application, if appropriate, certifies the eligibility of the applicant for the requested examination, and returns the application to the applicant. If ineligible, he/she returns the application with an indication of the reason for the applicant's ineligibility.
7. The non-refundable fee for a proficiency examination is \$10/semester hour; the exam must be taken within two weeks from the date of paying the fee.
8. An eligible applicant must obtain the approval of the appropriate department chairperson before the examination is taken. Generally such approval is contingent upon presentation of evidence of independent study, relevant experience, or relevant study in non-accredited institutions.
9. If the course is ordinarily taught by more than one member of the faculty, a committee of at least two members is appointed by the department chairperson to give the examination and assign the grade. The examination must be comprehensive, and for approval of proficiency credit the grade must be "C" or higher.
10. The application form is completed and forwarded through the department chairperson and dean to the Registrar.
11. Credit by proficiency examination is entered on the permanent record with "Cr" as the grade entry.

UNDERGRADUATE INTERNSHIP EXPERIENCE FOR ACADEMIC CREDIT

An internship is a work experience related to the student's major or approved minor. This work experience must be directly related to the potential professional opportunities for graduates with the major or minor. While internships may vary in duration, credit, and requirements, a minimum of one week of full-time employment is required for each semester hour of credit. Therefore, the maximum number of semester hours of credit for an internship is 15 for a regular semester. All internships will be graded on a credit-no credit basis.

Students wishing to register for an internship must secure a form from the department chairperson or division head. Working with a faculty advisor the student makes arrangements for the work experience and fills out the form. The form is then returned to the chairperson or division head for his/her approval *prior to the last day of central registration for a given term*. **Note:** No more than three semester hours of credit may be earned toward a minor.

Independent Study. Independent study enables a student to pursue individual research and reading in a field of special interest under the guidance of a faculty member. As an independent study involves relatively self-directed student effort in the pursuit of some clearly defined goals, it is important for the student to specify the learning objectives of the study. A proposal for an independent study project must be accepted in advance by the faculty member who agrees to serve as the project advisor. The project must also be submitted to the department chairperson for approval prior to the student's registration. **Note:** No more than three semester hours may be earned toward a minor.

CLASSIFICATION OF STUDENTS

Undergraduate students are classified as follows:

Freshmen	0-29 semester hours
Sophomores	30-59 semester hours
Juniors	60-89 semester hours
Seniors	90 and above semester hours

Graduate students are those students who have completed a bachelor's degree from an accredited institution.

ACADEMIC STANDING

Grades

The grades given in courses are as follows:

Grade	Description	Grade Point Value	Grade	Description	Grade Point Value
A	Excellent	4	I	Incomplete	—
B	Good	3	W	Withdrew —	—
C	Average	2		No Grade	—
D	Poor but Passed	1	WP	Withdrew —	—
				Passing	—
F	Failed	0	WF	Withdrew —	0
CR	Credit	—		Failing	—
NC	No Credit	—	X	No Grade	—
AU	Audit	—		Submitted	—

The grade of "I" (formerly "E") for undergraduate students is given only when because of illness or some other important reason, a student's normal progress in a course is delayed. Such student must secure an instructor-approved plan which will allow completion of work no later than the end of the next grading period in which the student is in residence. If the plan is accomplished, the instructor submits a Removal of Incomplete Form indicating the appropriate grade. Records Office will cause the Incomplete to be changed to an "F" grade unless the instructor has submitted a time extension in writing.

The grade of "I" (formerly "E") for graduate students is given only when, because of illness or some other important reason, a student's normal progress in a course is delayed. A student receiving a grade of "I" must prepare an instructor-approved plan which will allow completion of the work no later than the end of the next grading period in which the student is in residence or one calendar year from the end of the term in which the grade of "I" was

received, whichever is sooner. If the plan is accomplished, the instructor will submit a Removal of Incomplete Form indicating the appropriate grade. If the plan is not accomplished and the instructor has not submitted a request in writing to the Records Office for a time extension, the student will not be afforded the opportunity to complete the requirements necessary to receive a grade in the course, and the grade of "I" will be permanently recorded. An instructor who anticipates being away from campus for any period immediately following the term in which the grade of "I" was awarded should leave a copy of the approved plan with the appropriate department chairperson.

A graduate student may repeat for credit any graduate course in which the grade of "I" is permanently recorded. This requirement applies to all courses taken for graduate credit with the exception that the time restriction does not apply to formal papers or research required for degrees beyond the baccalaureate. For thesis and field experience papers, the grade of "I" will be recorded until the completed paper is on deposit in the Library.

Grades Changed

Requests to change assigned grades and grade appeals must be initiated by the student through the appropriate instructor no later than the end of the first four weeks of the grading period following the one for which the assigned grade was recorded.

Grade Point Average¹

The number of grade points for a grade in a given course is found by multiplying the grade-point value, by the number of semester hours which may be earned in the course. The cumulative grade-point average is computed by dividing the total number of grade points which a student has earned in all courses taken at Eastern Illinois University by the total number of semester hours represented by those courses (excluding courses in which a student has grades of "I," "CR," "NC," "W," "WP," "AU," or "X").

A student reinstated following academic dismissal has the same cumulative GPA status as he/she had at the time of dismissal.

Definition of Grading Period

Any semester or summer term in which a student registers in the University and remains beyond the day on which the official count is taken will be considered a grading period attended.

Good Standing

A student whose cumulative grade-point average is at least 2.00 in courses taken at this University is in academic good standing.

Academic Probation

If at the end of a grading period (semester or summer term), a student's cumulative grade point average, in

¹An example of these computations: If grades of "A," "B," "C," "D," and "F" are earned in courses of 2, 3, 4, 1, and 3 semester hours respectively, the grade-point average is computed as follows: Grade "A," 2 semester hours yields a grade-point total of 8; grade "B," 3 semester hours yields a grade-point total of 9; grade "C," 4 semester hours yields a grade-point total of 8; grade "D," 1 semester hour yields 1 grade point; grade "F," 3 semester hours yields no grade points; and the grand totals are 26 grade points for 13 semester hours. The GPA is then $26 \div 13 = 2.00$.

courses taken at the University falls below 2.00, but not so low as to warrant academic dismissal, that student will be placed on academic probation. This probationary status will continue for subsequent grading periods until the student achieves good standing or is dismissed for poor scholarship. A student may remain in the University on probation only as long as that student is making satisfactory progress (as defined below) in raising his/her cumulative grade point average toward the 2.00 required for good standing. To demonstrate satisfactory progress, the student must register for no more than 16 hours per semester (no more than 10 hours in a combination of intercession, eight week session, or five week session) and must meet the following GPA requirements:

If the student's cumulative GPA at the beginning of a grading period is:	Then the minimum GPA for that grading period must be:
1.60-1.99	2.10
1.00-1.59	2.18
0.00-0.99	2.25

Minimum GPAs for subsequent grading periods on probation are adjusted to the student's most recent cumulative grade point average. A grading period during which a student officially withdraws from all courses or from the University and receives only grades of "W" or "WP" will not be counted as a grading period of academic probation.

Academic Dismissal

A student is dismissed for poor scholarship if: (1) at the end of any grading period (semester or summer term) the student's GPA is 0.00 and the cumulative GPA is below 2.00; or (2) at the end of any grading period the student on academic probation fails to make satisfactory progress toward the 2.00 required for good standing as defined above in the section on "Academic Probation."

Reinstatement Following Academic Dismissal

Students dismissed for poor scholarship must remain out of the University for at least one regular semester. At the end of this period, students will be automatically eligible for reinstatement and may re-enter the University provided they indicate their intentions to do so prior to established deadlines. Reinstated students re-enter the University with the cumulative GPA they had upon dismissal and are placed on academic probation. This probationary status will continue so long as the student satisfies the conditions specified in the section on "Academic Probation." Students failing to make satisfactory progress are dismissed and may not be reinstated a second time except by approval of the Committee on Reinstatement.

Post Baccalaureate Degree Students

A post-bachelor's degree student who is enrolled either part-time or full-time for courses in the University and who is not a degree candidate must achieve the following grade-point average or be subject to academic dismissal:

Total Hours Attempted Beyond Bachelor's	Minimum GPA
0-3	1.00
4-10	1.50
11-16	1.75
17 and above	2.00

ACADEMIC INTEGRITY

It is assumed that students will honor the tradition of academic honesty. Should incidents of suspected classroom cheating or plagiarism occur, however, the following steps will be taken:

1. The instructor who has witnessed academic dishonesty or who has other evidence that academic dishonesty has occurred will confront the student to inform him/her of the allegation. Time permitting, the instructor will contact the Judicial Affairs Office prior to talking with the student. If the student admits the violation, the instructor will assess an appropriate academic penalty and will inform the Judicial Affairs Office using an Academic Misconduct Incident Report form.
2. If the student disputes the allegation, or if a sanction greater than a failing grade for the course is warranted, a hearing will be provided by the Judicial Affairs Office in accordance with provisions of the Student Conduct Code. If as a result of the hearing the student is found responsible for the violation, the instructor will assess an appropriate academic penalty. Other sanctions such as probationary status or separation from the institution can be imposed by the University's disciplinary system. Full conditions and explanations are cited in the Student Conduct Code.

ACADEMIC LOAD

For purposes of certifying that a student is full time *academically*, such student must be enrolled for at least 12 semester hours each semester and at least six semester hours during a summer term.

Undergraduate Student In Good Standing

Normal Load. The normal load during a semester is 15-18 semester hours.

Maximum Load — Student Teaching Semester. Students may enroll for no more than 15 semester hours during the semester in which they do student teaching except Special Education majors and Junior High Education majors with a Field II in Special Education who may enroll for a maximum of 16 semester hours.

Summer Term. The normal load during an eight-week summer term is 10 semester hours, during the five-week session is six semester hours, and during the intercession is five semester hours. A student may take 15 semester hours in a combination of the intercession and the eight-week term, 11 semester hours in a combination of the intercession and the five-week term, a total of 10 semester hours in a combination of the eight-week term and the five-week term. Overloads are not permitted during the summer.

A student teacher may enroll for as many as 12 semester hours during a summer term providing the entire 12 semester hours are in Teaching Practicum.

A student may enroll for as many as 12 semester hours in a summer internship course providing the internship is a full-time experience of 10 weeks or more.

Semester Overload. An undergraduate student with a minimum of sophomore standing may enroll for up to and including 21 semester hours during the fall or spring semesters providing he/she has earned the following cumulative grade-point average at Eastern Illinois University.

Freshman	No overload
Sophomore	3.0
Junior	2.75
Senior	2.50

Senior with less than 2.50 with permission of the dean of the appropriate school/college.

NO STUDENT MAY ENROLL FOR MORE THAN 21 SEMESTER HOURS.

Concurrent Enrollment. The above academic load limits apply to a student who is concurrently enrolled at Eastern and another college or university.

Undergraduate Student on Probation

The maximum load for which an undergraduate student on probation may enroll is 16 hours during a semester.

An undergraduate student on probation may enroll for no more than 10 semester hours during an eight-week summer term, six semester hours during a five-week summer term, and five semester hours during an intersession. Such student is subject to a maximum of 10 semester hours for any combination of intersession, eight-week session and five-week session.

Graduate Student

A graduate student may take no more than 16 semester hours during a semester and ten semester hours during a summer term. This is exclusive of workshops or special courses held prior to or following either the summer term or a regular semester. Therefore, a graduate student may combine three semester hours in the intersession with ten semester hours in the summer term, making a total of 13 semester hours.

COURSE ENROLLMENT

A student may not enroll in, take a proficiency examination in, or repeat a course which is prerequisite for a course for which he/she has credit or which substantially duplicates, at a lower level, a course or courses which he/she has successfully completed. Should a student violate this regulation, he/she will not receive credit for the course toward graduation and the grade will not be included in any grade point computations.

REPEATING COURSES

All Students

Students may repeat courses in which grades of "D" or "F" (NOT "A", "B", or "C") were received and then subject to applicable regulations under the catalog heading "COURSE ENROLLMENT."

Students Enrolled Prior to Fall 1981

A student who receives a grade of "D" in an undergraduate course may repeat the course only once. A student who receives a grade of "F" may repeat the course until passed. The initial grade as well as grades received for repeats will be included in the computation of the cumulative grade point average.

Students Entering Fall 1981 and Thereafter

A student who receives a grade of "D" or "F" in an undergraduate course may repeat the course and, upon

request, have only the grade for the repeat included in the computation of the cumulative grade point average. The initial grade and the repeat grade will appear on the student's record. Grades for subsequent repeats of a course will appear both on the student's record *and* be included in the computation of the cumulative grade point average.

The course being repeated must be taken within the three grading periods of the student's residency following the grading period in which the original grade was earned or the next time the course is offered. The student must not have been enrolled in or received credit for, or be enrolled in, a course which is prerequisite for a course for which he/she has credit or may he/she repeat a course which substantially duplicates, at a lower level, a course or courses which he/she has already successfully completed.

AUDITING OF COURSES

Fees for auditing are the same as those for students taking an equivalent amount of work for credit.

Students enrolled for full-time academic work must include any courses they wish to audit as part of the maximum load permitted them; change of enrollment from "audit" to "credit" or from "credit" to "audit" may be made only during the six calendar days following the first day of classes.

Students must have the approval of the instructor for auditing a course. If, in the opinion of the instructor, student exposure and effort expended in the course deserve the entry of Audit, the student will receive the course entry, Audit, on his/her permanent record. If not, no entry will be made.

CLASS ATTENDANCE

Students are expected to attend their classes unless prevented by illness, an official University activity, or a recognized emergency. When students are absent from class for a legitimate reason that is established through the University Health Service or the Office of Student Personnel Services, they will be regarded as officially excused and given the opportunity to make up work missed, including examinations. Students who are absent from class, for whatever reason, are held responsible for the material covered during their absence.

When an absence is not officially excused, instructors have no obligation to permit students to make up work missed. At the beginning of each grading period, instructors will announce in writing their policies concerning make-up work and late work. Instructors who plan to use attendance directly in figuring the final grade must have written departmental approval and must indicate this intention and the reason in writing on the first day of classes.

If a student establishes a pattern or record of absences which becomes a matter of concern to the instructor, the instructor may notify the Office of Student Personnel Services, of the student's absence record, requesting that inquiries concerning the reason for absence be made.

FIELD TRIPS

Field trips which are required class activities are stated with the course description and announced in the class schedule when the course is offered. The cost of the field trip will also be included in the class schedule.

FINAL EXAMINATION CHANGES

A final examination schedule is published in the Official Notices of *The Daily Eastern News* several times during each semester or term. Students are urged to review the schedule early in the term to avoid conflicts.

Students with three final examinations scheduled on a single day may submit requests to change the date of one of the final examinations through the office of the Dean, Student Academic Services. Forms for such requests should be filed no later than five class days prior to the first final examination day of each term. Students should not request instructors to deviate from the published examination schedule. Requests for changes in times of final examinations, other than by reason of three in one day or medically related situations, will not ordinarily be approved.

CREDIT/NO CREDIT OPTION

To encourage students to participate in areas of learning outside their major interests and to stimulate intellectual curiosity, the University has the Credit/No Credit system. *To receive Credit (Cr), the grade must be C or better. A grade of D or F will carry No Credit (NC) designation.* The following rules apply.

Eligible Students. Sophomores, juniors, seniors.

Procedure. Credit/No Credit option request cards will be accepted by the Office of Registration during a period beginning with the first central registration day of a semester or term and ending with the last day on which add requests may be submitted. No change either to or from Credit/No Credit option will be permitted after the last day to submit add requests.

Limits. A maximum of twelve semester hours of undergraduate coursework may be taken Credit/No Credit with no more than one course in any single semester or term. For purposes of this regulation, the summer intersession and the regular summer session are considered a single term and only one course, therefore, may be taken Credit/No Credit in the combined sessions.

Courses offered on Credit/No Credit basis only as well as one physical education course per semester or term are not counted against the above limits. Furthermore, courses offered on Credit/No Credit basis only are exempt from the following exclusions.

Courses Excluded:

- English 1001, English 1002, Speech Communication 1310, EIU 4022, and the mathematics course used to fulfill the All-University mathematics requirement may not be taken Credit/No Credit.
- Professional education courses including departmental methods courses required in teacher certification programs may not be taken Credit/No Credit.
- Any course which qualifies as being applicable toward fulfillment of a given major or in the determination of the grade-point average in a given major, as specified in the major requirement description in the catalog, may not be taken Credit/No Credit by a student in that major irrespective of whether such student wishes to apply the course to the major or is taking it as an elective. (This exclusion is also applicable to minors.)

WITHDRAWAL FROM A COURSE

- Within the first ten class days of a semester, a student may withdraw from a course (or from the University) without a grade.
 - After the first ten class days, but prior to the 63rd calendar day of the semester, a student may withdraw from a course (or from the University) with a grade of "W."
 - A student who withdraws on or after the 63rd calendar day of a semester will receive a grade of "WP" if he/she is passing the course or a grade of "WF" if he/she is failing the course. However, no student may initiate withdrawal from a course (or from the University) later than a period beginning 35 calendar days prior to the first regularly scheduled final semester examination. Summer session cutoff dates, which are reduced proportionately, are established and announced by the Dean, Student Academic Services.
 - If mitigating circumstances exist, the Dean, Student Academic Services, may advise the recording of a grade of "W" instead of a grade of "WF."
 - The grade "WF" carries the same grade-point evaluation as the grade of "F."
- For refund of fees, where applicable, see Section III.

WITHDRAWAL FROM THE UNIVERSITY

A student who wishes to withdraw from the University before the end of a semester or summer term must obtain a withdrawal form from the Office of Student Personnel Services. Completion of this form will certify that all obligations, including the return of textbooks and library books, the return of departmental equipment loaned to the student, the return of the identification card, etc., have been met. When completed, the form must be returned to the Office of Student Personnel Services. The student is not withdrawn until the form is completed and submitted. The student is then officially withdrawn from the University, and the Registration Office notifies appropriate departments and agencies of the withdrawal.

Notice of intention to withdraw should be made in person although a letter addressed to the Office of Student Personnel Services, declaring intention to withdraw and postmarked within the stated period, is deemed equivalent to the initial notice.

Policies covering the withdrawal of students from school because of a call to active military duty are administered by the Dean, Student Academic Services.

Rules governing grading practices upon withdrawal from the University are the same as for withdrawal from a course.

GRADUATION REQUIREMENTS

Responsibility of Students

It is the responsibility of the student to know and to observe the requirements of his/her curriculum and the rules governing academic work. Although the advisor will attempt to help the student make wise decisions, the ultimate responsibility for meeting the requirements for graduation rests with the student.

Optional Catalog Requirements

A native student may choose to graduate under the requirements stated in the catalog current at the time of his/her entrance to the University or under the requirements stated in a subsequent catalog published prior to his/her graduation.

An undergraduate transfer student may choose to graduate under the requirements stated in the University catalog current at the time he or she initially enrolled at another college or university provided that catalog did not precede his/her enrollment at the University by more than three years. Such student may choose to graduate under subsequent catalogs on the same basis as native students.

In no case may a student combine or choose various requirements from several catalogs in order to achieve minimal curriculum. During periods of transition, deans, in consultation with department chairpersons, are authorized to make such curriculum adjustments to graduation plans as will insure academically meaningful programs. Copies of all such authorizations must be filed with the Records Office.

Requirements for the Bachelor's Degree

The official course requirements for baccalaureate degrees are given in Section VII. To achieve a baccalaureate degree, the student must:

1. Successfully complete at least 120 semester hours, exclusive of English 1000, General Studies 1000, and Music 0541, with a cumulative GPA of at least 2.00 in all courses attempted. Generally, students may count toward graduation no more than four semester hours in theatre practicum, chorus, orchestra or band and four semester hours in physical education activity courses. Music majors and minors may count six semester hours in music ensemble activities; physical education majors and minors and recreation majors may count six semester hours in physical education activity courses.
2. Successfully complete one of the degree programs outlined under the college or one of the schools and attain a minimum GPA of 2.00 in his/her major area. *A cumulative GPA of at least 2.25 is required for graduation from a teacher education program.*
3. Successfully complete at least 40 semester hours in upper division courses (3000-4000 numbered courses).
4. Earn a minimum of 42 semester hours in residence with a minimum of 32 in the junior and senior years, 12 of which must be in residence during the senior year. Cooperative degree candidates must complete 38 semester hours in residence.
5. Successfully complete an examination on the constitutions of the United States and the State of Illinois. This requirement may be met by successfully completing History 2010 or 4910 or Political Science (1103 and 2603), or 2011.
6. Successfully complete Health Education 1200 or a proficiency examination for Health Education 1200 (two semester hours credit, but no grade) or the Health Education Competency Examination (for which neither credit nor a grade is awarded). Candidates for teacher certification must have three semester hours of credit in health education and/or physical education.
7. ¹Successfully complete Senior Seminar consisting of a two-semester-hour course to be taken in an area outside the student's major. May not be taken Credit/No Credit.
8. ²Successfully complete the Writing Competency Examination which is to be taken after a student has sixty semester hours of credit, including credit for English 1001 and 1002.
9. A transfer student must successfully complete a minimum of 12 semester hours in residence in courses applicable to the GPA in his/her major discipline.
10. A transfer student must successfully complete a minimum of 56 semester hours applicable to a baccalaureate degree in senior institutions, with at least 42 semester hours earned at Eastern Illinois University.

Requirements for Two Bachelor's Degrees

A student will be awarded all degrees for which he/she has completed requirements, except that the Board of Governors B.A. degree may not be awarded simultaneously with another degree or awarded to a student who already holds a bachelor's degree.

Simultaneous Degrees: A student who is currently enrolled at Eastern Illinois University may apply for and receive two bachelor's degrees at the same time by making arrangements with the appropriate certifying dean(s). The degrees may be the same (e.g., two B.A. degrees) or different (e.g., a B.A. degree and a B.S. degree). All specified major requirements for both degrees must be met as well as the general requirements for the bachelor's degree. The program of study must include a minimum of 150 semester hours of courses with at least 60 of these hours in upper-division courses (3000-4000 courses) and with at least 72 of the 150 semester hours completed at Eastern Illinois University. *All requirements for both degrees must be completed at the time of graduation.*

Consecutive Degrees: A student who has already received a bachelor's degree from Eastern Illinois University, or from another regionally accredited college or university, may receive a second bachelor's degree from Eastern Illinois University. All specified major requirements for the second degree must be met, and the program of study completed for the second degree must include at least 30 semester hours of courses taken at Eastern Illinois University after the granting of the first degree. At least 20 of the 30 hours presented for the second degree must be upper-division courses (3000-4000 level courses) with at least 12 semester hours of work in courses applicable to determining the GPA (grade point average) in the major.

¹The requirement is a single two-semester-hour course that must be taken in an area outside of the student's major. The intent of the senior seminar is to expose the student to contemporary issues in an area impacting on society. The course will require participation in discussions, reading, and written assignments. The specific courses change each semester and individual sections are listed by title and instructor in each registration schedule.

²**Note:** Students completing cooperative degree programs, i.e., Engineering, Medical Technology, and Pre-Medicine, will be required to take the writing proficiency examination but will not be required to take a senior seminar.

Degree Major and Second Major

An undergraduate student shall indicate the major program for which the appropriate bachelor's degree will be awarded when all degree requirements have been met. This shall be recorded as the "degree major."

An undergraduate student who has declared a "degree major" may also earn a "second major" by completing the requirements for that second major as listed in the General Catalog. Only one degree will be awarded—that degree to be determined by the "degree major." Both majors will be listed on the student's transcript.

Depending on the degree requirements and the student's background, a "second major" may, in many cases, be earned with a minimum of 120 semester credits. However, in some cases a student may need to complete more than 120 semester credits to be entitled to the notation of the "second major."

It is the student's responsibility to indicate the "degree major" and a "second major," if any, at the time of application for graduation. Certification for graduation is a dual process: the dean responsible for the "second major" certifies that requirements for that major have been met; final responsibility for certification for graduation lies with the dean responsible for the "degree major."

Special Examinations

Seniors, depending upon their area of concentration, are encouraged to take one of the following examinations:

- For students in the Elementary and Junior High School Curriculum: The National Teacher Examination Core Battery Tests.
- For students in the Secondary School Curriculum: either the NTE or the GRE.
- Students who plan on attending graduate school are encouraged to contact the Graduate School Office for information concerning graduate school admissions tests. (GRE, GMAT, MAT, etc.)

Application for Graduation

Degrees are granted at the close of the fall and spring semesters and summer term. Students entitled to participate in commencement exercises are those whose current enrollment in correspondence, continuing education, and residence at this university or elsewhere makes possible the completion of all graduation requirements by the close of the semester or summer term in which commencement is held. Students may be excused from the commencement exercises by the Faculty Marshal.

Students should apply for graduation by the middle of the grading period in which they expect to complete the following semester hours of course work:

Elementary, Junior High School, Special Education, and Business Education majors	80
College of Business majors after admission to the College of Business	
Health Education, Physical Education and Recreation majors	80
Medical Technology majors	64
All other majors	70

A student may expect to receive from his/her school or college an evaluation of his/her progress toward completion of graduation requirements approximately one month after the beginning of the ensuing semester or term.

Applications for graduation may be obtained at the

Records Office. The application is completed by the student and validated by the Cashier when the non-refundable graduation fee is paid. Graduation fees are as follows: bachelor's degree, \$15; master's degree, \$20; specialist's degree, \$20. *These fees do not include the cost of cap and gown rental.*

All requirements for degrees must have been completed by the close of the grading period in which graduation is sought. It is the student's responsibility to notify the Records Office and the certifying dean of any courses being taken at other institutions which will complete the requirements for graduation. Documentary evidence that all degree requirements have been completed must be in the Records Office no later than the Friday immediately preceding the first day of registration for the next succeeding semester or term following the Summer Term of Fall Semester graduation and no later than May 31 following Spring Semester graduation. The diploma will not be given to the student and the conferral of the degree will not be recorded on the student's permanent record until all such documents have been received.

If the student does not complete graduation requirements at the end of the grading period, he/she must make re-application for graduation. No additional fees will be charged.

The deadline date for applying for graduation is listed in the University Catalog and/or class schedules.

Honors

Dean's List. The top 10% of each college with a grade point average of 3.5 or above in a semester will be on the Dean's List. In order to be eligible, the student must be carrying at least 12 semester hours during a semester of courses not graded Credit-No Credit and have a declared major.

Honors List. The top 10% of all undeclared majors with a grade point average of 3.5 or above in a semester will be on the Honors List. In order to be eligible, the student must be carrying at least 12 semester hours of courses not graded Credit-No Credit.

Dean's Lists and Honors Lists are not generated for Summer Terms.

Note: The calculation of grade point average for honors determination will be based only on work taken at Eastern Illinois University.

HONORS PROGRAM

Eastern Illinois University offers the talented student the opportunity to take part in two Honors Programs: University Honors, a lower-division program; and Departmental Honors, an upper-division program. Both University and Departmental Honors Programs offer students of superior academic ability an unusual opportunity to develop their potential for intellectual achievement. These programs are intended to aid students in developing such qualities as independence of mind by undertaking an enriched curriculum which provides in-depth studies.

University Honors

The University Honors Program is designed for those who begin as freshmen at Eastern. It will provide Honors sections of required General Education courses and upper division colloquia. Students must take a minimum of 25 hours in Honors courses which will substitute on a one-for-one basis for current General Education courses.

Departmental Honors

The Departmental Honors Program will permit all eligible students, including transfer students, to participate in this division of the Honors Program. All Departmental Honors Programs require a minimum of 12 hours of Departmental Honors credit. A senior thesis written under the supervision of Honors faculty is required.

Eligibility

University and Departmental Honors Programs may be open to students who meet at least two of the following criteria:

- ACT composite of 26 or higher, or SAT (combined Math and Verbal) or 1100 or higher.
- Upper 10% of high school graduating class.
- 3.5 grade point average (on a four-point scale) for at least 12 hours of coursework undertaken at Eastern Illinois University.
- The permission of the Director of the Honors Program for admission to University Honors; permission of the Director of the Honors Program and the Departmental Honors Coordinator for Departmental Honors.

Grading

Honors faculty grade students against norms established in regular classes. Students should be aware of the fact that as a result of this arrangement they will not be penalized for taking classes with other talented students. Further, the intellectual stimulation of excellent teachers and outstanding classmates, together with smaller classes, tend to be reflected in good grades.

Scholarships

Outstanding participants in the Honors Programs may be given limited one-time scholarships in recognition of their potential scholastic abilities.

Degrees with Distinction

To be eligible for a degree with distinction, a student must have completed at least 56 semester hours at Eastern Illinois University, including at least 40 semester hours of graded courses (exclusive of work taken on the Credit-No Credit Option). The 56 semester hours at Eastern Illinois University may *not* be waived.

Eligible students who have a cumulative grade point average of 3.90 to 4.00 are graduated **summa cum laude**; those with a cumulative grade point average of 3.80 through 3.89 are graduated **magna cum laude**; and those

with a cumulative grade point average of 3.65 through 3.79 are graduated **cum laude**. Students who qualify for degrees with distinction wear an appropriate tassel as part of their academic attire at commencement and their names appear in the commencement program as being awarded Degrees with Distinction. All grades earned at Eastern Illinois University are counted in computing the cumulative grade point average. Grades earned during the final grading period are not used for compiling the tentative list developed for commencement. Transcript notations of graduating **cum laude**, **magna cum laude**, and **summa cum laude** are based on the student's total cumulative grade point average, including the final grading period.

Note: The calculation of grade point average for degrees with distinction will be based **only** on work taken at Eastern Illinois University.

Teacher Certification

Candidates for certification as teachers, administrators, or school service personnel should apply for certification early in the term in which they will complete their requirements. The University, however, will not approve and release the application until all work actually has been completed and the student has met all requirements of the appropriate program and degree.

Placement Office

Registration with the Placement Office is recommended prior to graduation with any degree.

TRANSCRIPTS

The Records Office will make a transcript of the academic record of a student when requested to do so. Unless specific instructions are given to the contrary, it is understood that the Records Office has permission of the student to send his/her transcript of record to employing and certifying agencies, such as schools, boards of education, businesses, state department of education, when such an agency requests it.

All requests for transcripts must be in writing, either by letter or on the request form supplied by the Records Office.

The time required for preparation and mailing of transcripts varies; during enrollment and grading period end there may be a delay of several days.

A fee of \$2.00 is charged for each transcript issued. Transcripts will be issued only for students whose records are clear.



VI. CONTINUING EDUCATION

The Office of Continuing Education at Eastern Illinois University is committed to helping the citizens of Illinois meet their continuing education needs by providing off-campus credit courses at area centers including Chanute Air Force Base in Rantoul, Danville Area Community College in Danville, the Millikin Graduate Studies Center in Decatur, Olney Central College in Olney, and Salem High School in Salem.

As part of the University public service mission, the Office makes every attempt to respond to requests for off-campus credit courses from Educational Service Region superintendents, local education agencies, and other educational/governmental agencies. Requests should be directed to the Director, Office of Continuing Education.

CONTRACT-CREDIT COURSES

The Office of Continuing Education can develop special credit courses and workshops with educational and governmental agencies on a contractual basis. These special courses can be offered at locations convenient for the students involved. Please contact the Director, Office of Continuing Education, for details.

ADMISSION REQUIREMENTS

(See Section IV. Admission, Readmission, Enrollments, and Advisement.)

Students must meet the same criteria for admission to continuing education courses as is required for admission to on-campus courses.

ENROLLMENT PROCEDURES

Pre-enrollment in continuing education courses using a mail-in registration form is recommended. However, in some cases students may enroll at the first class meeting if space is available. Mail-in registration forms may be obtained from the campus or Chanute Air Force Base Continuing Education Office. See the continuing education schedule for complete details.

FEES

Continuing education fees are assessed at a per semester hour rate according to student classification (Lower Division, \$42.50; Upper Division, \$44.50; Graduate, \$48.00). The same fees apply to students who audit courses.

CREDIT FOR CONTINUING EDUCATION COURSES

Credit will be given upon successful completion of continuing education courses subject to approved university policies. Students may audit courses with permission of the instructor and with payment of the appropriate fees.

Credit received in Eastern Illinois University courses taught by Eastern Illinois University faculty, either on or off campus, will be counted as credit in residence.

SCHOLARSHIPS—WAIVERS

Scholarships and fee waivers must be validated by the appropriate office prior to use in off-campus courses. Contact the Director, Office of Continuing Education for information regarding waivers.

SCHEDULE OF CLASSES

The schedule of continuing education classes is printed and distributed each semester by the Office of Continuing

Education. Please address inquiries and requests for schedules to:

Office of Continuing Education
205 Old Main
Eastern Illinois University
Charleston, IL 61920

or telephone: (217) 581-5114.

CONFERENCES, WORKSHOPS, AND INSTITUTES

Conducting workshops, conferences and special programs is an integral part of the mission of the Office of Continuing Education. Each year the Office plans and manages a variety of non-credit courses, workshops, conferences, and institutes. The Office has professionals who provide program planning and development advice plus administrative and logistical support for handling seminars, short courses, workshops, conferences, and meetings of all sizes, either on or off campus. Please contact the Director to learn more about the design of programs to meet special needs.

To facilitate offering workshops and special courses for credit, the following numbers have been established for use by any school or department.

Undergraduate numbers:

(Dept) 3997 Special Course(1-3 sh)
(Dept) 3998 Workshop(1-3 sh)
(Dept) 3999 Workshop(1-3 sh)

Graduate/Undergraduate numbers:

(Dept) 4997 Special Course(1-3 sh)
(Dept) 4998 Workshop(1-3 sh)
(Dept) 4999 Workshop(1-3 sh)

Note: A maximum of six semester hours may be earned in 4997, 4998, 4999 in any Ed.S. program.



VII. UNDERGRADUATE DEGREES

RESPONSIBILITY OF STUDENTS

The requirements for each baccalaureate degree, and the majors (with options, if applicable), minors, and other specialized curricula for the degrees, are described in the sections which follow. The student has the ultimate responsibility to fulfill the requirements for the degree, to check his/her own eligibility to take courses, and to observe the academic rules governing his/her program. The advisor's role is to assist him/her in making important decisions.

DEGREES AND MAJORS

The University offers the following undergraduate degrees with appropriate majors and minors in its colleges and schools as indicated in the chart which follows.

UNDERGRADUATE FIELDS OF STUDY

Degree Programs, Majors, Minors, and Teacher Education Programs

Field of Study	School/College	Degree Major	Minor Available	Teacher Certification Option	
				Major	Minor
Accounting	Business	B.S.B.	—	—	—
Administrative Office Management	Business	B.S.B.	—	—	—
Adult Education (minor only)	Education	—	Yes	—	—
Afro-American Studies	Arts & Sciences	B.S.	Yes	—	Yes
Anthropology (minor only)	Arts & Sciences	—	Yes*	—	—
Art	Fine Arts	—	Yes	B.A.	—
Art History Option		B.A.	—	—	—
Art Studio Option		B.A.	—	—	—
Graphic Design Option		B.A.	—	—	—
Board of Governors B.A. Program		B.A.	—	B.A.	—
Botany	Arts & Sciences	B.S.	Yes	B.S.	—
Business Administration (minor only)	Business	—	Yes	—	—
Business Education	Business	—	—	B.S.Ed.	Yes (1)
Comprehensive Basic Business Option		—	—	B.S.Ed.	—
Comprehensive Secretarial Option		—	—	B.S.Ed.	—
Comprehensive Vocational Bus. Edu. Option		—	—	B.S.Ed.	—
Career Occupations	Technology	B.S.	—	B.S.	—
Chemistry	Arts & Sciences	B.S.	Yes	B.S.	Yes
Chemistry Management Option		B.S.	—	—	—
Computational Mathematics	Arts & Sciences	B.S.	—	—	—
Computer Management	Business	B.S.B.	—	—	—
Creative Writing (minor only)	Arts & Sciences	—	Yes	—	—
Earth Science	Arts & Sciences	B.S.	Yes	—	Yes
Economics	Arts & Sciences	B.A.	Yes	—	(2)
Elementary Education	Education	—	—	—	—
Early Childhood Education Option		—	—	B.S.Ed.	—
Intermediate Education Option		—	—	B.S.Ed.	—
Comprehensive Elementary Edu. Option		—	—	B.S.Ed.	—
Engineering (Cooperative)	Arts & Sciences	B.S.	—	—	—
English	Arts & Sciences	B.A.	Yes	B.A.	Yes
Environmental Biology	Arts & Sciences	B.S.	—	—	—
Finance	Business	B.S.B.	—	—	—
French	Arts & Sciences	B.A.	Yes	B.A.	Yes
Geography	Arts & Sciences	B.S.	Yes	B.S.	Yes
Geology	Arts & Sciences	B.S.	Yes	—	—
German	Arts & Sciences	B.A.	Yes	B.A.	Yes
Health Education	Health, Physical	—	—	B.S.	Yes
Community Health Option	Ed & Recreation	B.S.	—	—	—
History	Arts & Sciences	B.A.	Yes	B.A.	Yes
Home Economics	Home Economics	—	Yes	B.S.	Yes
Dietetics Option		B.S.	—	—	—
Family Services Option		B.S.	—	—	—
Home Economics in Business Option		B.S.	—	—	—
Industrial Technology	Technology	B.S.	Yes	—	—
Journalism	Arts & Sciences	B.A.	Yes	—	Yes
Junior High School Education	Education	—	—	B.S.Ed.	—
Latin (minor only)	Arts & Sciences	—	—	—	Yes

Field of Study	School/College	Degree Major	Minor Available	Teacher Certification Option	
				Major	Minor
Management	Business	B.S.B.	—	—	—
Marketing	Business	B.S.B.	—	—	—
Mathematics	Arts & Sciences	B.A.	Yes	B.A.	Yes
Media Services (minor only)	Education	—	—	—	Yes
Medical Technology (Cooperative)	Arts & Sciences	B.S.	—	—	—
Military Science (minor only)	Technology	—	Yes	—	—
Music	Fine Arts	—	Yes	B.M.	Yes
Performance Option		B.M.	—	—	—
Theory-Composition Option		B.M.	—	—	—
Philosophy	Arts & Sciences	B.A.	Yes	—	—
Physical Education	Health, Physical	B.S.	—	B.S.	Yes
Athletic Trainership Option	Ed. & Recreation	B.S.	—	B.S.	—
Physics	Arts & Sciences	B.S.	Yes	B.S.	Yes
Management Option		B.S.	—	—	—
Political Science	Arts & Sciences	B.A.	Yes	B.A.*	(2)
Pre-Medicine (Cooperative)	Arts & Sciences	B.S.	—	—	—
Professional Writing (minor only)	Arts & Sciences	—	Yes	—	—
Psychology	Arts & Sciences	—	Yes	B.A.	Yes
Scientific Option		B.A.	—	—	—
Paraprofessional Option		B.A.	—	—	—
Public Relations (minor only)	Arts & Sciences	—	Yes	—	—
Recreation Administration	Health, Physical	B.S.	Yes	—	—
	Ed. & Recreation	—	—	—	Yes
Safety and Driver Education (minor only)	Health, Physical	—	—	—	Yes
	Ed. & Recreation	—	—	—	Yes
Social Science	Arts & Sciences	—	—	B.A.	Yes
Sociology	Arts & Sciences	B.A.	Yes	B.A.	(2)
Spanish	Arts & Sciences	B.A.	Yes	B.A.	Yes
Special Education	Education	—	—	—	—
Elementary Special Education Option (3)		—	—	B.S.Ed.	—
Secondary Special Edu. Option (3)		—	—	B.S.Ed.	—
Early Childhood-Behavior Disorders Option (3)		—	—	B.S.Ed.	—
Speech Communication	Arts & Sciences	B.A.	Yes	B.A.	Yes
Speech Pathology and Audiology	Arts & Sciences	B.S.	—	B.S. (4)	—
Technology Education	Technology	—	—	B.S.	Yes
Theatre Arts	Fine Arts	B.A.	—	B.A.	Yes
Zoology	Arts & Sciences	B.S.	Yes	B.S.	—

*in Social Studies.

(1) Minor options in Accountancy, General Business, Secretarial, and Typewriting-Accountancy.

(2) While teacher certification minors are not available in Economics, Political Science, and Sociology, a teacher certification minor in Social Science is available.

(3) Students majoring in Special Education must follow a program in Learning Disabilities, Educable Mentally Handicapped, or Behavior Disorders.

(4) The B.S. in Speech Pathology and Audiology is toward certification; the master's degree is necessary for teacher certification.

College of Applied Sciences

School of Home Economics

PROFESSIONAL PROGRAM

TEACHER PREPARATION PROGRAM

Candidates for the degree Bachelor of Science with a major in Home Economics Education must complete the professional education requirements for secondary teachers. The professional semester requirement includes nine semester hours of student teaching and six semester hours of field experience. See Teacher Education and Admission to Teacher Education under College of Education.

School of Technology

PROFESSIONAL PROGRAM

TEACHER PREPARATION PROGRAM

The candidate for the degree Bachelor of Science with a major in Technology Education must complete the professional education requirements for secondary teachers. See Teacher Education and Admission to Teacher Education under College of Education.

College of Arts and Sciences

GENERAL MISSION

The College of Arts and Sciences contributes to Eastern's goal of creating "broadly educated, responsible citizens who are prepared to serve and to lead in a free society" by providing expert instruction in the Humanities, Mathematics, the biological and physical sciences and the Social Studies. These subjects form the core of the general education component of the degrees conferred by Eastern Illinois University.

SPECIFIC PROGRAMS

The College of Arts and Sciences provides programs leading to the Bachelor of Arts in thirteen majors; ten of these majors along with Social Science are offered with a teacher certification option. The College provides programs leading to the Bachelor of Science degree in eleven majors; six of these majors are offered with a teacher certification option. Chemistry and Physics are offered with a management option. Cooperative Bachelor of Science degrees in engineering and medical technology are provided for students also. In addition to interdisciplinary minors in Afro-American Studies, Creative Writing, Professional Writing and Public Relations, the College offers minors in twenty disciplines. Fourteen of these minors along with Latin and Social Science are offered in the teacher certification program. Programs in the College are administered by seventeen academic departments and five studies committees.

DEGREE REQUIREMENTS

The candidate for a B.A. or B.S. degree must complete the general education requirements, the major requirements and the university requirements for graduation. Specific requirements for each major are listed under each discipline later in the catalog. No minor is required.

TEACHER EDUCATION PROGRAMS

The candidate for a B.A. or B.S. degree with teacher certification must complete the general education requirements, the university graduation requirements, the professional education requirements for secondary

education (see College of Education and Admission to Teacher Education) and:

1. for certification in one discipline (or area), the requirements specified for the teaching major in the chosen discipline.
2. for certification in more than one discipline, the requirements specified for the teaching major in one discipline, and the requirements specified for the teaching major or teaching minor(s) in additional disciplines.

COOPERATIVE PROGRAMS

The cooperative degree programs in Engineering and Medical Technology require completion of the general education requirements, the major requirements and the university requirements for graduation. In addition, engineering candidates must complete the degree program in engineering at the University of Illinois; medical technology candidates must complete the appropriate program in an affiliated hospital.

ADDITIONAL SERVICES

The College of Arts and Sciences provides special advisement for students interested in appropriate undergraduate preparation for entry into engineering or the legal and medical professions.

College of Business

PROFESSIONAL BUSINESS PROGRAM

ADMISSION TO THE COLLEGE OF BUSINESS

The College of Business limits the number of students who can declare majors and who can register for upper division courses, depending on resources available. Those wishing to select a business major are classified as pre-business until admitted to a major. Students with a declared non-business major that requires upper division business courses are admitted to courses on a proportional basis with business majors. Regardless of student status, all prerequisites for business classes must be met prior to attendance. To be eligible to make application for admission to a major in the College of Business the following requirements must be met:

1. Admitted to the University (ADMISSION TO THE UNIVERSITY DOES NOT GUARANTEE ADMISSION TO THE COLLEGE OF BUSINESS.)
2. Completed at least 42 semester hours
3. Completed at least three of the tool courses or their equivalent with at least a grade of "C" in each:
 - ACC 2100 Principles of Financial Accounting
 - ACC 2150 Principles of Managerial Accounting
 - DAP 2175 Computer Based Systems and Business Applications
 - MGT 2460 Business Law I
 - MGT 2810 Business Statistics I
4. Classified as a pre-business major

A student cannot be enrolled in any 3000 level business course at the time of application to the College of Business.

Application is made at the Office of Undergraduate Studies in Blair Hall, Room 101.

Students who have not yet met the requirements for application to a major in business will remain classified as pre-business and may make application when they meet application criteria.

Applicants must submit completed application forms on

or before the following deadlines in order to be considered for admission:

Term of Admission	Application Date	Notification Date
Fall	February 15 June 15*	March 1 July 1*
Spring	September 15	October 1
Summer	February 15	March 1

*For students not qualifying for application by February 15.

Admission is competitive and will be based on a ranking of overall grade point averages. Native students will be considered separately from transfer students. Any student with 17 or more credits accepted at EIU from another institution will be considered a transfer student for College of Business admission purposes. Transfer students who indicate on the application for admission to the University that they intend to major in the College of Business do not need to file a separate application if they satisfy the criteria of application for admission stated above. Those who meet the application criteria will be accepted pending successful completion of all admission criteria. Prior to final admission to the College of Business and a declared major students must complete:

1. 60 semester hours
2. All of the tool courses listed below with at least a grade of "C" in each:
 - ACC 2100 Principles of Financial Accounting
 - ACC 2150 Principles of Managerial Accounting
 - DAP 2175 Computer Based Systems and Business Applications
 - MGT 2460 Business Law I
 - MGT 2810 Business Statistics I

Students who do not meet the criteria for admission will continue in pre-business status and must initiate a new application for admission for reconsideration for a later term.

All business majors are required to meet with their assigned advisors before preregistration or registration. All other students wishing to pre-enroll in upper division business classes must have approval from the College Dean of the student's major. Students may enroll in an upper division business class a maximum of two times. Once enrolled in an upper division business class at EIU, that course will not be accepted by the College of Business in subsequent transfer from another college or university.

College of Education

TEACHER EDUCATION

Teacher preparation programs require admission to teacher education (see below), successful completion of general education courses and professional education courses, including student teaching (see Teaching Practicum, page 57), and specialized study of one or more disciplines which the student plans to teach. Upon completion of an approved program, teaching candidates are qualified to receive a bachelor's degree and to apply for an Illinois teaching certificate as follows:

Teaching Certificate	Degree
Standard Elementary Certificate Grades K through 9	B.S.Ed.
Standard High School Certificate Grades 6 through 12	B.A., B.S., B.S.Ed.
Standard Special Certificate Grades K through 12	B.A., B.Mus., B.S., B.S.Ed.

The curriculum for elementary school teaching leads to the B.S. in Education degree with a standard elementary certificate. (See requirements listed on page 66.)

The curriculum for special education leads to the B.S. in Education degree with a standard special certificate and either a standard elementary certificate or a standard high school certificate. (See requirements on pages 84 and 85.)

The curriculum for junior high school teaching leads to the B.S. in Education degree with a standard high school certificate. (See requirements on page 74.)

High school or secondary teaching candidates who wish to prepare for teaching may be awarded the B.A. or B.S. degree with teaching certification from the College of Arts and Sciences, the B.S. degree with teaching certification from the College of Health, Physical Education and Recreation, the B.S. degree with teaching certification from the School of Home Economics, the B.S. degree with teaching certification from the School of Technology, and the B.A. or B.Mus. degree with teaching certification from the College of Fine Arts. See requirements under the section on majors and minors.

The secondary teaching candidate may pursue one of several degree programs and should consult the department offering the program in which he/she desires to major. Disciplines which offer programs for high school teachers with a standard high school certificate are: Botany, Business Education, Career Occupation, Chemistry, English, French, German, Spanish, Geography, Health Education, History, Home Economics, Mathematics, Physical Education, Physics, Political Science, Psychology, Social Science, Sociology, Speech-Communication, Technology Education, Theatre Arts, and Zoology. Disciplines which offer programs for high school teachers with a standard special certificate are: Art, Special Education, Music, and Physical Education. All teaching candidates must take a course in U.S. history or U.S. government as well as three semester hours in health education and/or physical education.

Courses Required: All persons seeking standard high school or standard special certification listed in the preceding paragraph must complete either the Regular or Alternate Secondary Education Program listed below.

Regular Program Courses	Credit Hrs.
Psychology 2310	3
Educational Psychology 3325	3
Secondary Education 3330	3
Departmental Methods 3400*	3-6
Educational Foundation 4450	3
Special Education 3500 or Approved Department Course(s)	3
Student Teaching 4000 and 4001	12
	30-33 hrs.

*Exceptions to this course number are in art, business education, music, and occupational education.

ALTERNATE SECONDARY EDUCATION PROGRAM

This is an alternate program leading to a secondary certificate in all academic areas listed above. It is designed for those who prefer a non-traditional, competency-based approach emphasizing early experiences in public high school classrooms, self-paced instruction, and a Credit/No Credit grading system.

Courses Required: The following courses are required of all persons to complete the certification requirements:

Psychology 2310	3
Secondary Education 3000 ¹	3
Secondary Education 3100 ¹	3
Departmental Methods 3400 ²	3-6
Secondary Education 4000 ¹	14

(Includes 8-12 weeks Student Teaching)

26-29 hrs.

The ASEP program is an integrated, competency-based, teacher-like experience emphasizing early exposure to the public high school classrooms. Instruction is flexible with specific learning modules and a Credit/No Credit grading system. Pre-student teaching clinical (100 clock hours) included.

Further information concerning either program can be obtained from the Office of the Dean, College of Education.

Note for Transfer Students Who Pursue a Teacher Certification Program.

Although certain University general education requirements may be waived for transfer students who possess an A.A. or A.S. degree, students who desire graduation with teacher certification must meet all the course requirements of the desired certification program. In case of doubt concerning these requirements, consult the Dean, College of Education.

Admission To Teacher Education

Admission to the University does not of itself admit a student to a teacher education program. Rather, the teaching aspirant must formally apply for teacher education through the office of the Dean, College of Education, to the University Council on Teacher Education which determines such admission.

Application forms are secured at a meeting scheduled each semester by the College of Education. Dates of these meetings are posted in the Office of Clinical Experiences, Buzzard Education Building, and announced in the official notices of the *Eastern News*. At this meeting the rules and regulations pertaining to admission and retention in teacher education are explained and application forms distributed. Section 21-1 of the School Code of Illinois states in part, "No one shall be certified to teach or supervise at the public schools of the State of Illinois who is not of good character, good health, a citizen of the United States and at least 19 years of age . . ." In addition to the qualifications required for teacher certification by the State Code the following are required by the Council on Teacher Education:

1. A formal application must be made to the Office of Clinical Experiences and the appropriate academic major department or area. Applications should be made during the semester in which the student enrolls in a teacher certification program.
2. At least 60 semester hours of credit (minimum of 15 semester hours must be completed at Eastern Illinois University) before the student will be admitted to teacher education.

¹Courses must be taken in sequence but not necessarily in consecutive semesters.

²Exceptions to this course number are in art, business education, music, and occupational education.

3. A cumulative grade-point average of at least 2.25* based on all work attempted at Eastern Illinois University with a minimum grade-point average in the major of 2.25* at the time of admission to, and graduation from, the teacher education program.
4. Language proficiency as demonstrated by: a grade of at least "C" in each of English 1001, 1002, and Speech-Communication 1310, or their equivalents in transfer courses (a grade of at least "C" in each of English 1002 and Speech-Communication 1310 in the case of a student who is exempt from English 1001); OR a score of at least 500 on the verbal section of the General Test of the Graduate Record Examination.
5. A positive recommendation from the student's major department or committee administering the major. (The student should check with his/her major department for specific departmental requirements for admission.)
6. Clearance from the University Health Service and the Speech and Hearing Clinic regarding the person's ability to function in the classroom, based on health, speech, and hearing requirements.

A student who is refused admission to teacher education or whose admission is revoked may appeal the decision to a committee on teacher education. The decision of the committee is final. Appeal forms may be secured in the office of the Dean, College of Education.

Notes:

1. Students must be admitted to teacher education 10 weeks prior to the beginning of the student teaching term.
2. Students pursuing the Board of Governors degree who wish to qualify for a teaching certificate, must meet all the requirements of the University's approved teacher preparation program. This will include general education and professional education requirements, as well as the specific major requirements for the desired teaching field(s). In some cases it may be to the student's advantage to pursue a B.A., B.S., B.S. in Education, or B. of Music degree instead. Before committing themselves, students should consult both the Coordinator of the B.O.G.-B.A. program and the Certification Officers in the College of Education.
3. Post baccalaureate students seeking admission to teacher education must have a 3.00 grade-point average for 12 semester hours of graduate level courses (5000 or above); or a 2.25* grade-point average for the first 12 semester hours of undergraduate work (4999 or below) attempted as a post baccalaureate student.

*Exceptions to the 2.25 grade-point average requirement may be made in the following cases:

- a. A student readmitted to Eastern Illinois University in good academic standing after having been dismissed for low scholarship may be admitted to teacher education if his/her cumulative grade-point average based on all attempted work following readmission is at least 2.25 and if his/her post-readmission credits include at least 12 semester hours with grades of "A," "B," "C," or "D."
- b. A transfer post-baccalaureate student in good academic standing at Eastern Illinois University with an undergraduate cumulative grade-point average based on all attempted college work of at least 2.25 may be admitted to teacher education before accumulating 12 semester hours of Eastern credits with grades of "A," "B," "C," or "D."
- c. A person in good academic standing at Eastern Illinois University who has an Illinois Provisional teaching certificate, valid currently or during any portion of the past five years, and who has completed two or more academic years of full-time teaching in appropriate subject(s) or at appropriate level(s), or the equivalent, may be admitted to teacher education regardless of the cumulative grade-point average attained.

Revocation of Admission

Under certain conditions admission to teacher education may be revoked by the Council on Teacher Education. Major causes of revocation are explained at the scheduled admissions meeting.

Teaching Practicum (Student Teaching 4000, 4001)

A student must apply for a student teaching assignment, and be admitted to teacher education, no later than 10 weeks preceding the term in which student teaching will be accomplished. Exceptions must be approved by the Director of Student Teaching.

To be admitted to the teaching practicum the student must attain 90 semester hours or more toward graduation and must have complied with all regulations and qualifications relative to admittance to teacher education. At least three semester hours of the required teaching practicum must be taken through Eastern Illinois University to qualify for graduation.

The number of semester hours of student teaching required for graduation varies with the student's curriculum. A student enrolled in elementary education-special education is required to earn 16 semester hours of credit in student teaching with 8 semester hours required in elementary student teaching and 8 semester hours in special education teaching. A student enrolled in elementary or junior high school education must enroll for a minimum of 8 semester hours and may enroll for a maximum of 16 semester hours of credit in student teaching. *The same amount of student teaching shall be required of post-baccalaureate students as is required of undergraduate majors.*

A student enrolled in a high school curriculum is required to earn 12 semester hours in student teaching, with at least four semester hours, and preferably eight semester hours, of student teaching in his/her major field.

The maximum amount of student teaching credit that may count toward the 120 semester hours required for a bachelor's degree is 15 semester hours, with exception of those individuals obtaining certification in Special Education and another area (Elementary, Junior High, or Secondary Education).

1. Depending upon the level of concentration:
 - a. **Elementary School Curriculum.** Students must have completed Elementary Education 3280. If student teaching in kindergarten, students must have completed both Elementary Education 3280 and 4280.
 - b. **Special Education Curriculum.** To student teach in the following areas of Special Education, students must have completed the indicated methods course; Learning Disabilities—Special Education 4950; Educable Mentally Handicapped—Special Education 4960; and Behavior Disorders—Special Education 4980.
 - c. **Junior High Curriculum.** Students must have completed Junior High School Education 3110 and 3130 or 3140 or an approved substitute. Equivalent courses submitted must be approved by the Dean, College of Education.
 - d. **High School and Special Area Curricula.** Students must have completed Educational Psychology 3325 and Secondary Education 3330 (except students in the speech pathology and audiology curriculum who take Elementary Education 2320 and any required

departmental methods courses for the subjects to be assigned them).

- e. **Alternate Secondary Education.** The following courses constitute a program designed to cover material and experiences presently provided in Educational Psychology 3325, Secondary Education 3330, Special Education 3500, Educational Foundation 4450, and student teaching; Secondary Education 3000, 3100, and 4000.
2. An overall grade-point average of 2.25 is required for application for admission to teaching practicum. Students must also have an average of 2.25 in their teaching field at the time of application.*
3. The minimum requirements established by the Office of the Superintendent of Public Instruction for teaching a subject should have been completed.
4. Transfer students must have been in residence at Eastern Illinois University for at least one semester or one summer term.
5. A tuberculin skin test must have been completed in the University Health Service during the semester prior to the teaching practicum assignment.
6. Students enrolled in off-campus teaching must assume the necessary transportation, room, and board expenses.
7. Students who participate in full-time off-campus teaching should live in the community in which they do their teaching and are expected to observe the local calendar.
8. Students engaged in the teaching practicum are expected to participate in such activities as guidance programs of the school, audio-visual programs, study hall supervision, preparation of assembly programs, field trips, dramatics, attendance at P.T.O. meetings, faculty meetings, if invited, and participate as faculty members in as many of the activities of the school and community as possible.
9. Attendance is expected at a series of seminar meetings related to the teaching practicum. Details are distributed through the Office of the Director of Student Teaching.

Application for Assignment

Assignments for teaching practicum are made in the public schools in the area and in the public schools of the Chicago area.

1. Meetings are scheduled each year by the Director of Student Teaching for all students who plan to enroll in teaching practicum during the ensuing school year. Requests for assignment received from students within ten days of this meeting have priority. Applications submitted after the spring meeting must be made at least one term in advance of the semester in which teaching is desired. Assignments are made by the coordinators and approved by the Director.
2. Students should arrange for their teaching assignments before registering for other subjects. Teaching assignments take priority in the student's schedule. Registration and fees are required as with other regular course work.
3. A student engaged in teaching practicum is limited to a total load of fifteen semester hours. The number of hours of outside work permitted is restricted.

*Note: Special Education requires a cumulative grade point average of 2.50 in all courses with a Special Education prefix.

College of Fine Arts

PROFESSIONAL PROGRAMS

TEACHER PREPARATION PROGRAMS

The candidate for the degree Bachelor of Arts with a major in Art Education or Theatre Arts, or for the degree Bachelor of Music with a major in Music Education, must complete the professional education requirements for teacher certification. See Teacher Education and Admission to Teacher Education under College of Education.

Music Education majors who have studied or performed in more than one performance medium are encouraged by the Music Department to continue study and performance in both media.

College of Health, Physical Education and Recreation

PROFESSIONAL PROGRAMS

TEACHER PREPARATION PROGRAMS

The candidates for the Bachelor of Science with majors in Health Education and Physical Education may be certified as teachers of health education and physical education by completing the professional education requirements. See Teacher Education and Admission to Teacher Education under College of Education.

Minors

Most degree programs do not require a minor. The University offers both teacher education and non-teaching minors. The requirements for these minors are listed in the Catalog in this section.

Certain minors, identified as Teaching Minors, are available for students who wish to be certified in more than one discipline. Requirements for these Teaching Minors, which are available only to students in teacher education programs, are listed in the Catalog. Candidates for a teacher education degree who desire that a Teaching Minor be entered on their permanent records must list the Teaching Minor on their application for graduation. Upon approval by the appropriate Dean indicating that the student has met the Catalog requirements for the program, the Teaching Minor will be entered on the permanent record of the applicant.

Non-teaching minors, identified only as Minors, are also available to students who wish to pursue work beyond their major field of study required for their degree. Requirements for these Minors are also listed in the Catalog. Candidates for degrees who desire that a Minor or Minors (a student may complete more than one minor) be entered on their permanent records must list the Minor(s) on their application for graduation. Upon approval by the appropriate Dean indicating that the student has met the requirements for the Minor(s), the Minor(s) will be entered on the permanent record of the applicant.

A student should plan a Minor or Teaching Minor program in consultation with an appropriate advisor or Department Chairperson. If students wish to add a Minor or Teaching Minor after having applied for graduation, they must reapply and note the addition on their reapplication for graduation.

Requirements for Minors

- Any student interested in a departmental minor must receive approval from the appropriate department chairperson; and in the case of an interdisciplinary

minor, approval must be secured from the appropriate dean.

- All minors shall be excluded from the Credit/No Credit Option with the same rules which apply to majors.
- A residency requirement, similar to that in effect for majors, shall be established for all minors. Therefore, a transfer student who chooses to have a minor must successfully complete a minimum of six semester hours in residence in courses applicable to the grade-point average in that minor.
- No more than three semester hours credit may be earned in independent study, research, internship, or studies abroad toward a minor; and no credit in teaching methods may be counted toward a minor other than a teaching minor.
- Minors, either for teacher certification or non-teaching, require a cumulative grade-point average of at least 2.00.

GENERAL EDUCATION

General Education is that collection of skills and knowledge that characterize the educated person. Skills are usually represented by the essential processes of reading, writing, speaking, and quantifying. At Eastern, these skills are addressed as ALL UNIVERSITY REQUIREMENTS. In addition to these skills, the "knowledge" portion of the definition is provided by the experiences attained in courses organized into three categories: Humanities, Mathematics-Natural Sciences, and Social Studies. These groups of courses are the DISTRIBUTION AREAS at Eastern, and nine semester hours of coursework is required in each.

GENERAL EDUCATION REQUIREMENTS

Candidates for undergraduate degrees must complete the following requirements in general education:

All-University Requirements

English 1001, 1002.....	6 sem. hrs.
Speech-Communication 1310.....	3 sem. hrs.
¹ Mathematics (any three-semester-hours in mathematics except 1220, 1270, 3300, and 3400).....	3 sem. hrs.

Distribution Requirements

Humanities (must include at least three-semester hours from: Art 1650, 2340, 2652; English 2002, 2003, 2004; Fine Arts 2001, 2002; Music 2552, 2553, 2554; Physical Education 2230 and 2240, 2960; Theatre Arts 2240, 3751, and 3752).....	9 sem. hrs.
Mathematics-Natural Science (one course must be in a laboratory science).....	9 sem. hrs.
² Social Studies	9 sem. hrs.
Total	39 sem. hrs.

¹A student who presents an ACT Mathematics score of 26 or above will be exempt from this requirement. The same mathematics hours may not be used to satisfy both the all-University graduation requirement for a mathematics course and as a Mathematics/Natural Science distribution requirement.

²Note for Students Desiring Teacher Certification: At least six semester hours of this requirement must be from disciplines other than psychology. A course in U.S. history or U.S. government must be taken. Students are reminded that Psychology 2310 is a prerequisite for courses taught in the College of Education.

COURSES ALLOWED FOR THE DISTRIBUTION REQUIREMENTS IN GENERAL EDUCATION

Notes:

Humanities subject majors are: Art, English, French, German, Music, Philosophy, Spanish, Speech-Communication, Theatre Arts.

Mathematics/Natural Science subject majors are: Botany, Chemistry, Earth Science, Geology, Mathematics (including the Computational Mathematics major), Physics, Zoology.

Social Studies subject majors are: Economics, Geography, History, Political Science, Psychology, Sociology.

Humanities Courses Which Apply

Humanities courses are characterized as areas in which the intangible substance of the human experience is the connecting element. Emphasis is not on quantification or description, but on quality and the humanity characteristic only of humankind. The products of this intangible substance include not only the visual and performing arts, music, and literature, but also philosophy, religion, and the application of humaneness to the development of the human experience. Activities teach what these qualities are, and how they are experienced through appreciation and realization.

The requirement is nine semester hours from more than one subject and must include at least three semester hours from the courses listed under Humanities in the preceding column. If majoring in a humanities subject, only six semester hours from one or more of other humanities subjects (including foreign language) must be taken. Courses which apply toward the requirement are as follows:

Art: 1650, 2300, 2340, 2651, 2652.
 Arts & Sciences: 2100 (1 sem. hr.), 3103 (Su only).
 English: All courses numbered below 4000 except: 1000, 1001, 1002, 1099, 3400, 3990.
 Fine Arts: 2001, 2002, 2003.
 Foreign Languages: All courses numbered below 4000 except: Foreign Language 3400, French 3300, 3750; German 2220, 3303, 3750; Spanish 3201, 3750.
 History: 1100, 1200.
 Journalism: 2100.
 Music: 0100, 0110, 0120, 0300, 0600, 2552, 2553, 2554, 2561, 2563, 2564.
 Philosophy: 1800, 1900, 2000, 2010, 3000, 3020, 3030, 3040, 3060, 3070, 3220, 3260, 3280, 3290, 3300, 3500, 3700, 3900.
 Physical Education: 2230, 2240, 2270, 2960.
 Speech-Communication: 1400, 2300, 2320, 2340, 2540, 2630.
 Theatre Arts: 1133, 2240, 3751, 3752.

Mathematics-Science Courses Which Apply

Mathematics-Natural Sciences courses are characterized as areas of learning in which ordering and the search for knowledge is a connecting element. The objective process of measurement, systematically defining questions, gathering data, applying data and synthesizing answers is the general schema. Through these techniques an understanding of nature and humankind's relationship to it may be developed. There is an orderly development, refinement, and redefinition of knowledge. At a higher level, the interdependency of areas of science and mathematics is explored and described. This level includes the development of artificial systems of description developed by man and applied to the knowledge of science and mathematics. Finally, the application of knowledge in a practical manner for practical reasons for humankind's purposes is also a higher level of Natural Science and Mathematics.

The requirement is nine semester hours from more than one mathematics-science subject (one course must be in a laboratory science). If majoring in a mathematics-science subject, only six semester hours from one or more of other mathematics-science subjects must be taken. Courses which apply toward this requirement are:

Arts & Sciences: 2100 (1 sem. hr.), 3303 (Su only).
 Botany: 1010, 1022, 2340.
 Chemistry: 1050, 1300 & 1315, 1310 & 1315, 1410 & 1415, 1510 & 1515.
 Earth Science: 1410, 1420.
 Environmental Biology: 2010.
 Geology: 1400.
 Life Science: 1000.
 Mathematics: 1150, (1271 or 1300), (1310 or 1330), 1340, (2110 or 2351), 2120, 2250, 2550, (2310 or 2300).
 Physics: 1050, 1054, 1150, 1160, 1210, 1350.
 Zoology: 1010, 2150, 2999.

Social Studies Courses Which Apply

Social Studies courses are characterized as areas of learning in which the factors and relationships among individuals, populations, and societies are examined. Forces exerted by one individual on another, group dynamics, developing common goals, acceptable and unacceptable behavior are studied individually and collectively as they impact on social systems and relations. Learning is achieved by study of the past, description of the present, and using both to predict the future. Methodology is often less objective, and more descriptive and subjective.

The requirement is nine semester hours from more than one subject. If majoring in a social studies subject, only six semester hours from one or more of other social studies subjects must be taken. Courses which apply toward the requirement are:

Afro-American Studies: 2000.
 Anthropology: 2730, 2742.
 Arts & Sciences: 3203 (Su only).
 Economics: 2801, 2802.
 Educational Foundation: 1000.
 Geography: 1300, 1500.
 History: 1000, 1005, 2010, 2020, 2100.
 Home Economics: 2831.
 Political Science: 1003, 1103, 2203, 2603.
 Psychology: 2310, 2320.
 Sociology: 2710, 2720.
 Technology Education: 1413.

Transfer Credit

A student who has received an A.A. or A.S. degree in a baccalaureate oriented program from an Illinois public community college, Lincoln College, or Springfield College in Illinois, is considered as having met general education requirements. This provision is applicable to a former student if (1) the initial term of enrollment at Eastern was Summer 1982 or thereafter, (2) the total semester hours earned at Eastern does not exceed fifteen, and (3) the cumulative Eastern grade-point average is 2.00 (C) or higher.

- A transfer student who has completed two English courses totaling at least six semester hours (in composition, composition and literature, or the equivalent), a Speech course of at least two semester hours, and a Mathematics course or courses totaling three semester hours, will have met the all-University requirements.
- A transfer student will have met the distribution requirements if he/she has completed elsewhere the equivalent of:
 - 9 sem. hrs. in a humanities subject or subjects.
 - 9 sem. hrs. in a mathematics/science subject or subjects.
 - 9 sem. hrs. in a social studies subject or subjects.
 Transfer students who have only partially fulfilled the above requirements must complete the requirement in approved Eastern Illinois University distribution courses.
- Any transfer student who enters a teacher certification program must meet all requirements for teacher certification.

REQUIREMENTS FOR MAJORS AND MINORS FOR UNDERGRADUATE DEGREES

Accounting (B.S. Bus.)

Major:

Accountancy 2100, 2150, 3030, 3041, 3051, 3701, 4050, 4610, 4850, 4900	32 sem. hrs.
Data Processing 2175	3 sem. hrs.
Economics 2801, 2802, 3860	9 sem. hrs.
Finance 3710	3 sem. hrs.
Management 2460, 2810, 3010, 3470, 3950, 4360	18 sem. hrs.
Marketing 3470	3 sem. hrs.
Mathematics 2110, 2120 ¹	6 sem. hrs.
Political Science 1103 or 2603 or Sociology 2710	3 sem. hrs.
Non-Business elective	6 sem. hrs.
Total	83 sem. hrs.

(Major GPA based on all College of Business courses taken.)

Administrative Office Management (B.S. Bus.)

Major:

Accountancy 2100, 2150	6 sem. hrs.
Business Education 2010, 2500, 3500, 4750, 4800	14 sem. hrs.
Data Processing 2175	3 sem. hrs.

Economics 2801, 2802, 3860	9 sem. hrs.
Finance 3710	3 sem. hrs.
Management 2460, 2810, 3010, 3950, 4360	15 sem. hrs.
Marketing 3470	3 sem. hrs.
Mathematics 2110, 2120 ¹	6 sem. hrs.
Political Science 1103 or 2603 or Sociology 2710	3 sem. hrs.
Non-Business elective	4 sem. hrs.
Choice of one of the following	6 sem. hrs.
Total	72 sem. hrs.

I— Business Education 2240 and 3230.

II— Two courses in Data Processing.

III— Six semester hours in Accountancy courses numbered 3000 or above

IV— Two of the following: Management 3450, 3800, 4310, 4370.

(Major GPA based on all College of Business courses taken.)

¹On the basis of the Eastern Illinois University Mathematics Placement Examination a student may also be required to take Mathematics 1270 and/or 1271.

Adult Education

Minor:

Educational Foundation 4750	3 sem. hrs.
Secondary Education 4751, 4850	7 sem. hrs.
Nine semester hours chosen from:	
Occupational Education 4800, 4810, Business Education 3000 or Home Economics 3300, Educational Guidance 4900, Educational Psychology 4770, Educational Administration 5420, Home Economics 4846, Recreation 2250, 4830, Psychology 3525, Junior High School Education 4280, Information Services and Technology 4870, 5360 (for eligible students); Technology Education 1413, Educational Guidance 5100 (for eligible students)	9 sem. hrs.
Total	19 sem. hrs.

Afro-American Studies (B.S.)

Major:

Afro-American Studies 2000	3 sem. hrs.
Art 2300	3 sem. hrs.
English 2705, 4750	6 sem. hrs.
History 2100, 3065	6 sem. hrs.
Home Economics 4840	3 sem. hrs.
Music 2561	3 sem. hrs.
Psychology 4700	3 sem. hrs.
Sociology 2710, 3810, 4740	9 sem. hrs.
A maximum of three courses chosen from: Afro-American Studies 4275, 4400, Anthropology 2730, 3611, Educational Foundation 1000, 3500, Data Processing 2175, Geography 3775, History 1100, Journalism 3951, Political Science 4774, 3723, 3383, 4843, Sociology 2720, 2761, 4721, 4770, Business Education 1420, Management 2460, 3010, Zoology 2150	9-10 sem. hrs.
Total	45-46 sem. hrs.

(Major GPA based on specific required courses.)

Minor (for teacher certification):

Afro-American Studies 2000.....	3 sem. hrs.
Art 2300.....	3 sem. hrs.
English 2705, 4750.....	6 sem. hrs.
History 2100.....	3 sem. hrs.
Music 2561.....	3 sem. hrs.
Three courses chosen from: Anthropology 2730, 3611, Educational Foundation 1000, History 3065, Home Economics 4840, Political Science 4774, Psychology 4700, Sociology 2710, 3810, 4740.....	
	9-10 sem. hrs.
Total.....	27-28 sem. hrs.

Interdisciplinary Minor:

Afro-American Studies 2000.....	3 sem. hrs.
Art 2300.....	3 sem. hrs.
English 2705, 4750.....	6 sem. hrs.
History 2100.....	3 sem. hrs.
Music 2561.....	3 sem. hrs.
Three courses, approved by the Afro-American Studies Director, from: Anthropology 2730, 3611, Afro-American Studies 4275, 4400, Educational Foundation 1000, 3500, Home Economics 4840, History 3065, Journalism 3951, Political Science 4774, Psychology 4700, Sociology 2710, 3810, 4740, Zoology 2150.....	
	9-10 sem. hrs.
Total.....	27-28 sem. hrs.

Anthropology**Minor:**

Anthropology 2730, 2742.....	6 sem. hrs.
Either A or B below.....	6-9 sem. hrs.
Electives from: Anthropology 3602, 3606, 3611, 3691, 3701, 3712, 4400.....	
	9-6 sem. hrs.
Total.....	21 sem. hrs.

Group A: Cultural Anthropology: Six to nine semester hours from: English 3901, Geography 3050, 3650, History 3070, 3260, 3530, 3540, 3600, Political Science 3383, Spanish 4320¹.

Group B: Physical Anthropology and Archaeology: Six to nine semester hours from: Botany 2520, Geology 1400, 2430, History 3070, 3510, Life Science 3200, Sociology 3610, Zoology 2000².

¹Prerequisite: Three years of college Spanish or permission of the department chairperson.

²Prerequisite: Life Science 1000.

Art (B.A.)**Major (Art):****Art History Option:**

Art 1000, 1110, 1111, 2050, 2100, 2601, 2602, 4790.....	24 sem. hrs.
Two courses chosen from: Art 2250, 2560, 2700, 2800.....	
	6 sem. hrs.
Electives chosen from: Art 2300, 3630, 3640, 3650, 3660, 3670, 3680, 4400, 4765.....	
	25-28 sem. hrs.
Electives in art studio courses.....	
	9 sem. hrs.
Total.....	64-67 sem. hrs.

(Major GPA based on all art courses taken at Eastern Illinois University.)

Art Studio Option:

Art 1000, 1110, 1111, 2011, 2050, 2100, 2601, 2602, 3011, 3680.....	26 sem. hrs.
Art history courses numbered 3630 or above.....	
	3 sem. hrs.
Area I or II.....	36 sem. hrs.
Total.....	65 sem. hrs.

Area I: Art 2000, 2560; 2250 or 2700 or 2800; 18 sem. hrs. chosen from Art 2900, 3000, 3051, 3052, 3080, 3110, 3570, 3901, 3902, 4000, 4051, 4052, 4400, 4580; nine semester hours chosen from art history or Area II. Total, 36 sem. hrs.

Area II: Art 2250, 2700, 2800; 18 sem. hrs. chosen from Art 3110, 3111, 3112, 3251, 3252, 3701, 3702, 3801, 3802, 4111, 4112, 4251, 4252, 4400, 4701, 4702, 4800; nine semester hours chosen from art history or Area I. Total, 36 sem. hrs.

(Major GPA based on all art courses taken at Eastern Illinois University.)

Graphic Design Option:

Art 1000, 1110, 1111, 2011, 2050, 2560, 2601, 2602, 2900, 3011, 3901, 3902, 4900, 4901.....	38 sem. hrs.
Technology Education 3043, 3053, 3123, 1364.....	
	13 sem. hrs.
Art History courses numbered 3630 or above.....	
	3 sem. hrs.
Electives in art.....	
	6 sem. hrs.
Electives chosen from Art courses and the following: Accountancy 2100, 2150, 2200, Management 2460, 3010, 3340, 3450, Marketing 3470, Speech-Communication 2530.....	
	6 sem. hrs.
Total.....	66 sem. hrs.

(Major GPA based on all art and technology education courses only.)

Minor:

Select 6 sem. hrs. from: Art 1000, 1110, 1111 or 2601 and 2602.....	6 sem. hrs.
Electives in Art selected in consultation with an art advisor and must include at least 6 sem. hrs. of courses numbered 3000 or above, and with the exclusion of Art 2410, 2440, and 3410.....	
	12-15 sem. hrs.
Total.....	18-21 sem. hrs.

Art (B.A. for Teacher Certification)**Major (Standard Special Certificate. No minor required.):**

Art 1000, 1110, 1111, 2050, 2100, 2250, 2400, 2410, 2440, 2560, 2601, 2602, 2700, 2800, 3410, 3420, 4740.....	46 sem. hrs.
Elective in art, to include 3 sem. hrs. in art history courses numbered 3000 or above.....	
	12 sem. hrs.
Total.....	58 sem. hrs.

(Major GPA based on all art courses taken at Eastern Illinois University.)

Board of Governors Degree Program (B.A.)

The Board of Governors degree program is an individualized, non-traditional program designed for working adults. A major is not required and skills and knowledge acquired by non-academic means can be evaluated for academic credit. The requirements for graduation are:

- 120 semester hours total
- 40 semester hours at the junior-senior level
- 15 semester hours completed in any order at any combination of Board of Governors universities
- 12 semester hours in social studies
- 12 semester hours in humanities
- 12 semester hours in science and/or mathematics
- Illinois and U.S. Constitution Examination or the equivalent
- Writing Competency Examination at the junior level
- Minimum 2.00 cumulative grade-point average

Note: Students pursuing the Board of Governors degree who wish to qualify for an Illinois Teaching Certificate should note the statement on page 56, column 2, item 2, and should consult both the Coordinator of the B.O.G.-B.A. program and the Certification Office in the College of Education.

Note: No credit is awarded for a course grade of D after a student has been admitted to the program.

Botany (B.S.)**Major:**

- Botany 1010, 3100, 3200, 3300, 3541, 4801, 4811, 4851 27 sem. hrs.
- Chemistry (1310, 1315) or (1300, 1315); (1410, 1415) or (1510, 1515) 8 sem. hrs.
- Environmental Biology 2010 3 sem. hrs.
- Life Science 1000, 3200 6 sem. hrs.
- Zoology 1010 4 sem. hrs.
- Electives in Botany (except Botany 3450) or Environmental Biology 4750, or Zoology 4840 6 sem. hrs.
- Electives in Mathematics/Science* 12 sem. hrs.
- Total 66 sem. hrs.

(Major GPA based on all botany, environmental biology, life science, and zoology courses taken at Eastern Illinois University.)

*Organic chemistry recommended.

Minor:

- Botany 1010, 1022; 3100 or 3200; 3300 or 3541 13 sem. hrs.
- Electives in Botany (at least 3 sem. hrs. of 3000 level or higher) 5 sem. hrs.
- Total 18 sem. hrs.

Botany (B.S. for Teacher Certification)**Major (Standard High School Certificate):**

- Botany 1010, 1022, 3100, 3200, 3541 16 sem. hrs.
- Chemistry (1310 or 1315) or (1300, 1315); (1410, 1415) or (1510, 1515) 8 sem. hrs.
- Environmental Biology 2010 3 sem. hrs.
- Life Science 1000, 3200, 3400 9 sem. hrs.
- Zoology 1010; 2000 or 2100; 2999 or 3100; 3300 13-15 sem. hrs.
- Electives in botany and/or zoology (except Botany 3450 and Zoology 4400) or Environmental Biology 4750 6 sem. hrs.
- Total 55-57 sem. hrs.

(Major GPA based on all botany, environmental biology, life science and zoology courses taken at Eastern Illinois University.)

Business Administration**Interdisciplinary Minor:**

- Accountancy 2100 3 sem. hrs.
- Business Education 1420 3 sem. hrs.
- Data Processing 2175 3 sem. hrs.
- Management 3010 3 sem. hrs.
- Twelve additional hours to be chosen from:
- Accountancy 2150, 2200, 3701, 4800,
- Business Education 2010 or Management 3830,
- Business Education 4750, Economics 2801, 2802, Finance 3710, 3740, 3900, Management 2460, 4310, Marketing 3470, 3490, 3720 12 sem. hrs.
- Total 24 sem. hrs.

Note: Not available for students in business-related majors. Approval to enroll in upper division courses must be obtained from the Office of Undergraduate Studies in Business, Blair Hall 101.

Honors Program for Business Majors

Admission to the Business Honors Program requires at least two of the following criteria:

- a. ACT composite of 26 or higher or SAT (combined Math and Verbal) of 1100 or higher.
- b. Upper 10 per cent of high school graduation class.
- c. 3.5 grade point average for at least 12 hours of coursework taken at Eastern Illinois University.
- d. Permission of the Director of the Honors Program and the Business Honors Program Coordinator.

- Business 4444, 4555, 4644 12 sem. hrs.
- Finance 3790 3 sem. hrs.
- Management 3091 3 sem. hrs.
- Marketing 3491 3 sem. hrs.

Business Education (B.S. Ed.)

The student may choose either a comprehensive major or a major with a minor in a second teaching field.

Comprehensive Major (Standard High School Certificate. No minor required):

The student will complete the business education core requirements and choose one of the three options: Comprehensive Basic Business, Comprehensive Secretarial, or Vocational Business Education. The program in Vocational Business Education and 2000 hours related work experience prepares the student as a reimbursable vocational business teacher as provided by the Illinois Board of Education Office.

Accountancy 2100, 2150	6 sem. hrs.
Business Education 1420, 2010, 2500, 3000, 3400, 4750	16 sem. hrs.
Business Education 2110 or two of: 1110, 1120, 2110	3-6 sem. hrs.
Data Processing 1250 or 2175	2-3 sem. hrs.
Economics 2801, 2802	6 sem. hrs.
Management 2460	3 sem. hrs.
One of the options listed below	9-18 sem. hrs.
Total	45-58 sem. hrs.

Comprehensive Basic Business Option:

Advanced Accountancy or Data Processing course	3 sem. hrs.
Business Education 3300, 3410, 3430	6 sem. hrs.
Total	9 sem. hrs.

Comprehensive Secretarial Option:

Business Education 2240 or two of: 1250, 2240	3 or 6 sem. hrs.
Business Education 3230, 3420, 3440, 3500	11 sem. hrs.
Total	14-17 sem. hrs.

Vocational Business Education Option:

Business Education 4913, 4923	6 sem. hrs.
Office Occupation or Marketing Area	8-12 sem. hrs.
Total	14-18 sem. hrs.

Office Occupations Area:

Business Education 2240 or two of: 1240, 1250, 2240	3-6 sem. hrs.
Business Education 3230 or 3500	3-4 sem. hrs.
Business Education 3420 or 3440	2 sem. hrs.
Total	8-12 sem. hrs.

(OR)

Marketing Area:

Marketing 3470, 4875	6 sem. hrs.
Business Education 3410 or 3430	2 sem. hrs.
Business electives	3 sem. hrs.
Total	11 sem. hrs.

(Major GPA based on all business courses taken at Eastern Illinois University.)

Business Education (B.S. Ed.)

Major: Minor in a second teaching field required. (Standard High School Certificate):

Business Education 2110 or two of: 1110, 1120, 2110	3-6 sem. hrs.
Business Education 1420, 2500, 3000, 3230 or 3500, 4750	14-15 sem. hrs.
Business Education 3400	2 sem. hrs.
Business Education 3410 or 3440	2 sem. hrs.
Accountancy 2100, 2150	6 sem. hrs.
Data Processing 1250 or 2175	2-3 sem. hrs.
Economics 2801, 2802	6 sem. hrs.
Management 2460	3 sem. hrs.
Total	38-43 sem. hrs.

(Major GPA based on all business courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Accountancy Area:

Accountancy 2100, 2150	6 sem. hrs.
Business Education 3400, 3430	4 sem. hrs.
Data Processing 1250 or 2175	2-3 sem. hrs.
Advanced Accountancy courses	9 sem. hrs.
Business elective	3 sem. hrs.
Total	24-25 sem. hrs.

General Business Area:

Accountancy 2100, 2150	6 sem. hrs.
Business Education 1420, 3000, 3400, 3410	10 sem. hrs.
Data Processing 1250 or 2175	2-3 sem. hrs.
Management 2460	3 sem. hrs.
Business elective	3 sem. hrs.
Total	24-25 sem. hrs.

Secretarial Area:

Business Education 2110 or two of: 1110, 1120, 2110	3-6 sem. hrs.
Business Education 2240 or two of: 1240, 1250, 2240	3-6 sem. hrs.
Business Education 2500, 3230, 3500	9 sem. hrs.
Business Education 3420 or 3440; 3400	4 sem. hrs.
Electives in business	5-0 sem. hrs.
Total	24-25 sem. hrs.

Typewriting and Accountancy Area:

Business Education 2110 or two of: 1110, 1120, 2110	3-6 sem. hrs.
Accountancy 2100, 2150	6 sem. hrs.
Business Education 2500, 3400	4 sem. hrs.
Business Education 3430 or 3440	2 sem. hrs.
Data Processing 1250 or 2175	2-3 sem. hrs.
Business electives	7-4 sem. hrs.
Total	24-25 sem. hrs.

Career Occupations (B.S.)**General Requirements:**

English 1001, 1002	6 sem. hrs.
Health Education 1200	2 sem. hrs.
Speech-Communication 1310	3 sem. hrs.
Mathematics course	3 sem. hrs.
Mathematics/Natural Science	9 sem. hrs.
Social Studies	9 sem. hrs.
Humanities ¹	9 sem. hrs.

Major Requirements:

Occupational Education 3200	1-30 sem. hrs.
Occupational Education 3300	1-20 sem. hrs.
Occupational Education 4800	3 sem. hrs.
Occupational Education 4810	3 sem. hrs.

Electives:

Occupational Education 4275	6-15 sem. hrs.
Occupational Education 4300	3 sem. hrs.
Electives to total	120 sem. hrs. ²

Career Occupations (B.S. for Teacher Certification)**Major (Standard High School Certificate):****General Requirements:**

English 1001, 1002	6 sem. hrs.
Health Education 1200	2 sem. hrs.
Speech-Communication 1310	3 sem. hrs.
Mathematics course	3 sem. hrs.
Mathematics/Natural Science	9 sem. hrs.
Social Studies (exclusive of psychology)	3 sem. hrs.
Humanities ¹	9 sem. hrs.

Major Requirements:

Occupational Education 3200	1-30 sem. hrs.
Occupational Education 3300	1-20 sem. hrs.
Occupational Education 4810	3 sem. hrs.

Electives:

Occupational Education 4275	1-15 sem. hrs.
Occupational Education 4300	3 sem. hrs.
Occupational Education 4913, 4923	6 sem. hrs.

Certification requirements:

Psychology 2310	3 sem. hrs.
U.S. history or U.S. government	3 sem. hrs.
Health or Physical Education	1 sem. hr.
Educational Psychology 3325 and Secondary Education 3330	6 sem. hrs.
Educational Foundation 4450	3 sem. hrs.
Occupational Education 4800	3 sem. hrs.
Special Education 3500	3 sem. hrs.
Student Teaching 4000, 4001	5 sem. hrs.
Electives to total	120 sem. hrs. ²

¹Three sem. hrs. must be from list of selected courses.²There must be a minimum of 25 sem. hrs. in courses taught by EIU staff.

Note: Certification candidates can either follow the regular program courses (page 55) or the Alternate Special Education Program (ASEP) described on page 55.

Chemistry (B.S.)¹**Major:**

Chemistry 1310 (or 1300), 1315, 1510, 1515	8 sem. hrs.
Chemistry 2310, 2730, 3000, 3001, 3430, 3435, 3780, 3840, 3845, 3910, 3915, 3920, 3940, 4000, 4001, 4770, 4900, 4905	38 sem. hrs.
Electives in Chemistry (exclud- ing 3100)	6 sem. hrs.
² Mathematics 2351, 2352, 2361	9 sem. hrs.
³ Physics 1350, 1360	8 sem. hrs.
Total	69 sem. hrs.

(Major GPA based on all Chemistry courses taken at Eastern Illinois University.)

¹Approved by the Committee on Professional Training of the American Chemical Society.²Mathematics 2300 is suggested.³Physics 1370 is recommended.**Minor:**

Chemistry 1310 (or 1300), 1315; (1410, 1415) or (1510, 1515)	8 sem. hrs.
Chemistry 3430, 3435	5 sem. hrs.
Electives in Chemistry (exclud- ing 3001, 3100, 3940, 4001)	5-6 sem. hrs.
Total	18-19 sem. hrs.

Chemistry (with Management Option) (B.S.)**Major:**

Accountancy 2100, 2150	6 sem. hrs.
Chemistry 1310 (or 1300), 1315, 1510, 1515, 2310, 2730, 3430, 3435, 3780, 3840, 3845, 3910, 3915	32 sem. hrs.
Electives in Chemistry (excluding 3001, 3100, 3940, 4001)	3 sem. hrs.
¹ Course(s) in Computer Programming	2-3 sem. hrs.
Finance 3710	3 sem. hrs.
Economics 2801, 2802	6 sem. hrs.
Management 2460, 2810, 3010	9 sem. hrs.
Marketing 3470	3 sem. hrs.
Mathematics 2120, 2351, 2352, 2361	12 sem. hrs.
² Physics 1350, 1360	8 sem. hrs.
Electives in Accountancy, Data Processing, Finance, Management or Marketing	3 sem. hrs.
Total	87-88 sem. hrs.

(Major GPA based on all Chemistry courses taken at Eastern Illinois University.)

¹Data Processing 2175 or Mathematics 2300 and Chemistry 3940 are suggested.²Physics 1370 is recommended.

Chemistry (B.S. for Teacher Certification)**Major** (Standard High School Certificate):

Chemistry 1310 (or 1300), 1315, 1510, 1515	8 sem. hrs.
Chemistry 2310, 2730, 3100, 3430, 3435, 3780, 3840, 3845, 3910, 3915	25 sem. hrs.
Electives in Chemistry (excluding 3001, 3940, 4001)	3 sem. hrs.
¹ Course(s) in Computer Programming	2-3 sem. hrs.
Mathematics 2351, 2352, 2361	9 sem. hrs.
Physical Science 3400	3 sem. hrs.
² Physics 1350, 1360	8 sem. hrs.
Total	58-59 sem. hrs.

(Major GPA based on Physical Science 3400 and all chemistry courses taken at Eastern Illinois University.)

¹Mathematics 2300 and Chemistry 3940 are suggested.

²A minimum of 10 semester hours of Physics must be elected to meet certification requirements for teaching in this area. Physics 1370 is recommended.

Minor (For Teacher Certification):

Chemistry 1310 (or 1300), 1315, (1410, 1415) or (1510, 1515)	8 sem. hrs.
Chemistry 3430, 3435	5 sem. hrs.
Electives chosen from Chemistry 2310, 2720, 3100, 3440, 3450, 4940	3 sem. hrs.
¹ Physical Science 3400	3 sem. hrs.
² Physics 1350, 1360	8 sem. hrs.
Total	27 sem. hrs.

¹Physical Science 3400 may be omitted if a student has credit for Life Science 3400.

²A minimum of 10 semester hours of physics must be elected to meet certification requirements for teaching in this area. Physics 1370 is recommended.

Computational Mathematics (B.S.)**Major:**

Data Processing 2310	3 sem. hrs.
Mathematics 2310, 2351, 2352, 2361, 2362, 2371; 2550 or 4760; 2670, 3530, 3570, 3670, 3701, 3702, 3770, 4870, 4970	48-49 sem. hrs.
Mathematics 4275*	10 sem. hrs.
Electives chosen from: Data Processing 3290, Mathematics 3501, 3502, 4750, 4760, 4850, Physics 3150	6-8 sem. hrs.
Total	67-70 sem. hrs.

(Major GPA based on those above listed courses taken at Eastern Illinois University.)

*Up to 15 semester hours may be taken but only 10 semester hours may be counted toward the major.

Computer Management (B.S. Bus.)**Major:**

Accountancy 2100, 2150	6 sem. hrs.
Data Processing 2175, 2300, 2310, 3290, 3310, 3330, 4610	21 sem. hrs.
Economics 2801, 2802, 3860	9 sem. hrs.
Finance 3710	3 sem. hrs.
Management 2460, 2810, 3010, 3950, 4360	15 sem. hrs.
Marketing 3470	3 sem. hrs.
Mathematics 2110, 2120 ¹	6 sem. hrs.
Political Science 1103 or 2603 or Sociology 2710	3 sem. hrs.
Non-Business electives	4 sem. hrs.
Two of the following: Data Processing 3190, 4810, Management 3800, 3820, Mathematics 3670	6 sem. hrs.
Total	76 sem. hrs.

(Major GPA based on all College of Business courses taken.)

¹On the basis of the Eastern Illinois University Mathematics Placement Examination a student may also be required to take Mathematics 1270 and/or 1271.

Creative Writing**Minor:**

English 2003	3 sem. hrs.
Nine semester hours from: English 2005, 4762, 4763, 4764	9 sem. hrs.
Six semester hours from: English 2002, 2004, 2006, 3405, 3504; Journalism 2101, 2102, 3102; Information Services and Technology 3300, 3320; Speech Communication 2530, 3520, 3540; Theatre Arts 3445, 3751, 3752	6 sem. hrs.
Total	18 sem. hrs.

Note: Students are expected to select courses in consultation with a member of the Creative Writing staff, and English majors are required to take at least one course outside the English Department.

Earth Science (B.S.)**Major:**

Chemistry (1300, 1315) or (1310, 1315)	4 sem. hrs.
Earth Science 1410, 1420, 2420, 2460, 3410	16 sem. hrs.
Courses chosen from Geography 3800, 3825, 3850, 3875	6 sem. hrs.
Geography 1500, 3200	6 sem. hrs.
Geology 1400, 2430, 3405, 3440, 4490	17 sem. hrs.
Life Science 1000	3 sem. hrs.
Mathematics 1300 or 1310	2-3 sem. hrs.
Physics 1054	3 sem. hrs.
Electives chosen from two of the following sciences: botany, chemistry, earth science, geology, physics, zoology	8 sem. hrs.
Total	65-66 sem. hrs.

(Major GPA based on all earth science, geography and geology courses taken at Eastern Illinois University.)

Minor:

Earth Science 1410, 1420, 2420, 2460, 3410	16 sem. hrs.
Any three-semester-hours of 3000-4000 level course from Earth Science or Geology	3 sem. hrs.
Total	19 sem. hrs.

Minor (for teacher certification):

Chemistry (1300, 1315) or (1310, 1315)	4 sem. hrs.
Earth Science 1410	4 sem. hrs.
Geology 1400, 2430	8 sem. hrs.
Physics 1054	3 sem. hrs.
Physical Science 3400	3 sem. hrs.
Two of the following Earth Science courses: 1420, 2420, 2460, 3410	6 sem. hrs.
Total	28 sem. hrs.

Economics (B.A.)**Major:**

Economics courses including Economics 2801, 2802; 3991 or Management 2810 ¹ ; 3992, 4801, 4802; and excluding 3810	36 sem. hrs.
Mathematics 2110, 2120 ²	6 sem. hrs.
Total	42 sem. hrs.

(Major GPA based on all economics courses taken at Eastern Illinois University, excluding Economics 3810 and 3903.)

¹Substitution of Management 2810 for Economics 3991 does not reduce the 36 semester hours required in economics courses.

²On the basis of the Eastern Illinois University Mathematics Placement Examination, a student may also be required to take Mathematics 1270 and/or 1271.

Minor:

Economics 2801 and 2802	6 sem. hrs.
Electives in Economics* (excluding Economics 3750, 3810, 3990, and 4275)	15 sem. hrs.
Total	21 sem. hrs.

*It is strongly recommended that students elect Economics 4801 and/or 4802.

Honors Program for Economics Majors with 3.50 Cumulative GPA

To be admitted to the honors program, students must have a 3.50 cumulative grade point average and permission of the Honors Program Director and the Honors Coordinator in the Department of Economics.

Honors students must complete 9 semester hours in a combination of the following courses. Repeating a course must be approved by the Department Honors Coordinator.

Economics 4444, 4666, 4644 and a graduate course approved by the Department Honors Coordinator	12 sem. hrs.
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Complete the other requirements for the Economics major. The hours earned in Honors courses will count toward the hours requirement for the major.

Elementary Education (B.S. Ed.)

This curriculum offers a choice of three options: Early Childhood (kindergarten and grades one, two, and three); Intermediate (grades four, five, and six); and Comprehensive (grades one through eight). Special option requirements are listed below.

Required Courses

The following constitutes the list of requirements (including the all-university requirements) in the elementary curriculum. The student and the advisor must cooperate in planning the sequence.

Art 1650	3 sem. hrs.
Elementary Education 1230, 2320, 3240, 3270, 3280, 3290	17 sem. hrs.
Educational Foundation 4450	3 sem. hrs.
English 1001, 1002	6 sem. hrs.
Health Education 1200 ¹	2 sem. hrs.
Life Science 1000	3 sem. hrs.
Mathematics 1220, 3300	6 sem. hrs.
Music 1421	3 sem. hrs.
Physical Education 3600	2 sem. hrs.
Psychology 2310	3 sem. hrs.
Natural Science electives (see General Education requirements) ²	6 sem. hrs.
Social Studies electives ³ (see distribution requirements)	6 sem. hrs.
Special Education 3000 or 3500	3 sem. hrs.
Speech Communication 1310	3 sem. hrs.
Student Teaching 4001	8 sem. hrs.
U.S. history or U.S. government	3 sem. hrs.
Humanities (see General Education requirements)	3 sem. hrs.
Senior Seminar	2 sem. hrs.
Subject concentration	15-18 sem. hrs.

One of the following options:

Early Childhood Education: English 3405 or Information Services and Technology 3300, Elementary Education 4480; two of the following: Technology Education 2242, Music 3423, Art 2440. Students wishing to do student teaching in nursery-kindergarten must also take Elementary Education 4260. Total, 10-11 sem. hrs.

Intermediate: Elementary Education 4490, two of the following: Technology Education 2252, Music 3421, English 3405 or Information Services and Technology 3300, Art 2440. Total, 7-9 sem. hrs.

Comprehensive: Elementary Education 4480 or 4490; two of the following: Technology Education 2242 or 2252, Music 3421 or 3423, English 3405 or Information Services and Technology 3300, Art 2440. Total, 7-9 sem. hrs.

Electives as needed to complete 120 semester hours

¹May be satisfied by passing the Health Competency Examination, in which case the student must substitute one (1) semester hour in Physical Education or Health Education elective.

²Must include laboratory coursework in Physics and/or Chemistry.

³Six semester hours of social studies to be chosen from at least two of the following: Anthropology, Economics, Geography, History, Political Science, Sociology.

An Area of Concentration consists of courses taken in *Addition to General Education or other curricular requirements.*

Transfer students will have their completed coursework evaluated by the Dean of the College of Education or his/her designated representative.

Students select one Area of Concentration consisting of 15 semester hours. The concentration may be planned so as to supplement the student's professional goals or personal interests but must be done in consultation with each student's advisor.

In arranging their concentration, students should remember that their total program must include a minimum of 40 semester hours of upper division credit.

Areas of Concentration:

- Adult Education
- Biological Sciences*
- Communications
- English*
- Fine Arts
- Foreign Language
- General Science*
- Guidance and Psychology
- Health Education-Home Economics
- Information Services and Technology
- Library Media*
- Mathematics*
- Nursery-Kindergarten
- Physical Sciences*
- Physical Education, Recreation, and Health Education*
- Social Sciences*

*While only 15 semester hours are required in the above concentrations, students wishing to teach in *departmentalized* programs (Grades 6-9) should be informed that to do so requires 18 semester hours in the teaching field. Further, where subject matter areas are divided into two or more specific courses, one must have at least five semester hours in the specific course to be taught. Please consult with advisor to select appropriate courses.

Adult Education: Educational Foundation 4750, Secondary Education 4751, 4850, Junior High School Education 4280, and two semester hours from courses listed for adult education minor.

Biological Sciences*: Courses may be selected from Botany, Environmental Biology, Life Science, or Zoology but must include a minimum of five semester hours in Botany and five semester hours in Zoology.

Communications: Courses may be selected from English, Journalism, and Speech Communication. A minimum of five semester hours from *each of two* of these areas must be included. English courses must be selected from: English 2003, 2901, 3001, 3901, 4901.

English*: Must include English 2901 or one course in composition and one course in American Literature.

Fine Arts: Courses may be selected from the following areas: Art, Dance (Physical Education 2230, 2240, 2270, 2960), Fine Arts (2001, 2002, 2003), Music and Theatre Arts. More than one area must be represented and the

student must plan his/her program in consultation with his/her advisor.

Foreign Language: Courses must be selected from one foreign language.

General Science*: Courses may be selected from any of the natural sciences with at least five semester hours in the Biological Sciences (Botany, Environmental Biology Life Science, and Zoology) and five semester hours in the Physical Sciences (Chemistry, Earth Science, Geology, and Physics).

Guidance and Psychology: Educational Guidance 4900, 4910, Educational Psychology 4990; other courses selected from Educational Guidance, Educational Psychology, and Psychology.

Health Education-Home Economics: Courses may be selected from Health Education and Home Economics but must include five semester hours from each field. Recommended Home Economics courses are: 2850, 3190, 3300, 3853, 4854.

Information Services and Technology: Courses may be selected from Information Services and Technology courses excluding IST 1200; students must include IST 4870.

Library/Media: 15 to 18 semester hours from: Information Services and Technology 3200, 3300, 4490, 4750, 4770, 4850. IST 4870 is recommended if 3300 is included.

Mathematics*: Fifteen semester hours of Mathematics; including Mathematics 4820, to be chosen in consultation with advisor.

Nursery-Kindergarten: Elementary Education 3260, 4260, Home Economics 3853; electives from Elementary Education 4775, Special Education 4820, 4920, Home Economics 4859, Speech Pathology & Audiology 4800.

Physical Sciences*: Courses may be selected from Chemistry, Earth Science, Geology, and Physics but must include a minimum of five semester hours each in any of two categories.

Physical Education, Recreation, and Health Education*: Must include Physical Education 3610, 3620, 3630, with the remaining courses to be selected from Physical Education, Recreation, and Health Education electives.

Social Sciences*: Courses may be selected from Anthropology, Economics, Geography, History, Political Science, Psychology, and Sociology. One of the Social Sciences not used to meet General Education or other curricular requirements must be represented.

*While only 15 semester hours are required in the above concentrations students wishing to teach in *departmentalized* programs (Grades 6-9) should be informed that to do so requires 18 semester hours in the teaching field. Further, where subject matter areas are divided into two or more specific courses, one must have at least five semester hours in the specific course to be taught. Please consult with advisor to select appropriate courses.

Honors Program for Elementary Majors with a 3.50 Cumulative GPA

The curriculum listed below meets the all-university General Education requirements as well as Illinois State requirements for teacher certification.

Students may apply for admission to the program after completing 24 but less than 90 semester hours toward graduation, including at least 15 semester hours at Eastern Illinois University. Students submit an application to the chairperson of the Department of Elementary, and Junior High School Education.

Art 1650	3 sem. hrs.
Elementary Education 2320, 3240, 3270, 3280, 3290, select one: Elementary Education 4480, 4490, 5260, or Junior High School Education 4280	18 sem. hrs.
Educational Foundation 4450	3 sem. hrs.
English 1001, 1002	6 sem. hrs.
Health Education 1200 ¹	2 sem. hrs.
Life Science 1000	3 sem. hrs.
Mathematics 1220, 3300	6 sem. hrs.
Music 1421	3 sem. hrs.
Physical Education 3600	2 sem. hrs.
Psychology 2310	3 sem. hrs.
Natural Sciences electives ²	6 sem. hrs.
Social Studies electives ³ (see distribution requirements)	6 sem. hrs.
Special Education 3000 or 3500	3 sem. hrs.
Speech Communication 1310	3 sem. hrs.
Student Teaching 4001	8 sem. hrs.
U.S. history or U.S. government	3 sem. hrs.
Humanities (see General Education requirements)	3 sem. hrs.
Senior Seminar	2 sem. hrs.
Electives needed to total 120 sem. hrs.	

¹May be satisfied by passing the Health Competency Examination, in which case the student must substitute one (1) semester hour in Physical Education or Health Education elective.

²Must include laboratory coursework in Physics and/or Chemistry.

³Six semester hours of social studies to be chosen from at least two of the following: Anthropology, Economics, Geography, History, Political Science, Sociology.

Engineering (B.S.)

This cooperative degree program, administered by the Pre-Engineering Studies Committee, requires about three years of work at Eastern Illinois University followed by two years of work at the University of Illinois. It is designed to provide engineering students with a broader base of liberal arts than is usually given in a four-year curriculum. Upon completion of the program the student receives a Bachelor of Science degree from Eastern Illinois University and a Bachelor of Science in Engineering degree from the University of Illinois. Interested students should consult with the chairperson of the Pre-Engineering Studies Committee for detailed requirements of the program.

Chemistry 1310 or 1300; 1315, 1510, 1515	8 sem. hrs.
English 1001, 1002	6 sem. hrs.
Health Education 1200	2 sem. hrs.
Humanities electives	9 ¹ sem. hrs.
Industrial Technology 1043	3 sem. hrs.
Mathematics 2351, 2352, 2361, 2362, 2371, 3501	17 sem. hrs.
Physics 1350, 1360, 1370, 2390, 2400	18 sem. hrs.
Speech Communication 1310	3 sem. hrs.
Social Studies electives	9 ¹ sem. hrs.
Total	75 sem. hrs.
Elective credit to bring the total to 90 semester hours.	

¹These courses should be selected in consultation with the chairperson of the Pre-Engineering Studies Committee to insure that the University of Illinois' requirements will also be fulfilled.

After completing 60 semester hours in this curriculum, a student may apply to the Pre-Engineering Studies Committee for admission as an engineering candidate. The requirements for admission as an engineering candidate are minimum grade-point average of 2.50 and approval by the committee. Continuation as an engineering candidate includes meeting the transfer requirements of the College of Engineering at the University of Illinois.

A student who transfers into this curriculum from another college or university must be in residence at Eastern Illinois University for at least one semester before he/she becomes eligible for admission as an engineering candidate.

English (B.A.)

Major:

English 2601, 2901 or 3901, 3001, 4300, 4950	15 sem. hrs.
Any two courses from Group 2 except 2006 and 2008 in combination	6 sem. hrs.
Two courses from each of Groups 3, 4, and 5	18 sem. hrs.
Four additional courses in English	

OR

Eight semester hours of a single foreign language (excluding conversational courses) and two additional courses in English	12-14 sem. hrs.
Total	51-53 sem. hrs.

Note: The English groups are listed in Section X under English, and are also indicated in the course descriptions.

(Major GPA based on all English courses except English 1001 and 1002, taken at Eastern Illinois University.)

Minor:

English 3001	3 sem. hrs.
Electives in English selected in consultation with an English advisor. These must include at least one other course numbered 3000 or above, may not include more than three hours of 3990, and must exclude 3400 and 4906	15 sem. hrs.
Total	18 sem. hrs.

English (B.A. for Teacher Certification)

Major (Standard High School Certificate. No minor required.):

English 2601, 2901, 3001, 3400, 4300, 4950	18 sem. hrs.
Any two courses from Group 2 except 2006 and 2008 in combination	6 sem. hrs.
Two courses from each of Groups 3, 4, and 5	18 sem. hrs.
Three additional courses in English	

OR

Eight semester hours of a single foreign language (excluding conversational courses) and one additional course in English	9-11 sem. hrs.
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Total 51-53 sem. hrs.

(Major GPA based on all English courses, except English 1001 and 1002, taken at Eastern Illinois University.)

English (B.A. for Teacher Certification)

Major (Standard High School Certificate. A minor is required.):

English 2601, 2901, 3001, 3400, 4300, 4950	18 sem. hrs.
Any two courses from Group 2 except 2006 and 2008 in combination	6 sem. hrs.
Two courses from each of Groups 3, 4, and 5 and one additional course in English	

OR

Eight semester hours of a single foreign language (excluding conversational courses) and five courses from Groups 3, 4, and 5 selected so that two courses are from each of two of those Groups and one is from the other	21-23 sem. hrs.
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Total 45-47 sem. hrs.

(Major GPA based on all English courses, except English 1001 and 1002, taken at Eastern Illinois University.)

Minor (for teacher certification):

English 2601, 2901, 3001, 3400	12 sem. hrs.
Three courses: one from Group 2, one from either Group 3 or Group 4, and one from Group 5	9 sem. hrs.
Total	21 sem. hrs.

Environmental Biology (B.S.)

Major:

Botany 1010, 1022, 3100, 3300	13 sem. hrs.
Botany 3541 or Zoology 3100	4 sem. hrs.
Chemistry (1310, 1315) or (1300, 1315); 1410, 1415	8 sem. hrs.
Economics 3810	3 sem. hrs.
Earth Science 1410 or 1420 or Geology 1400	3-4 sem. hrs.
Environmental Biology 2010, 4275, 4750	18 sem. hrs.
Life Science 1000, 3200	6 sem. hrs.
Zoology 1010, 2000 or 2100, 3300, 3700	14-15 sem. hrs.
Any two of: Botany 4811, Zoology 4800, 4810	6 sem. hrs.
Total	75-77 sem. hrs.

(Major GPA based on all life science, botany, environmental biology, and zoology courses taken at Eastern Illinois University.)

Finance (B.S. Bus.)

Major:

Accountancy 2100, 2150	6 sem. hrs.
Data Processing 2175	3 sem. hrs.
Economics 2801, 2802, 3860	9 sem. hrs.
Finance 3710, 3720, 3730, 4830	12 sem. hrs.
Management 2460, 2810, 3010, 3950, 4360	15 sem. hrs.
Marketing 3470	3 sem. hrs.
Mathematics 2110, 2120 ¹	6 sem. hrs.
Political Science 1103 or 2603 or Sociology 2710	3 sem. hrs.
Non-business electives	4 sem. hrs.
Five of (at least three must be Finance): Finance 3740, 3750, 3900, 4200, 4820, Management 3800, 3470, Accountancy 4800	15 sem. hrs.
Total	76 sem. hrs.

(Major GPA based on all College of Business courses taken.)

¹On the basis of the Eastern Illinois University Mathematics Placement Examination a student may also be required to take Mathematics 1270 and/or 1271.

Foreign Language—French, German, or Spanish (B.A.)

Major:

A major in French, German, or Spanish shall consist of 32 semester hours in one language beyond the course numbered 2201 in that language.

Note: Students with high school units of foreign language do not receive university credit for those units. See Section X under Foreign Languages.

(Major GPA is based on all courses in the major language taken at Eastern Illinois University.)

Minor:

A minor in French, German or Spanish shall consist of 18 elective hours in the language with at least six hours in courses numbered 3000 or above. Courses are to be selected in consultation with an advisor in the Department of Foreign Languages.

However, with the approval of the appropriate language section supervisor and the concurrence of the department chairperson, students with three or four years of high school study in the language, or the equivalent, may be placed in one of the following alternate plans:

1) 2202 (4 hours) plus nine hours in courses numbered 3000 or above. Upon completion of these hours the student will be exempted from five hours of lower division coursework ordinarily required for the minor.

2) Nine hours in courses numbered 3000 or above. Upon completion of these hours the student will be exempted from nine hours of lower division coursework ordinarily required for the minor.

Note: Courses taken on credit/no credit basis do **not** count toward this minor.

Honors Program for German Majors With 3.50 Cumulative GPA

Admission to the Honors Program requires a 3.50 GPA and permission of the Director of the Honors Program and the Departmental Honors Coordinator.

German 4444, 4644, 4666 (taken twice) ... 12 sem. hrs.	
Electives in German numbered above 2201	32 sem. hrs.
Total	44 sem. hrs.

Note: German majors may satisfy the requirements for Departmental Honors by meeting the normal requirements for the German major and successfully completing the above courses.

German minors and other non-majors may participate in the Honors Program if they meet all necessary prerequisites for the courses listed above and have permission of the Director of the Honors Program and the Departmental Honors Coordinator.

Foreign Language—French or Spanish (B.A. for Teacher Certification)

Major (Standard High School Certificate):

Courses numbered beyond 2201 in the language of the major	32 sem. hrs.
Foreign Language 3200, 3400, 3510	7 sem. hrs.
Total	39 sem. hrs.

Note: Students do not receive university credit for high school units in French or Spanish. (See Section X under Foreign Languages.)

(Major GPA is based on Foreign Language 3400 and all courses in the major language taken at Eastern Illinois University.)

Minor (for teacher certification)

Courses numbered beyond 1101 in the language of the minor	21 sem. hrs.
Foreign Language 3200, 3400, 3510	7 sem. hrs.
Total	28 sem. hrs.

Note: Students do not receive university credit for high school units in French or Spanish. (See Section X under Foreign Languages.)

Note: Courses taken on credit/no credit basis do **not** count toward this minor.

Foreign Language—German (B.A. for Teacher Certification)

Major (Standard High School Certificate):

German courses numbered beyond 2201	32 sem. hrs.
Foreign Language 3400	3 sem. hrs.
Total	35 sem. hrs.

Note: Students do not receive university credit for high school units in German. (See Section X under Foreign Languages.)

(Major GPA is based on Foreign Language 3400 and all courses in German taken at Eastern Illinois University.)

Minor (for teacher certification):

German courses numbered beyond 1101	24 sem. hrs.
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Notes: The student has the option of completing the 24 semester hour German minor by taking 21 semester hours of German above 1101 plus Foreign Language 3400 unless he or she must take this course for a major or minor in another foreign language.

Students do not receive university credit for high school units in German. (See Section X under Foreign Languages.)

Note: Courses taken on credit/no credit basis do **not** count toward this minor.

Foreign Language—Latin

Minor (for teacher certification):

Latin courses numbered beyond 1101 24 sem. hrs.

Notes: The student has the option of completing the 24 semester hour Latin minor by taking 21 semester hours of Latin above 1101 plus Foreign Language 3400 unless he or she must take this course for a major or minor in another foreign language.

Students do not receive university credit for high school units in Latin. (See Section X under Foreign Languages.)

Note: Courses taken on credit/no credit basis do **not** count toward this minor.

Geography (B.S.)

Major:

Geography 1300, 1500, Earth Science 1420	9 sem. hrs.
Two courses from: Geography 3200, 3300, Earth Science 2420, 3410	6 sem. hrs.
Geography 3000 or 3025 or 3050	3 sem. hrs.
Three courses from: Geography 3600, 3650, 3700, 3750, 3775	9 sem. hrs.
Two courses from: Geography 3800, 3825, 3850, 3875	6 sem. hrs.
Geography electives	9 sem. hrs.
Total	42 sem. hrs.

(Major GPA based on all earth science and geography courses taken at Eastern Illinois University.)

Minor:

Geography 1300, 1500, Earth Science 1420	9 sem. hrs.
Geography 3200 or 3300	3 sem. hrs.
Geography 3000 or 3025 or 3050	3 sem. hrs.
Geography 3600 or 3650 or 3700 or 3750 or 3775	3 sem. hrs.
Geography 3800 or 3825 or 3850 or 3875	3 sem. hrs.
Total	21 sem. hrs.

Geography (B.S. for Teacher Certification)**Major** (Standard High School Certificate):

Geography 1300, 1500, Earth Science 1420	9 sem. hrs.
Two courses from: Geography 3200, 3300, Earth Science 2420, 3410	6 sem. hrs.
Geography 3000 or 3025 or 3050	3 sem. hrs.
Three courses from: Geography 3600, 3650, 3700, 3750, 3775	9 sem. hrs.
Geography 3800 or 3825 or 3850 or 3875	3 sem. hrs.
Social Science 3400	3 sem. hrs.
Geography electives	12 sem. hrs.
Total	45 sem. hrs.

(Major GPA based on Social Science 3400 and all geography and earth science courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Geography 1300, 1500, Earth Science 1420	9 sem. hrs.
Geography 3200 or 3300	3 sem. hrs.
Geography 3000 or 3025 or 3050	3 sem. hrs.
Geography 3600 or 3650 or 3700 or 3750 or 3775	3 sem. hrs.
Geography 3800 or 3825 or 3850 or 3875	3 sem. hrs.
Social Science 3400	3 sem. hrs.
Geography Elective	3 sem. hrs.
Total	27 sem. hrs.

Geology (B.S.)**Major:**

Chemistry (1310, 1315) or (1300, 1315); (1410, 1415) or (1510, 1515)	8 sem. hrs.
Electives from: Geology 3525, 3460, 3470, 3490, 4400, 4891, Earth Science 2420, 2460, Geography 3800, 3850	6 sem. hrs.
Geology 1400, 2430, 2440, 3405, 3510, 3420, 3430, 4000, 4460, 4465, 4480, 4490	41 sem. hrs.
Mathematics 1310, 2351	6 sem. hrs.
Physics 1150, 1160	8 sem. hrs.
Zoology 1010 or Botany 1010	4 sem. hrs.
Life Science 1000	3 sem. hrs.
Total	76 sem. hrs.

(Major GPA based on all geology and earth science courses taken at Eastern Illinois University.)

Minor:

Geology 1400, 2430, 2440, 3405, 3430	17 sem. hrs.
Three semester hours elective in Geology	3 sem. hrs.
Total	20 sem. hrs.

Health Education (B.S.)**Major: Health Education**

Community Health Option

Health Education 2270, 3750, 4275, 4760, 3700, 3765	23 sem. hrs.
Data Processing 1250 or 2175 or Health Education 3199	2-3 sem. hrs.
Management 2460 or Business Education 1420 or Accountancy 2100	3 sem. hrs.
Zoology 2999	3 sem. hrs.
Select 10 semester hours from the following: Health Education 1120, 2320, 2900, 3001, 3010, 3100, 3200, 3300, 3350, 3500, 3560, 4741, 4800, 4890; Home Economics 2800, 3190; Environmental Biology 2010; Psychology 3550; Sociology 4702, 4730; Zoology 2000	10 sem. hrs.
Total	41-42 sem. hrs.

(Major GPA based on health education courses taken at Eastern Illinois University.)

Health Education (B.S. for Teacher Certification)**Major** (Standard High School Certificate):

Health Education 1200, 2270, 3200, 3400, 3750, 4275	22 sem. hrs.
Zoology 2999	3 sem. hrs.
Twelve semester hours chosen from at least three of the following areas:	12 sem. hrs.
<i>Ecological Relationships:</i> Environmental Biology 2010	
<i>Disease Control:</i> Health Education 2900	
<i>Human Sexuality and Family Life:</i> Health Education 3500, 3560, 4890, Home Economics 2800, Sociology 4730	
<i>Food Practices and Eating Patterns:</i> Home Economics 3190	
<i>Safety:</i> Health Education 2320 or 3100; 3001, 3300, 3340, 3350	
<i>Mood-Modifying Substances:</i> Health Education 4800	
<i>Mental/Emotional Health:</i> Psychology 3550	
<i>Supportive Content:</i> Health Education 3199, 4741, 4760, Sociology 4702	
Total	37 sem. hrs.

(Major GPA based on health education courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Health Education 1200, 2270, 3200, 3400	11 sem. hrs.
Nine semester hours taken from three or more of the following areas:	9 sem. hrs.
<i>Ecological Relationships:</i> Environmental Biology 2010	
<i>Disease Control:</i> Health Education 2900	
<i>Human Sexuality and Family Life:</i> Health Education 3500, 3560, 4890, Home Economics 2800, Sociology 4730	
<i>Food Practices and Eating Patterns:</i> Home Economics 3190, 1150	
<i>Safety:</i> Health Education 2320, 3001, 3100, 3300, 3340, 3350	
<i>Mood-Modifying Substances:</i> Health Education 4800	
<i>Mental/Emotional Health:</i> Psychology 3550	
Total	20 sem. hrs.

History (B.A.)**Major:**

History 1100, 2010, 2020, 3000, 3005, 3500	18 sem. hrs.
History electives numbered above 3000 to include 9 sem. hrs. in U.S. history and 9 sem. hrs. in non-U.S. history	27 sem. hrs.
Total	45 sem. hrs.

(Major GPA based on all history courses taken at Eastern Illinois University.)

Minor:

History 2010, 2020, 3000, 3005	12 sem. hrs.
History electives numbered above 3000 except 3750, 3990, and 4400	6 sem. hrs.
Total	18 sem. hrs.

History (B.A. for Teacher Certification)

Major (Standard High School Certificate. No minor required.):

History 1100, 2010, 2020, 3000, 3005, 3500	18 sem. hrs.
History electives numbered above 3000 to include 9 sem. hrs. in U.S. history and 9 sem. hrs. in non-U.S. history	18 sem. hrs.
Social Science 3400	3 sem. hrs.
Total	39 sem. hrs.

(Major GPA based on Social Science 3400 and all history courses taken at Eastern Illinois University.)

Minor (for teacher certification):

History 1100, 2010, 2020, 3000, 3005, 3500	18 sem. hrs.
History electives numbered above 3000 to include 3 sem. hrs. in U.S. history and 3 sem. hrs. in non-U.S. history	6 sem. hrs.
Social Science 3400 ¹	3 sem. hrs.
Total	27 sem. hrs.

Satisfactory completion of this minor requires: (1) a grade of "C" or better in each course that applies to the 24 semester hours of history required; (2) a cumulative grade-point average of at least 2.25 in all history courses attempted at Eastern Illinois University; and (3) at least 12 semester hours of the 24 semester hours requirement in history must be in courses taken at Eastern Illinois University. Courses taken on a Credit/No Credit basis do not count toward this minor.

¹Social Science 3400 may be omitted if the student has credit in a methods course in one of the following: business education, English, foreign language, life science, mathematics, physical science, or speech communication.

Home Economics (B.S.)**Major (Home Economics):****Dietetics Option:**

Accountancy 2100	3 sem. hrs.
Botany 2340	3 sem. hrs.
Chemistry (1310, 1315) or (1300, 1315), 1410, 1415, 3430, 3435, 3450	16 sem. hrs.
Economics 2801	3 sem. hrs.
Home Economics 1120, 1150, 2120, 2150, 2244, 2400, 2800, 2850, 3120, 3140, 3151, 3300, 4140, 4750, 4751, 4940	42 sem. hrs.
Management 3010	3 sem. hrs.
Mathematics 1271 or higher (except Mathematics 2250 which will not meet ADA requirements)	5 sem. hrs.
Psychology 2310, 3530, 3620	8 sem. hrs.
Sociology 2710	3 sem. hrs.
Zoology 2999	3 sem. hrs.
Total	89 sem. hrs.

Home Economics in Business Option:

Accountancy 2100	3 sem. hrs.
Business Education 1420, 2010	6 sem. hrs.
Data Processing 2175	3 sem. hrs.
Economics 2801, 2802	6 sem. hrs.
Home Economics 1150, 2244, 2400, 2800, 3300, 3920, 3925, 4275, 4770	22 sem. hrs.
Journalism 3820	3 sem. hrs.
Management 3010	3 sem. hrs.
Marketing 3470	3 sem. hrs.
Psychology 2310	3 sem. hrs.
Area I or II or III	21-31 sem. hrs.
Total	73-83 sem. hrs.

Area I (Foods & Nutrition): Botany 2340; Chemistry (1300, 1315) or (1310, 1315) or 1050; Home Economics 1120, 2120, 2150, 2250, 3120, 3140, 3151, 4140, 4940. Total, 31 sem. hrs.

Area II (Fashion & Merchandising): Home Economics 2233, 2234, 2270; select 17 sem. hrs. from: Home Economics 2231, 2232, 3233, 3235, 3237, 3245, 3280, 4238, 4300, 4780, Theatre Arts 3358. Total, 23 sem. hrs.

Area III (Consumer Affairs): Accountancy 2200; Business Education 3300; Home Economics 1120, 2270, 4300; Management 2460; Psychology 4870. Total, 21 sem. hrs.

Family Service Option:

Educational Guidance 4900	3 sem. hrs.
Home Economics 1120, 1150, 2244, 2270, 2400, 2800, 2850, 3300, 3307, 4275 (3 sem. hrs.), 3853, 4845	32 sem. hrs.
Select 13 sem. hrs. from the following: Home Economics 3800, 3820, 4300, 4840, 4846, 4851, 4854, 4859	13 sem. hrs.
Psychology 2310, 3520, 4780	9 sem. hrs.
Sociology 2710, 2720, 3600	9 sem. hrs.
Psychology or Sociology electives	6 sem. hrs.
Total	72 sem. hrs.

(Major GPA based on all home economics courses taken at Eastern Illinois University.)

Minor:

Home Economics 1150, 2800, 3300	9 sem. hrs.
Electives in Home Economics in consultation with a Home Economics advisor and including at least 3 additional sem. hrs. of courses numbered 3000 and above	9 sem. hrs.
Total	18 sem. hrs.

Home Economics Education (B.S. for Teacher Certification)

Major (Standard High School Certificate. No minor required.):

Home Economics 1120, 1150, 2120, 2234, 2244, 2250, 2270, 2400, 2401, 2800, 2850, 3235, 3300, 3307, 3400, 3853, 4275 (6 sem. hrs.), 4400, 4840	55 sem. hrs.
Economics 2801, Psychology 2310; 3 sem. hrs. in History 2010 or 2020 or Political Science 1103	9 sem. hrs.
H.Ed. 1200 plus 1 sem. hr. in H.Ed. or P.E.	3 sem. hrs.
Total	67 sem. hrs.

(Major GPA based on all home economics courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Home Economics 1120, 2800, 2850, 3234, 3235, 3400; 2244 or 3300	18-19 sem. hrs.
Electives in home economics	6-5 sem. hrs.
Total	24 sem. hrs.

Honors Program for Home Economics Majors with 3.50 Cumulative GPA

Admission to the Home Economics Honors Program requires a 3.50 cumulative GPA and permission of the Director of the Honors Program and the Department Honors Coordinator.

Home Economics 4444, 4555, 4644, 5238	12 sem. hrs.
Home Economics 1150, 2400, 2800, 3300, 4400	13 sem. hrs.

Industrial Technology (B.S.)

Major:

Chemistry (1310, 1315) or (1300, 1315), 1510, 1515	8 sem. hrs.
Economics 2801, 2802, 3890	9 sem. hrs.
Health Education 3350	2 sem. hrs.
Industrial Technology 1043, 3003, 3012, 3043, 4002, 4043, 4943	19 sem. hrs.
Management 3010, 3830	6 sem. hrs.
Data Processing 1250 or 2175 or Mathematics 2310	3 sem. hrs.
Mathematics 1340, 2110	6 sem. hrs.
Physics 1350, 1360	8 sem. hrs.
Psychology 3530	2 sem. hrs.
Technology Education 1263, 1413, 2324	10 sem. hrs.
Technical concentration in electronics, construction, manufacturing processes, or general	12 sem. hrs.
Total	85 sem. hrs.

Technical Concentration I: Electronics: A minimum of 12 semester hours of coursework including study in the areas of digital electronics, semi-conductors, circuits, microprocessor electronics, and industrial electronics.

Technical Concentration II: Construction: A minimum of 12 semester hours of coursework including study in the areas of architectural planning, surveying, cost estimating, practices of construction and business law.

Technical Concentration III: Manufacturing Process: A minimum of 12 semester hours of coursework including study in the areas of casting, metallurgy, welding, and machine technology.

Technical Concentration IV: General: A minimum of 12 semester hours of in-depth technological coursework selected by the student in consultation with the advisor and approved by the department chairperson. The approved plan of study must be submitted to the certifying dean no later than the end of the semester in which the student will have earned 75 semester hours of credit. This submitted plan shall become a part of the degree requirements for the major.

(Major GPA based on specified courses only.)

Note: Independent study may not be used for concentrations.

Minor:

Technology Education 1263; Industrial Technology 1043, 4043; Management 3010 or Business Education 1420	12 sem. hrs.
Industrial Technology 3003 or 3012 or 3043 or 4002	2-3 sem. hrs.
Electives in Industrial Technology or Technology Education courses exclusive of Technology Education 2242 and 2252	7-6 sem. hrs.
Total	21 sem. hrs.

Journalism (B.A.)

Major:

Journalism 2100, 2101, 2102, 3001, 3100, 3101, 3201, 4275, 4276	23 sem. hrs.
Courses chosen from: Anthropology 2730; Economics 2802, 3880; English 2901 3001; History 4110, 4960; Philosophy 3300; Political Science 2603, 3733; Sociology 3681, 2761; Speech Communication 3300. (Must include at least one course each from three of the following areas: Economics, History, Political Science, Sociology.)	18 sem. hrs.
Upper division courses, ordinarily in a block from a single department, selected in consultation with the student's advisor and must be integrated into the student's program in journalism. Supporting areas outside Arts and Sciences may be recommended to satisfy this requirement for special research and career interests upon request by the student, approved by the student's advisor, and approved by the Dean, College of Arts and Sciences	12 sem. hrs.
Total	53 sem. hrs.

(Major GPA based on all journalism courses taken at Eastern Illinois University.)

Minor

Journalism 2101, 2102, 3001, 3100,
3101, 3201 18 sem. hrs.

Minor (for teacher certification):

Journalism 2100, 2101, 2102, 3100, 3101,
4800 18 sem. hrs.

Junior High School Education (B.S. Ed.)

Although this curriculum leads to a Standard High School Certificate enabling the graduate to teach in grades 6-12, the emphasis of the program is to provide special preparation for those interested in teaching in the departmentalized Junior High or Middle School (grades 6-9). The student must choose a major field of specialization and a minor field of specialization (or three minor fields) as outlined below.

Required Courses

Elementary Education 1230, 2320 5 sem. hrs.
Junior High School Education 3110;
3130 or 3140; 4280 9 sem. hrs.
Educational Foundation 4450 3 sem. hrs.
English 1001, 1002 6 sem. hrs.
Psychology 2310, 3521 5 sem. hrs.
Senior Seminar 2 sem. hrs.
Special Education 3000 or 3500 3 sem. hrs.
Speech Communication 1310 3 sem. hrs.
Student Teaching 4001 8 sem. hrs.
Humanities (see General Education
requirements) 9 sem. hrs.
Mathematics course to meet all-
university requirement 3 sem. hrs.
Mathematics-Science (see General
Education requirements) 9 sem. hrs.
Social studies electives (other than
Psychology)² 3 sem. hrs.
Physical education or health education¹ 3 sem. hrs.
U.S. history or U.S. government 3 sem. hrs.
Teaching Field I 32 sem. hrs.
Teaching Field II 24 sem. hrs.
Electives needed to total 120 semester hours

¹Must include Health Education 1200 or successful completion of the Health Competency Examination.

²Three semester hours Social Studies electives must be chosen from Anthropology, Economics, Geography, History, Political Science or Sociology listed on the General Distribution List.

ART

Field II: Art 1000; 1110 or 1650; 2050 or 3080; 2250 or 2700 or 2340; 2410; 2440; 2651; 3410; art electives. Total, 24 sem. hrs.

BIOLOGICAL SCIENCES

Field I: Life Science 1000, 3200; Environmental Biology 2010; Botany 1010, 1022; 3100 or 3200; Zoology 1010; 2100 or 3300; 3700. Electives in botany, environmental biology, zoology, or life science. Field I must include a minimum of 8 sem. hrs. in botany and 8 sem. hrs. in zoology. Total, 32 sem. hrs.

Field II: Life Science 1000; Botany 1010, 1022; Zoology 1010, 3300 or 3700. Electives in botany, environmental biology, zoology, or life science. Field II must include a minimum of 8 sem. hrs. in botany and 8 sem. hours in zoology. Total, 24 sem. hrs.

ENGLISH

Field I: English 1001, 1002, one of (3701, 3702, 3703), 2901, one of (2003, 3001, 4760, 4762), one of (3802, 3806, 3807, 3808); Information Services and Technology 3320; Speech Communication 1310; electives in English (recommended 2002, 2004, 2006, 2008). Total, 32 sem. hrs.

Field II: English 1001, 1002, one of (3701, 3702, 3703), one of (2003, 3001, 4760, 4762), one of (3802, 3807, 3808); Information Services and Technology 3320; Speech Communication 1310; English electives (recommended 2002, 2004, 2006, 2008). Total, 24 sem. hrs.

FOREIGN LANGUAGES

Fields are available in French, German, Latin, and Spanish. A student with high school foreign language should consult Section X, under Foreign Languages, to determine upper course placement when continuing a language studied in high school. For a student initiating a given language at the college level the following courses must be included in the fields.

Field I: 1101, 1102, 2201, 2202, 3400, electives in that language. Total, 32 sem. hrs.

Field II: 1101, 1102, 2201, 2202, 3400, electives in that language. Total, 24 sem. hrs.

GEOGRAPHY

Field II: Geography 1300, 1500, 3000, 3025; Earth Science 1420; electives in geography. Total, 24 sem. hrs.

HISTORY

Field II: History 1100*, 2010, 2020, 3000, 3005; 2 or 3 sem. hrs. in U.S. history; electives. Total, 24 sem. hrs.

*This course will count as general education humanities course but not as general education social studies course.

HOME ECONOMICS

Field II: Home Economics 1120, 1150, 2234, 2244, 2800, 2831, 2850, 3235, 3300. Total, 24 sem. hrs.

INDUSTRIAL ARTS

Field II: Technology Education 1364, 1413, 2064, 2324, 3293, 3400; electives in industrial technology or technology education. Total, 24 sem. hrs.

LIBRARY/MEDIA

Field II: Information Services and Technology 3200, 3220 or 3300, 3320, 4490, 4750, 4770, 4850, 4870, or 3300. Total, 24 sem. hrs.

MATHEMATICS

Field I: Mathematics 1220; 1310, 1340; 2250; 2310 or 2300; 2351, 2352, 3271; electives in mathematics numbered above 2000 except 2110, 2120, upper division recommended. Total, 32 sem. hrs.

Field II: Mathematics 1220; 1310, 1340; 2250; 2310 or 2300; 2351, 3271; electives in mathematics numbered above 2000 except 2110, 2120, upper division recommended. Total, 24 sem. hrs.

PHYSICAL EDUCATION

Field II: Physical Education 2410, 2440, 3400, 4320; two semester hours from Physical Education 2101, 2102, 2103, 2105; two semester hours from Physical Education 2390, 2360, 2380; two semester hours from Physical Education 1900, 1920, 1930, 2220; two or three semester hours from any 2000-level technique/theory course or 3000-level coaching course; three or two semester hours from physical education service courses (including an aquatics course or swimming proficiency). Total, 24 sem. hrs.

PHYSICAL SCIENCE

Field I: Chemistry (1310, 1315) or (1300, 1315); either (Chemistry 1410, 1415) or (Chemistry 1510, 1515); either (Physics 1150, 1160) or (Physics 1350, 1360); electives from chemistry, geology—earth science, physics with at least one course in each field. Total, 32 sem. hrs.

Field II: Chemistry (1310, 1315) or (1300, 1315); either (Chemistry 1410, 1415) or (Chemistry 1510, 1515); either Physics (1150, 1160) or (1350, 1360); electives from chemistry, geology—earth science, or physics. (Field II must include a minimum of 10 sem. hrs. in chemistry and 10 sem. hrs. in physics.) Total, 24 sem. hrs.

SOCIAL STUDIES

Field I: History 2010, 2020, 3000, 3005; two or three semester hours in U.S. history (upper division recommended); two or three semester hours in World or European history (upper division recommended); eight semester hours in geography or eight semester hours in political science; three semester hours in anthropology or sociology; three semester hours in economics. Electives in social studies other than psychology. Total, 32 sem. hrs.

Field II: History 2010, 2020, 3000, 3005; two or three semester hours in U.S. history electives (upper division recommended); two or three semester hours in World or European history (upper division recommended); six semester hours from one of the following: economics*, geography*, or political science*. Electives in social studies other than psychology. Total, 24 sem. hrs.

*Students should be aware that eight semester hours are required to teach these subjects in Illinois high schools.

SPEECH COMMUNICATION

Field II: Speech Communication 1310, 2300, 2320; Theatre Arts 1133; one of the following: Speech Communication 2520, 2540, 3520, 3540; one of the following: Speech Communication 3200, 3230, 4170; one of the following: Theatre Arts 1257, 3431, 3445; electives from speech communication, speech pathology and audiology, theatre arts, and/or journalism. Total, 24 sem. hrs.

Management (B.S. Bus.)**Major:**

Accountancy 2100, 2150	6 sem. hrs.
Data Processing 2175	3 sem. hrs.
Economics 2801, 2802, 3860	9 sem. hrs.
Finance 3710	3 sem. hrs.
Management 2460, 2810, 3010, 3830, 3950, 4310, 4360	21 sem. hrs.
Marketing 3470	3 sem. hrs.
Mathematics 2110, 2120 ¹	6 sem. hrs.
Political Science 1103 or 2603 or Sociology 2710	3 sem. hrs.
Non-business elective(s)	4 sem. hrs.
Select concentration in Operations Management or Human Resources	12 to 15 sem. hrs.
Total	70 or 73 sem. hrs.

Operations Management: Management 3800, 3820, 4320, 4350. Total, 12 sem. hrs.

Human Resources Management: Management 3450, 3470, 4370, 4380, 4450. Total, 15 sem. hrs.

(Major GPA based on all College of Business courses taken.)

¹On the basis of the Eastern Illinois University Mathematics Placement Examination, a student may also be required to take Mathematics 1270 and/or 1271.

Marketing (B.S. Bus.)**Major:**

Accountancy 2100, 2150	6 sem. hrs.
Data Processing 2175	3 sem. hrs.
Economics 2801, 2802, 3860	9 sem. hrs.
Finance 3710	3 sem. hrs.
Management 2460, 2810, 3010, 3950, 4360	15 sem. hrs.
Marketing 3470, 3490, 3720, 4470, 4780, 4860, 4875, 4900; 3600 or 4490 or 4876 or 4100	27 sem. hrs.
Mathematics 2110, 2120 ¹	6 sem. hrs.
Political Science 1103 or 2603 or Sociology 2710	3 sem. hrs.
Non-business elective(s)	6 sem. hrs.
Total	78 sem. hrs.

(Major GPA based on all College of Business courses taken.)

¹On the basis of the Eastern Illinois University Mathematics Placement Examination a student may also be required to take Mathematics 1270 and/or 1271.

Mathematics (B.A.)**Major:**

Mathematics 2310, 2351, 2352, 2361,
2362, 2371, 3530, 3701, 3702, 3800 29 sem. hrs.
Plus courses from Group I or

Group II 20-34 sem. hrs.

Total 49-63 sem. hrs.

I. Mathematics 4760, 4860 8 sem. hrs.

Electives chosen from Mathematics

3271, 3272, 3501, 3502, 3770, 4750,
4770, 4850, 4910 12 sem. hrs.

Total 20 sem. hrs.

OR

II. Mathematics 2670, 3570, 4750, 4850.. 12 sem. hrs.

Mathematics 2550 or 4760 3-4 sem. hrs.

Economics 2801, 2802, 4802 9 sem. hrs.

Accountancy 2100, 2150 6 sem. hrs.

Management 3010 3 sem. hrs.

Total 33-34 sem. hrs.

(Major GPA based on all mathematics courses taken at Eastern Illinois University.)

Minor:

Mathematics 2351, 2352, 2361, 2362 12 sem. hrs.

Electives in Mathematics selected in
consultation with a mathematics advisor.

These may be in any course numbered

2250 or above, with at least six sem.

hrs. numbered 3000 or above, but excluding

3190, 3200, 3210, 3300, and 3400 9 sem. hrs.

Total 21 sem. hrs.

Mathematics (B.A. for Teacher Certification)**Major (Standard High School Certificate):**

Mathematics 2310, 2351, 2352, 2361,
2362, 2371; 2550 or 4760; 3271, 3272,
3400, 3530, 3701, 3702, 3800 42-43 sem. hrs.

Electives chosen from any mathematics
course numbered 3501 or above¹ 4 sem. hrs.

Total 46-47 sem. hrs.

(Major GPA based on all mathematics courses taken at Eastern Illinois University.)

¹Four semester hours required if no minor is chosen.

Minor (for teacher certification):

Mathematics 2300 or 2310; 2351, 2352, 2361,
2550, 3271, 3400, 3530, 3701 27-29 sem. hrs.

Media Services (for Teacher Certification)**Minor:**

Information Services and Technology

3200, 3300, 4750, 4770, 4850,

and 4870 18 sem. hrs.

Medical Technology (B.S.)

This cooperative degree program, administered by the Health Professions Studies Committee, leads to the Bachelor of Science degree. It is a four-year program including three years of college work followed by one year of work in an affiliated hospital. The degree requires 120 semester hours of credit including 90 semester hours at Eastern Illinois University (or a combination of transfer credits and credits earned at Eastern totaling 90 semester hours) and 30 semester hours accepted as transfer credit for successful completion of a one-year program in medical technology at an affiliated hospital.

After completing 40 semester hours of this program a student should apply to the Health Professions Studies Committee for admission to the medical technology program. Approval by the Committee is required for admission and continuing in the Medical Technology program. The decisions of the Committee are based on the availability of spaces in approved affiliated hospitals for the fourth year of the program as well as the applicant's academic qualifications. Admission to the medical technology program does not insure admission to an affiliated hospital medical technology program. Eastern Illinois University cannot guarantee admission to any of its affiliated hospitals.

Requirements:

English 1001, 1002 6 sem. hrs.

Health Education 1200 2 sem. hrs.

Speech-Communication 1310 3 sem. hrs.

Humanities electives 9 sem. hrs.

Social Studies electives 9 sem. hrs.

Mathematics elective 3 sem. hrs.

Life Science 1000 3 sem. hrs.

Zoology 1010, 2000, 3600, 3800 13 sem. hrs.

Botany 3300 4 sem. hrs.

Chemistry (1310, 1315) or (1300, 1315);

1410, 1415, 2720, 3430, 3435 16 sem. hrs.

Total 68 sem. hrs.

Electives 22 sem. hrs.

**Professional training in an affiliated
school of medical technology** 30 sem. hrs.

Total 120 sem. hrs.

(Major GPA based on specific courses in botany, chemistry, life science, mathematics, medical technology, and zoology.)

Military Science**Minor:**

Military Science 1001, 1002, 2001,

2002 or 2003 5 sem. hrs.*

Military Science 3001, 3002, 3003,

4001, 4003, 4004 22 sem. hrs.

Total 27 sem. hrs.

*(Lower division credit semester hours can be waived for advanced placement students who qualify, i.e., National Guard, Reserves, Veterans or JROTC.)

Music (B. Mus.)

Major (Music):

Performance Option:

- #Music 1541, 1542, 1543, 1544, 2541, 2542, 2543, 3542; at least 2 sem. hrs. from 0070, 2070, 3542, 3547, 4541, 4542, 4750, 4840, 4850, 4600*, 4990* 19 sem. hrs.
- Music History 1581, 3581, 3582; at least 2 sem. hrs. from 4600*, 4870, 4990* 11 sem. hrs.
- Recital 1103 (each semester) (no credit)
- Choose one of the following emphases 48-63 sem. hrs.
- Total 78-93 sem. hrs.
1. String, Wind, or Percussion Instruments Emphasis. Two semesters of class piano or completion of Music 2204; Music 2360, 3260, 3547; 3 sem. hrs. in music electives; 8 sem. hrs. of instrumental ensemble, including at least 1 sem. hr. of 0600 and 4 sem. hrs. from 0100, 0110 or 0120; 30 sem. hrs. in primary instrument. Total, 48 sem. hrs.
 2. Keyboard Emphasis. Music 2205, 2206, 8 sem. hrs. in ensemble including 1 sem. hr. in 4950, 1-2 sem. hrs. in 0600, and 5-6 sem. hrs. from 0100, 0110, 0120, or 0300; choose primary study in one of the following applied areas. Total, 52-63 sem. hrs.
 - a. Piano Primary: Music 3221, 3222, 4920 (taken twice); 30 sem. hrs. in applied piano (may include 4 sem. hrs. of secondary applied keyboard); 1 sem. hr. in music electives; 2 sem. hrs. from 2155, 2360, 3155, or 3260. Total, 45 sem. hrs.
 - b. Organ or Harpsichord Primary: 30 sem. hrs. in applied harpsichord or organ (may include 4 sem. hrs. in secondary applied keyboard); complete either the instrumental (2360, 3260) or choral (2155, 3155) sequence and one course from the other sequence; 8 sem. hrs. in music electives. Total, 42-43 sem. hrs.
 - c. Accompanying Primary: 2 sem. hrs. in Music 1136; 0010-001 taken twice; 3221, 3222, 4770, 4920; 2 sem. hrs. from 2155, 2360, 3155, 3260; 30 sem. hrs. in applied keyboard (may include 4 sem. hrs. of secondary applied keyboard); 6 sem. hrs. of French and/or German**. Total, 53 sem. hrs.
 3. Vocal Emphasis. Four semesters of class piano or completion of Music 2204; Music 2141, 2142; 30 sem. hrs. in applied voice; 5 sem. hrs. from 2155, 3155, 2360, 3260, 4770; 8 sem. hrs. in vocal ensemble from 0300, 0600-004, 3120; 8 sem. hrs. in a foreign language (1101 or above)**. Total, 57 sem. hrs.

#Majors are required to register for applied study and ensemble experience each semester in residence.

(Major GPA based on music courses only.)

*Independent study, workshops and experimental courses may fulfill music history or music theory requirements only with prior approval of the department chairperson and the music theory-history-literature area coordinator.

**Partially fulfills the humanities requirement.

Theory-Composition Option:

- #Music Theory 1541, 1542, 1543, 1544, 2541, 2542, 2543, 3542 (taken twice), 3547, 4541, 4542; at least 18 sem. hrs. from 0070, 2070, 3370 and approved music theory electives (including 4600* and 4990*) 44 sem. hrs.
- Music History 1581, 3581, 3582; at least 2 sem. hrs. from 4600*, 4870, 4990* 11 sem. hrs.
- Complete either the choral or instrumental conducting sequence (Music 2360, 3260) or (2155, 3155) 3 sem. hrs.
- Applied Study in Primary Instrument or Voice 10 sem. hrs.
- Piano Skills 1203, 1204, 2203, 2204 4 sem. hrs.
- Ensemble 6 sem. hrs.
- Recital 1103 (each semester) (no credit)
- Total 78 sem. hrs.

#Majors are required to register for applied study and ensemble experience each semester in residence.

(Major GPA based on music courses only.)

*Independent study, workshops and experimental courses may fulfill music history or music theory requirements only with prior approval of the department chairperson and the music theory-history-literature area coordinator.

Note: Students with an interest in teaching piano and/or certification by an organization such as Music Teachers National Association (MTNA) may be prepared through the fulfillment of the following courses:

- Music 0060 8 sem. hrs.*
- Music 1541, 1542, 1543, 1544, 2541 10 sem. hrs.
- Music 3582 3 sem. hrs.
- Music 2205, 3221, 3222, 4920, 4950 10 sem. hrs.
- Total 31 sem. hrs.

*4 sem. hrs. required after junior standing is achieved.

Minor:

- Music (1541 and 1542) or (2541 and 2542) 5-6 sem. hrs.
- Music history courses 3 sem. hrs.
- Electives in music selected in consultation with a music advisor and including at least 6 sem. hrs. of courses numbered 3000 and above 13-12 sem. hrs.
- Total 21 sem. hrs.

Music (B. Mus. for Teacher Certification)

Major (Standard Special Certificate. The student chooses one of three emphases.):

- #Music Theory 1541, 1542, 1543, 1544, 2541, 2542, 2543, 3542; at least 2 sem. hrs. from 0070, 2070, 3542, 3547, 4541, 4542, 4600*, 4750, 4840, 4850, 4990* 19 sem. hrs.
- Music History 1581, 3581, 3582 9 sem. hrs.
- Music Education 2440 1 sem. hr.
- Recital 1103 (each semester) (no credit)
- Choose one of the following emphases 34-43 sem. hrs.
- Total 63-72 sem. hrs.

#Majors are required to register for applied study and ensemble experience each semester in residence.

1. Instrumental Emphasis.

Music 1136 or 3136; at least 1 sem. hr. of vocal ensemble from Music 0300, 0600-004, 3120; 1301, 2360, 3260, 3400; at least 2 sem. hrs. from 3547, 4840, 4850. Choose one of the following principals. Total, 34-40 sem. hrs.

a. String, Wind, or Percussion Instrument Principal: Music 1302, 1303, 1304, 1305, 1306; two semesters of class piano or completion of 2204; 10 sem. hrs. in applied instrument distributed over 7 semesters; 6 sem. hrs. in instrument ensembles (must include more than one ensemble). Total, 23 sem. hrs.

b. Keyboard Principal: Music 1302, 1303, 1304, 1305, 1306, 2205, 2206, 3221; 3222 (organists may substitute 2155); 10 sem. hrs. in applied keyboard; 6 sem. hrs. in instrumental ensemble. Total, 28 sem. hrs.

c. Composition Principal: Four semesters of class piano or completion of Music 2204; 3 sem. hrs. from Music 1302, 1303, 1304, 1305, 1306; 10 sem. hrs. of applied composition; 6 sem. hrs. of instrumental ensemble. Total, 23 sem. hrs.

d. Accompanying Principal: Music 0600, 1302, 1303, 1304, 1305, 1306, 2205, 2206, 4950; 9 sem. hrs. in applied keyboard; 5 sem. hrs. in instrumental ensembles; 6 sem. hrs. of French and/or German**. Total, 29 sem. hrs.

2. Vocal Emphasis.

Music 2155, 3155, 3439, 3440; at least 2 sem. hrs. from Music 3547, 4750, 4840, 4850; 4 sem. hrs. in vocal ensembles from either 0300 or 0600-004. Choose one of the following principal areas of study. Total, 36-43 sem. hrs.

a. Vocal Principal: Four semesters of class piano or completion of Music 2204; 1301, 1302, 1305, 2141, 2142; Music 3120 (taken twice); 3136 (taken twice); 9 sem. hrs. in applied voice. Total, 22 sem. hrs.

b. Keyboard Principal: Music 1136 (taken twice); Music 1301, 1302, 1305, 2205, 2206, 3221; 3222 (organists may substitute 2360); 3 sem. hrs. in vocal ensembles from 0300 or 0600-004; 10 sem. hrs. in applied keyboard. Total 27 sem. hrs.

c. Composition Principal: Music 1136 (taken twice); 3136 (taken twice); four semesters of class piano or completion of Music 2204; at least two courses from: 1301, 1302, 1303, 1304, 1305; Music 2141, 2142; 3 sem. hrs. in vocal ensembles from 0300 or 0600-004; at least 10 sem. hrs. in applied composition. Total, 25 sem. hrs.

d. Accompanying Principal: Music 1136 (taken twice); 3136 (taken twice); Music 0600; 2 sem. hrs. in vocal ensembles from 0300 or 0600-004; 1301, 1302, 1305, 2141, 2142, 2205, 2206, 4950; 8 sem. hrs. in applied keyboard; 6 sem. hrs. of French and/or German**. Total, 29 sem. hrs.

3. General Music Emphasis.

Music (1203, 1204) or (2203, 2204); (2155, 3155) or (2360, 3260); 3120 (taken twice); Fine Arts 2002**; Music 3439, 3440; 4 sem. hrs. in applied voice; 5 sem. hrs. in vocal ensembles; 9 sem. hrs. selected from at least two of the following areas: Art 2651, 2652, 2653, English 3405, 2003, 2004, Theatre Arts 1133, 2240, 3431, Philosophy 3040. Total, 35 sem. hrs.

(Major GPA based on music courses only.)

*Independent study and workshops may fulfill music history or music theory requirements only with prior approval of the department chairperson and the music theory-history-literature area coordinator.

**Partially fulfills the humanities requirement.

Minor (for teacher certification):

Music 1103, 1541, 1542, 1543, 1544, 1581, 2440, 2541, 2543, 3581, 3582 21 sem. hrs.

Either Vocal Emphasis or Instrumental

Emphasis 12-13 sem. hrs.

Vocal Emphasis:

Music 2155, 3155, 3439 or 3440; 3 sem. hrs. in applied piano distributed over three semesters; 4 sem. hrs. in applied voice distributed over four semesters. Total, 12-13 sem. hrs.

Participation for at least four semesters in a university choral organization is required.

Instrumental Emphasis:

Music 1302, 1303, 1305, 1306, 2360, 3260, 3400; 3 sem. hrs. in applied instrumental music distributed over three semesters. Total, 13 sem. hrs.

Participation for at least four semesters in a university instrumental organization is required.

Total 33-34 sem. hrs.

Philosophy (B.A.)**Major:**

Philosophy 1800, 1900, 2000, 4480 12 sem. hrs.

Electives in philosophy 24 sem. hrs.

Total 36 sem. hrs.

(Major GPA based on all philosophy courses taken at Eastern Illinois University.)

Minor:

Philosophy 1800, 1900 6 sem. hrs.

Electives in philosophy to include at least six sem. hrs. of courses numbered 3000 and above..... 12 sem. hrs.

Total 18 sem. hrs.

Physical Education (B.S.)**Major:**

Health Education 1200¹ 2 sem. hrs.

Physical Education 1500, 1520, 2230, 2440, 4320, 4340, 4750..... 19 sem. hrs.

Six activity courses including aquatics

or proficiency²..... 6 sem. hrs.

Zoology 2999 3 sem. hrs.

Two 2-sem. hrs. Technique/Theory courses (one team sport and one individual/dual sport)²..... 4 sem. hrs.

Physical Education electives with approval of advisor³ 12 sem. hrs.

Total 46 sem. hrs.

(Major GPA based on physical education courses only.)

Note: Non-teaching minor or 24 sem. hrs. related electives selected with approval of advisor recommended.

¹May be met by satisfactorily completing proficiency or satisfactorily completing competency examination.

²No duplication of 1-sem. hr. activity and 2-sem. hrs. technique/theory activities.

³One-sem. hr. activity classes not included unless directly related to career goal.

Physical Education (with Athletic Trainership Option) (B.S.)

Major:

Health Education 1200*, 2320 or 3100, 4275 (3 s.h.)	8 or 9 sem. hrs.
Home Economics 3190	2 sem. hrs.
Life Science 1000	3 sem. hrs.
Physical Education service courses (include one aquatics course or proficiency)	6 sem. hrs.
Physical Education 1130, 1500, 1520, 2130, 2131, 2132, 2230, 2440, 3131, 3132, 4320, 4340, 4741 (3 s.h.), 4750	36 sem. hrs.
Two 2000-level technique courses (1 team sport & 1 individual/dual)	4 sem. hrs.
Electives in courses from P.E.	12 sem. hrs.
Psychology 2310; psychology elective	5 or 6 sem. hrs.
Zoology 2000, 2999	6 sem. hrs.
Total	82-84 sem. hrs.

(Major GPA based on physical education, health education, zoology, and psychology courses in the option.)

*May be met by satisfactorily completing proficiency or satisfactorily completing competency examination.

Physical Education (B.S. for Teacher Certification)

Major (K-12 Standard Special Certificate):

Health Education 1200*	2 sem. hrs.
Physical Education service courses (include one aquatics course or proficiency)	5-6 sem. hrs.
Physical Education 1500, 1520, 2000, 2410, 2440, 2450, 3400, 4320, 4750	24 sem. hrs.
Zoology 2999	3 sem. hrs.
Electives from 2000-level technique courses	12 sem. hrs.
One or more from: 2101, 2102, 2103, 2105**	
One or more from: 2360, 2380, 2390	
Two or more from: 2220**, 2230**, 2240	
Field of specialization	12 sem. hrs.
Elective courses from health education, physical education, and recreation	6 sem. hrs.
Total	64-65 sem. hrs.

*May be met by satisfactorily completing proficiency or satisfactorily completing competency examination.

**Required of all majors.

Fields of Specialization:

Aquatics¹: Health Education 2320 or 3100; Physical Education 1460, 1480, 3350; Recreation 4790; one or two from: Physical Education 1420, 2144.

Dance: 12 semester hours from Physical Education 2270, 2960, 3230, 3200, 3620, 4741.

Elementary: Physical Education 3620, 3630; 6 sem. hrs. from Physical Education 3610, 4741, 3130 or Health Education 2320 or 3100, Elementary Education 2320. Total, 12 semester hours.

Secondary Teaching: 8-12 sem. hrs. from Physical Education 2000-level technique/theory courses, not taken as part of the general major requirements, 2000-level officiating courses, 3000-level coaching courses; and 4-0 sem. hrs. from Physical Education 2701, 2702, 2705, 2707, 3130, 3700, 4340, 4741. Total, 12 semester hours.

Secondary Coaching: 4 sem. hrs. from Physical Education 2000-level technique/theory courses, not taken as part of the general major requirements; and 8 sem. hrs. electives including one 3000-level coaching course and 5-6 sem. hrs. from Physical Education 3130, 3700, 4340, 4741 or officiating courses. Total, 12 semester hours.

General: 12 sem. hrs. selected in physical education in any combination from each field of specialization.

(Major GPA based on physical education courses only.)

¹Note: Students electing the aquatics specialization may take only one other swimming course as a part of the six 1-hour P.E. activities required of all physical education majors.

Physical Education (B.S. for Teacher Certification)

Major (6-12 Standard High School Certificate):

Health Education 1200*	2 sem. hrs.
Physical Education service courses (include one aquatics course or proficiency, one individual or dual sport course, one team course, and two or three elective courses)	5-6 sem. hrs.
Physical Education 1500, 2000, 2105, 2230, 2410, 2440, 2450, 3400, 4320, 4750	26 sem. hrs.
Physical Education 2220 or two of the following: 1900, 1920, 1930	2 sem. hrs.
Zoology 2999	3 sem. hrs.
Field of Specialization	12 sem. hrs.
Total	50-51 sem. hrs.

Fields of Specialization:

Aquatics¹: Health Education 2320 or 3100; Physical Education 1460, 1480, 3350; Recreation 4790; one or two from: Physical Education 1420, 2144.

Dance: 12 sem. hrs. from: Physical Education 2270, 2960, 3230, 3200, 3620, 4741.

†Secondary Teaching: 8-12 sem. hrs. from: 2000-level technique/theory courses, not taken as part of the general major requirements, 2000-level officiating courses, 3000-level coaching courses and 4-0 sem. hrs. from: Physical Education 3130, 3700, 4340, 4741. Total, 12 sem. hrs.

†Secondary Coaching: 4 sem. hrs. from Physical Education 2000-level technique/theory courses, not taken as part of the general major requirements; and 8 sem. hrs. as follows: one 3000-level coaching course and 5-6 sem. hrs. selected from: 2000-level officiating courses, 3000-level coaching courses, Physical Education 3130, 3700, 4340, 4741. Total, 12 sem. hrs.

General: 12 sem. hrs. from physical education courses in any combination from each field of specialization.

(Major GPA based on physical education courses only.)

¹Note: Students electing the aquatics specialization may take only one other swimming course as a part of the six 1-hour P.E. activities required of all physical education majors.

*May be met by taking the course, satisfactorily completing proficiency, or satisfactorily completing a competency examination.

†Activities taken in both one-hour activity and 2000-level technique/theory may count in only one category in meeting major requirements.

Physical Education (with Athletic Trainership Option) (B.S. for Teacher Certification)

Major (6-12 Standard High School Certificate):

Health Education 1200*, 2320 or 3100, 4275 (3 sem. hrs.)	8-9 sem. hrs.
Home Economics 3190	2 sem. hrs.
Life Science 1000	3 sem. hrs.
Physical Education service courses (include an aquatics course or proficiency), one individual or dual sport, one team sport, and two or three elective courses	5-6 sem. hrs.
Physical Education 1130, 1500, 2000, 2105, 2130 (taken four times), 2131, 2132, 2220, 2230, 2410, 2440, 2450, 3131, 3132, 3400, 4320, 4340, 4741 (3 s.h.), 4750	48 sem. hrs.
Psychology 2310; elective in psychology	5 or 6 sem. hrs.
Zoology 2000, 2999	6 sem. hrs.
Total	77 or 80 sem. hrs.

(Major GPA based on physical education, health education, zoology, and psychology courses in the option.)

*May be met by taking the course, satisfactorily completing proficiency, or satisfactorily completing a competency examination.

Minor (for teacher certification):

Teaching Option:	
Physical Education 2440, 2450, 3400, 3600, 4320, 4340	18 sem. hrs.
One of the following: Physical Education 2360, 2380, 2390	2 sem. hrs.
One of the following: Physical Education 2101, 2102, 2103, 2105	2 sem. hrs.
One one-semester-hour service course in dance	1 sem. hr.
One 3000-level coaching course	

OR

Three one-semester-hour Physical Education service courses	2-3 sem. hrs.
Total	25-26 sem. hrs.

Coaching Option:

(Note: the following courses do not satisfy requirements for state certification for a teaching field.)

Electives from Physical Education 2101, 2102, 2103, 2105, 2390, 2360, 2380	4 sem. hrs.
Physical Education 2440, 3130, 3700, 4320, 4340	15 sem. hrs.
Physical Education 3000-level teaching/coaching courses	6 sem. hrs.
Total	25 sem. hrs.

Physics (B.S.)

Major:

Chemistry (1310, 1315) or (1300, 1315); 1510; 1515	8 sem. hrs.
Mathematics 2351, 2352, 2361, 2362, 2371, 3501, 3502	20 sem. hrs.
Physics (1350, 1360)*	8 sem. hrs.
Physics 1370, 2390, 2400, 3410, 3420, 4000, 4010, 4840, 4850	27 sem. hrs.
Electives from Physics 3150, 4410, 4470, 4750, 4860, 4870	6-8 sem. hrs.
Total	69-71 sem. hrs.

(Major GPA based on all physics courses taken at Eastern Illinois University.)

Minor:

Physics 1350 or 1150, 1360 or 1160, 1370	12 sem. hrs.
Electives from: Physics 2390, 2400, 3010, 3011, 3012, 3150, 3410, 3420, 4470, 4750, 4840, 4850, 4860, (not more than 2 sem. hrs. from 3010, 3011, 3012)	6 sem. hrs.
Total	18 sem. hrs.

Physics (with Management Option) (B.S.)

Major:

Accountancy 2100, 2150	6 sem. hrs.
Chemistry (1310, 1315) or (1300, 1315); 1510; 1515	8 sem. hrs.
Course(s) in computer programming	2-3 sem. hrs.
Economics 2801, 2802	6 sem. hrs.
Finance 3710	3 sem. hrs.
Management 2460, 2810, 3010	9 sem. hrs.
Marketing 3470	3 sem. hrs.
Mathematics 2120, 2351, 2352, 2361, 2362, 2371	17 sem. hrs.
Physics (1350, 1360)*	8 sem. hrs.
Physics 1370, 2390, 2400, 3410, 4000, 4010	16 sem. hrs.
Electives from Physics 3150, 3420, 4410, 4470, 4750, 4840, 4850, 4860	9 sem. hrs.
Total	87-88 sem. hrs.

(Major GPA based on all physics courses taken at Eastern Illinois University.)

*or (1150, 1360) or (1150, 1160) with permission of the chairperson of the department.

Physics (B.S. for Teacher Certification)

Major (Standard High School Certificate):

Chemistry 1310 or 1300; 1315, 1510, 1515 ¹	8 sem. hrs.
Mathematics 2300 ² , 2351, 2352, 2361, 2362, 3501	16 sem. hrs.
Physical Science 3400	3 sem. hrs.
Physics (1350, 1360) ³ , 1370, 2390, 2400, 3150, 3410, 4000, 4010, 4470, 4830, 4850	38 sem. hrs.
Total	65 sem. hrs.

(Major GPA based on Physical Science 3400 and all physics courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Chemistry (1310, 1315) or (1300, 1315); 1510, 1515 ¹	8 sem. hrs.
Mathematics 2351, 2361	6 sem. hrs.
Physical Science 3400 ⁴	3 sem. hrs.
Physics (1350, 1360) ³ , 1370, 4830	15 sem. hrs.
Electives chosen from Physics 2390, 3150, 3410, 4470, 4750, 4850	3-4 sem. hrs.
Total	37-38 sem. hrs.

¹Students who wish to teach chemistry should take a minimum of 10 semester hours in order to meet certification requirements.

²Mathematics 2310 may be substituted for Mathematics 2300.

³or (1150, 1360) or (1150, 1160) with permission of the chairperson of the department.

⁴Physical Science 3400 may be omitted if the student has credit in Life Science 3400.

Political Science (B.A.)**Major:**

Political Science 1003, 1103, 2002, 2053, 2603	14 sem. hrs.
International Relations: one of Political Science 2203, 3203, 3223, 3373, (4821, 4822, 4823)	3 sem. hrs.
Comparative Politics: one of Political Science 3303, 3323, 3343, 3363, 3383	3 sem. hrs.
American Politics: one of Political Science 3643, 3713, 3723, 3733, 3743, 3753, 3903, (4831, 4832, 4833), 4843	3 sem. hrs.
Public Administration: one of Political Science 3413, 4753, 4793, 4873, 4893	3 sem. hrs.
Public Law: one of Political Science 3513, 3523, 3533, 4774	3-4 sem. hrs.
Political Theory: one of Political Science 4903, 4913, 4933	3 sem. hrs.
Electives in Political Science	6 sem. hrs.
Total	38-39 sem. hrs.

(Major GPA based on all political science courses taken at Eastern Illinois University.)

Minor:

18 semester hours in political science, including Political Science 1103; 1003 or 2603 or 2203; must include at least six semester hours of courses numbered 3000 and above	18 sem. hrs.
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Political Science (B.A. for Teacher Certification in Social Studies)**Major (Standard High School Certificate):**

Political Science 1003, 1103, 2002, 2053, 2603	14 sem. hrs.
International Relations: one of Political Science 2203, 3203, 3223, 3373, (4821, 4822, 4823)	3 sem. hrs.
Comparative Politics: one of Political Science 3303, 3323, 3343, 3363, 3383	3 sem. hrs.
American Politics: one of Political Science 3413, 3643, 3713, 3723, 3733, 3743, 3753, 3903, 4753, 4793, (4831, 4832, 4833), 4843, 4893	3 sem. hrs.
Public Law: one of Political Science 3513, 3523, 3533, 4774	3-4 sem. hrs.
Political Theory: one of Political Science 4903, 4913, 4933	3 sem. hrs.
Electives in Political Science	9 sem. hrs.
Social Science 3400	3 sem. hrs.
Choice of I or II below	16 sem. hrs.
Total	57-58 sem. hrs.

I— 8 semester hours in U.S. history and 8 semester hours in European history. Total, 16 sem. hrs.

II— 8 semester hours in each of two of the following: economics, geography, sociology. Total, 16 semester hours.

(Major GPA based on Social Science 3400 and all political science courses taken at Eastern Illinois University.)

Honors Program for Political Science Majors with 3.50 Cumulative GPA

Admission to the Political Science Honors Program is open to students who have a 3.50 GPA and have completed the following: Political Science 1003, 1103, 2002, 2053, and 2603. Permission of the Director of the Honors Programs and the Departmental Honors Coordinator is also required.

Political Science 4444, 4555, 4644; one of the following graduate seminars: Political Science 5023, 5033, 5063, 5073, 5133, 5173, 5273	12 sem. hrs.
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Political Science 4444 and 4555 may count toward the electives required for the major. The graduate seminar may substitute for one of the distribution requirements in the major with the prior approval of the department chairperson and the Departmental Honors Coordinator.

Honors students must demonstrate a reading knowledge of a foreign language or a research skill. The foreign language requirement can be satisfied by the equivalent of two years of a foreign language. The research skill requirement can be satisfied by completing Political Science 2002, 2053, 4753, and a research methods course approved by the Departmental Honors Coordinator.

Pre-Medicine Information

Since many medical schools admit few, if any, students without a bachelor's degree, most students desiring the M.D. degree complete a bachelor's degree before entering medical school. Programs leading to the B.A. or the B.S. degree with a variety of majors are suitable for each student. When registering, such students should indicate their choice of degree and major. Pre-medicine should not be listed as the student's major. All students interested in a career in medicine should consult with the Chairperson, Health Professions Studies Committee, for information regarding medical school admission requirements. Regardless of the choice of major, the student who wants to enter medical school should complete the following minimum program in science.

Life Science 1000.....	3 sem. hrs.
Zoology 1010; 2100 or 2200.....	8 sem. hrs.
Chemistry*.....	16 sem. hrs.
Physics (1150, 1160) or (1350, 1360).....	8 sem. hrs.
Chemistry 2720 is highly recommended.....	3 sem. hrs.

*Specific courses to be selected after consultation with the Chairperson, Health Professions Studies Committee.

Professional Writing

Minor:

English 3001, 4760.....	6 sem. hrs.
English 4275 ¹	4 sem. hrs.
Journalism 2101.....	3 sem. hrs.
Two courses chosen from English 2003, 2901, Journalism 2101, 3102, Business Education 2010, Management 3830, Speech Communication 3610.....	5-6 sem. hrs.
Total.....	18-19 sem. hrs.

Note: Courses in computer programming and data processing are highly recommended as electives.

¹Internship may be taken in student's major field of study with approval of English Department.

Psychology (B.A.)

Major.

Psychology 2310, 2320, 3601.....	9 sem. hrs.
Choose one of the options listed below.....	23-56 sem. hrs.
Total.....	32-65 sem. hrs.
I <i>Scientific</i> : Psychology 2610, 3810 or 3820; 15 sem. hrs. of electives in psychology. Total, 23 sem. hrs.	

II *Paraprofessional*: Psychology 2330, 3250, 3590, 3800¹, 4275 (6 sem. hrs.), 4765, 4780, 4850, and additional 12-19 sem. hrs. in courses depending on the student's special interest and as approved by the department. Total, 40-47 sem. hrs.

(Major GPA based on all psychology courses taken at Eastern Illinois University.)

¹Psychology 2610 and 3810, or Psychology 2610 and 3820, may be substituted for Psychology 3800 and four semester hours of psychology electives in completing Option II.

Minor:

2310, 2320.....	6 sem. hrs.
Electives in Psychology (excluding 3400), selected to meet the particular educational goals of individual students in consultation with a Psychology advisor. Must include at least nine hrs. of courses numbered 3000 or above).....	12 sem. hrs.
Total.....	18 sem. hrs.

Honors Program For Psychology Majors with a 3.50 Cumulative GPA

Admission to the honors program requires a 3.50 GPA and permission of the Director of the Honors Program and the Department Honors Coordinator.

Psychology 2610, 3310, 3590, 3620, 3810, 3820, 4250, 4644, 4666 (taken twice), 4780, 5360.....	42 sem. hrs.
Any two of: Chemistry 1310 and 1315; Mathematics 1271 or 1300 or Physics 1150 or 1350.....	7-8 sem. hrs.
Total.....	49-50 sem. hrs.

Psychology (B.A. for Teacher Certification)

Major (Standard High School Certificate):

Psychology 2310, 2320, 3601.....	9 sem. hrs.
Psychology 3800; or 2610 and either 3810 or 3820.....	4-8 sem. hrs.
Electives in psychology.....	19-15 sem. hrs.
Psychology 3400 or Social Science 3400.....	3 sem. hrs.
Total.....	35 sem. hrs.

(Major GPA based on Social Science 3400 and all psychology courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Psychology 2310, 2320.....	6 sem. hrs.
Psychology 3400 or Social Science 3400.....	3 sem. hrs.
Electives in psychology.....	14 sem. hrs.
Total.....	23 sem. hrs.

Public Relations

Minor:

Journalism 2101, 4760, Speech Communication 2300, 3500.....	12 sem. hrs.
Journalism/Speech Communication 4820, Journalism/Speech Communication 4920.....	6 sem. hrs.
Journalism 4275 or Speech Communication 4275.....	1 sem. hr.
Nine semester hours chosen from: Journalism 2102, 3100, 3102, Speech Communication 2320, 3230, 3300, 3520, 3540, 3610, 3620, Management 3010, Marketing 3470; Journalism 3001 or Speech Communication 2530 or Technology Education 3123.....	9 sem. hrs.
Total.....	28 sem. hrs.

Note: Speech Communication majors and minors must take Speech Communication 3520 and 3540 instead of 3500, making total required 31 sem. hrs.

Note: Electives must be selected in consultation with the Chairperson of the Journalism or the Speech Communication Department.

Recreation Administration (B.S.)**Major:**

Art 1650 or 2340	3 sem. hrs.
Health Education 1200*	2 sem. hrs.
Political Science 2603 or 1103	3 sem. hrs.
Psychology 2310	3 sem. hrs.
Recreation 1320, 1780, 2250, 2290, 3550 or 3551, 4275 (6 sem. hrs.), 4830, 4840, 4850	28 sem. hrs.
Sociology 2710	3 sem. hrs.
Electives from Recreation 2280, 2300, 2420, 3250, 3510, 3560, 3760, 3860, 4741, 4790, 4800, 4900, 4910, 4950, 5420, 5430, Music 1423, Theatre Arts 3431	16 sem. hrs.
Electives from economics, management, marketing, accountancy approved by advisor and department chairperson	6 sem. hrs.
P.E. service courses, to include one aquatic and one rhythmical activity	4-6 sem. hrs.
Electives approved by advisor and department chairperson	12 sem. hrs.
Total	80-82 sem. hrs.

(Major GPA based on all recreation courses taken at Eastern Illinois University.)

*May be met by satisfactorily completing proficiency or satisfactorily completing competency examination.

Minor:

Recreation 1320, 2290, 3550 or 3551, 4830	11 sem. hrs.
Electives in recreation selected in consultation with a Recreation & Leisure Studies advisor	10 sem. hrs.
Total	21 sem. hrs.

Honors Program for Recreation Administration Major with 3.50 Cumulative GPA

Admission to the Honors Program requires a 3.50 GPA and permission of the Director of the Honors Program and the Department Honors Coordinator.

Recreation 4444, 4644, 4666 (taken twice), 5420	12 sem. hrs.
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Honors program courses may count toward the major area electives, area of concentration, and general electives or any combination of the above.

(Major GPA based on all recreation courses taken at Eastern Illinois University.)

Safety and Driver Education**Minor (for teacher certification):**

Health Education 3300, 3310, 3320, 3330, 3340, 4900	16 sem. hrs.
Choose from the following: Health Education 2270, 3100, 3200, 3350, 4720; P.E. 3130; Political Science 2603, 3643; Psychology 3550, 4870	5 sem. hrs.
Total	21 sem. hrs.

Social Science (B.A. for Teacher Certification)**Major (Standard High School Certificate):**

Economics 2801, 2802, elective in economics	9 sem. hrs.
History 2010, 2020, elective in U.S. history	9 sem. hrs.
History 1100, 3000, 3005	9 sem. hrs.
Political Science 1103, two elective courses in political science	9 sem. hrs.
Social Science 3400	3 sem. hrs.
Sociology 2710, two elective courses in sociology	9 sem. hrs.
Upper division courses from economics, geography, political science, sociology-anthropology (may be in one, two, or three fields)	6 sem. hrs.
Total	54 sem. hrs.

(Major GPA based on all anthropology, economics, social science, political science, and sociology courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Two of the following options	18 sem. hrs.
a. Economics 2801, 2802, plus an elective course in economics. Total	9 sem. hrs.
b. Political Science 1103, plus two elective courses in political science. Total	9 sem. hrs.
c. Sociology 2710, plus two elective courses in sociology. Total	9 sem. hrs.
Electives from economics, geography, history, political science, sociology- anthropology (may be in one or two fields)	6 sem. hrs.
Social Science 3400 ¹	3 sem. hrs.
Total	27 sem. hrs.

¹Social Science 3400 may be omitted if the student has credit in a methods course in one of the following: business education, English, foreign language, geography, life science, mathematics, physical science, psychology, or speech communication.

Sociology (B.A.)**Major:**

Sociology 2710, 3721, 4520, 4622, 4900; 3622 or 3650	18 sem. hrs.
Sociology 3610 or Psychology 2610	3-4 sem. hrs.
Anthropology 2730*	3 sem. hrs.
Area of concentration I, II, or III	21 sem. hrs.
Total	45-46 sem. hrs.
I— Community Services: Sociology 2720, 2761, 3600, 4730, 4740, 4800; 3801 or 3810.	
II— Criminal Justice: Sociology 2761, 3770, 3780, 4750, 4790; 3650 or 3700 or 4740; Political Science 3513 or 3523.	
III— General Studies in Sociology: Six hours from Area of Concentration I; six hours from Area of Concentra- tion II; and nine hours from Sociology 3662, 3681, 3903, 3950, 4251, and 4702.	

(Major GPA based on all sociology and anthropology courses taken at Eastern Illinois University.)

*For those students interested in additional study in anthropology, a complete listing of available courses may be found on page 95 of this catalog. An interdisciplinary minor is also offered. It is described fully on page 61.

Minor:

Sociology 2710, 3721, 4520, 4622	12 sem. hrs.
Electives in Sociology (exclusive of 4275 and 3990) selected in consultation with a Sociology advisor of the student's choosing	9 sem. hrs.
Total	21 sem. hrs.

Sociology (B.A. for Teacher Certification)**Major** (Standard High School Certificate):

Sociology 2710, 2720, 3721, 4251, 4520, 4622, 4900	21 sem. hrs.
Area of Concentration III—General Studies in Sociology ^{1, 2}	21 sem. hrs.
Anthropology 2730	3 sem. hrs.
Social Science 3400	3 sem. hrs.
Supplementary Area I or II or III (below)	11-18 sem. hrs.
Total	59-66 sem. hrs.
I— 8 sem. hrs. in U.S. history and 8 sem. hrs. in world history. Total, 16 sem. hrs.	
II— 8 sem. hrs. in U.S. history and 8 sem. hrs. in any history. Total, 16 sem. hrs.	
III— Two of the following: Anthropology 3 sem. hrs.; economics 9 sem. hrs.; geography 8 sem. hrs.; political science 9 sem. hrs. Total, 11-18 sem. hrs.	

¹The courses which constitute this area appear in the Sociology (B.A.) section.

²B.A. for teacher certification students may add Sociology 3622 and 3650 to the list of courses from which they may choose in completing the General Studies area.

(Major GPA based on Social Science 3400 and all sociology and anthropology courses taken at Eastern Illinois University.)

Special Education (B.S. in Ed.)

Three options are available for the Special Education major. In making a selection the student should be guided by whether his or her interests lie mainly at the high school level, at the elementary school level, or at the early childhood level.

Special Education (with Early Childhood-Handicapped Option)

Students completing this option will be eligible for a Special Certificate permitting them to work in one or more areas of Special Education from kindergarten through grade twelve. They also will be eligible for a Letter of Approval permitting them to teach in an early childhood special education program.

Art 1650	3 sem. hrs.
Education Foundation 4450	3 sem. hrs.
Elementary Education 2320	3 sem. hrs.
English 1001, 1002, 3001	9 sem. hrs.
Health Education 1200 ¹	2 sem. hrs.
Home Economics 3853, 4851, 4854	9 sem. hrs.
Life Science 1000	3 sem. hrs.
Mathematics 2250, 2300 or 3500	5 sem. hrs.
Music 1421	3 sem. hrs.
Physical Education 3600	2 sem. hrs.
Physical Science ²	4 sem. hrs.
Psychology 2310	3 sem. hrs.
Senior Seminar	2 sem. hrs.
Social Studies electives (other than Psychology) (see distribution requirements) ³	3 sem. hrs.

Special Education 3000, 3200, 3220, 3225, 3600, 3700, 4520, 4600, 4700, 4720, 4800, 4820, 4920	38 sem. hrs.
Speech Communication 1310	3 sem. hrs.
Speech Pathology & Audiology 2210	3 sem. hrs.
Student Teaching 4001	16 sem. hrs.
U.S. History or U.S. Government (see distribution requirements)	3 sem. hrs.
One of the following: Educable Mentally Handicapped: Special Education 3260, 4530, 4960. Total, 7 sem. hrs. Learning Disabilities: Special Education 3250, 4530, 4950. Total, 7 sem. hrs. Behavior Disorders: Special Education 3280, 4980, Psychology 4780. Total, 7 sem. hrs.	

Special Education (with the Elementary Option)

Students completing this option will be eligible for a Special Certificate permitting them to work in one or more areas of Special Education from Kindergarten through grade twelve. They also will be eligible for a Standard Elementary Certificate allowing them to teach in a regular elementary classroom.

Art 1650	3 sem. hrs.
Educational Foundation 4450	3 sem. hrs.
Elementary Education 2320, 3240, 3270, 3280, 3290; 4480 or 4490 or Junior High Education 3280	18 sem. hrs.
English 1001, 1002, 3001	9 sem. hrs.
Health Education 1200 ¹	2 sem. hrs.
Humanities electives (must include one sem. hr. of music)	3 sem. hrs.
Life Science 1000	3 sem. hrs.
Mathematics 1220 ⁴ , 2250; 2300 or 3500; 3300	8-11 sem. hrs.
Physical Education 3600	2 sem. hrs.
Physical Science ²	4 sem. hrs.
Psychology 2310	3 sem. hrs.
Senior Seminar	2 sem. hrs.
Speech Communication 1310	3 sem. hrs.
Speech Pathology and Audiology 2210	3 sem. hrs.
Special Education 3000, 3200, 3600, 3700, 4600, 4700, 4800	22 sem. hrs.
Student Teaching 4001	16 sem. hrs.
U.S. History or U.S. Government (see distribution requirements)	3 sem. hrs.
Social Studies electives ³ (other than psychology. See distribution requirements)	6 sem. hrs.
One of the following: Educable Mentally Handicapped: Special Education 3260, 4530, 4960. Total, 7 sem. hrs. Learning Disabilities: Special Education 3250, 4530, 4950. Total, 7 sem. hrs. Behavior Disorders: Special Education 3280, 4980, Psychology 4780. Total, 7 sem. hrs.	

¹May be satisfied by passing Health Competency Examination, in which case student must substitute one sem. hr. Physical Education or Health Education elective.

²Four semester hours in Physics and/or Chemistry, including laboratory work, will fulfill this requirement.

³The Social Studies electives should be chosen so that the student's total work in social studies includes at least two of the following disciplines: Anthropology, Economics, Geography, History, Political Science, Sociology.

⁴Students may test out of Mathematics 1220 by taking the Mathematics Placement Test in the advisement center.

Special Education (with the Secondary Option)

Students completing this option will be eligible for a certificate in Special Education, valid from Kindergarten through High School. They also will be eligible for a Standard High School Certificate permitting them to teach an academic area in grades six through twelve. Students choosing Art or Music as their academic area will be eligible to teach those subjects for Kindergarten through grade twelve.

General Education Requirements	39 sem. hrs.
Health Education 1200	2 sem. hrs.
Physical Education 2450	3 sem. hrs.
Psychology 2310*, Educational	
Psychology 3325, Secondary Education	
3330, Educational Foundation 4450.....	12 sem. hrs.
Special Education 3000, 3200, 3600, 3700,	
4600, 4700, 4800.....	22 sem. hrs.
Student Teaching 4001	16 sem. hrs.
English 3001*	3 sem. hrs.
Mathematics 2250*, 2300 or 3500.....	5 sem. hrs.
Senior Seminar.....	2 sem. hrs.
Speech Pathology and Audiology 2210	3 sem. hrs.
Special Education Area: one of the following:	
Educable Mentally Handicapped: Special Education	
3260, 4530, 4960. Total, 7 sem. hrs.	
Learning Disabilities: Special Education 3250, 4530,	
4950. Total, 7 sem. hrs.	
Behavior Disorders: Special Education 3280, 4980,	
Psychology 4780. Total, 7 sem. hrs.	
Academic Teaching Area	32 sem. hrs.

Academic Areas

(All Areas Must Total 32 Semester Hours)

ART (Standard Special Certificate)

Art 1000, 1110, 2250, 2410, 2440; 2100 or 2700, 3410, 2050, plus 11 semester hours of electives from 2100, 2340*, 2560, 2601, 2651, 2700, 3080, 3820.

BIOLOGICAL SCIENCE (Standard High School Certificate)

Life Science 1000*, 3200, 3400; Environmental Biology 2010*; Botany 1010*, 1022, 3100 or 3200; Zoology 1010*, 2100, 3300, 3700.

BUSINESS EDUCATION (Standard High School Certificate)

(Accountancy 2100 and 2150) or two of the following: (Business Education 1110, 1120, 2110); Marketing 3470, 3490, 4875; Data Processing 1250; Business Education 3230; Business Education 3400, 3410; Business Education 3430 or 3440; Business Education 4913 and 4923.

ENGLISH (Standard High School Certificate)

English 2601*, 2901*, 3001, 3400, 4300. Select six three-semester hour courses* to satisfy groups 2, 3, 4, 5, plus two additional courses** from any group. (Consult the course descriptions in Section X under English for explanation of groups.)

FRENCH (Standard High School Certificate)

32 semester hours in French including Foreign Language 3200, 3400, and 3510, but excluding all Credit—No Credit courses.***

GEOGRAPHY (Standard High School Certificate)

Geography 1300, 1500; 3200 or 3300; 3000 or 3025 or 3050; 3600 or 3650 or 3700 or 3750 or 3775; 3800 or 3825 or 3850 or 3875; Earth Science 1420; Social Science 3400; electives in Geography.

GERMAN (Standard High School Certificate)

32 semester hours in German to include Foreign Language 3400, but excluding all Credit—No Credit courses.***

HEALTH EDUCATION (Standard High School Certificate)

Health Education 2270, 3200, 3400, 3750, 4275; Zoology 2999* and electives from at least three of the component areas.**

HISTORY (Standard High School Certificate)

History 1100*, 2010*, 2020*, 3000, 3005, 3500; Social Science 3400; History electives** numbered above 3000 to include three semester hours in U.S. history and 3 semester hours in non-U.S. History.

HOME ECONOMICS (Standard High School Certificate)

Home Economics 1120, 1150, 2120, 2401, 2800, 2850, 2234, 3300, 3400, 4275 (three sem. hrs.), 4400.

MATHEMATICS (Standard High School Certificate)

Mathematics 2310*, 2351*, 2352, 2550*, 3271, 3400, 3530, 3701, 4800, and Mathematics electives** above 3000 except Mathematics 3300 and 4275.

MUSIC EDUCATION (Standard Special Certificate)

Music 0300 taken twice; 1101; 1103 (two semesters); 2 sem. hrs. from 1203, 1204, 2205, 2206 (determined by advisement and auditions) or 1136 taken twice; 1541, 1542, 1543, 1544, 2155, 2440, 1581; 3582 or 3581; 3439; (3155 and 3440) or 3400; and applied study taken four semesters (4 sem. hrs.)

PSYCHOLOGY (Standard High School Certificate)

Psychology 2310*, 2320*, 3400, 3601 plus either (Psychology 3800 and sufficient psychology electives**) or (Psychology 2610, 3810, or 3820, and sufficient psychology electives**).

SOCIAL STUDIES (Standard High School Certificate)

History 1100*, 2010*, 2020*, 3000, 3005, 3 sem. hrs. in U.S. History electives; 8 sem. hrs. electives from one of (Anthropology, Economics, Political Science or Sociology); 3 sem. hrs. electives from (Anthropology, Economics, Political Science or Sociology); Social Science 3400.

SPANISH (Standard High School Certificate)

32 semester hours in Spanish to include Foreign Language 3200, 3400, and 3510, but excluding all Credit—No Credit courses.***

TECHNOLOGY EDUCATION (Standard High School Certificate)

Technology Education 1364, 1413*, 2064, 2324, 3400 and 2242 or 2252; plus 6 semester hours in a single technical area** and 6 semester hours of electives in Technology Education.

*May be used to satisfy General Education Requirements.

**Appropriate electives should be chosen in consultation with an advisor in the academic department.

***Student must consult with advisor in foreign languages to determine starting level and optional coursework.

Honors Program for Special Education Majors

Admission to the Special Education Honors Program is open to students who meet at least two of the following criteria:

- ACT composite score of 26 or higher or SAT (combined Math and Verbal) of 1000 or higher;
- upper 10 percent of high school graduating class;
- 3.5 grade point average for at least 12 hours of coursework undertaken at Eastern Illinois University (may be overall or special education);
- the permission of the Director of the Honors Program and the Departmental Honors Coordinator.

Students in the Special Education Honors Program must maintain an *overall* grade point average of 3.50. Students who have been dismissed from the program because their overall GPA has fallen below 3.50 may petition for readmission. Students must raise their grade point average and submit their petition to the Director of Honors Programs and Departmental Honors Coordinator.

The following Special Education courses are required: 4444, 4666, 4644, 5120.

Twelve hours will be deleted from Special Education or Speech Pathology and Audiology courses listed in the major by mutual consent of student, Departmental Honors Coordinator, Department Chair, and the Certifying Dean.

Speech Communication (B.A.)

Major:

Speech Communication courses excluding 1310, 3400, 3900, 4996.
A maximum of four semester hours in a combination of Speech Communication 1020 and 3020 may be included. Theatre Arts 1132 and/or 1133 may be taken as part of the requirement 42 sem. hrs.

(Major GPA based on Theatre Arts 1132, 1133, and all speech communication courses taken at Eastern Illinois University.)

Minor:

Speech Communication electives numbered 1000 or above except for 1310, 3400, 3900, 4996 9 sem. hrs.
Speech Communication electives numbered 3000 or above except 3400, 3900, and 4996 9 sem. hrs.
Total 18 sem. hrs.

Speech Communication (B.A. for Teacher Certification)

Major (Standard High School Certificate):

Speech Communication 2300, 2320, 2340, 2520, 3400, 3900 18 sem. hrs.
Electives in Speech Communication other than 1310 6 sem. hrs.
Two of the following 24 sem. hrs.
Total 48 sem. hrs.
a. Radio-TV-Film: Four courses from Speech Communication 2530, 2540, 3520, 3530, 3540, 3620, 4750.
b. Public Address: Speech Communication 3200, 3230, 3903, 4170, 4800.
c. Interpersonal Communication: Four courses from Speech Communication 3300, 4470, 4760, 4830, 4860.
*d. Theatre Arts: Theatre Arts 1132, 1133, 1257, 3445.

***d** not available to Speech Communication majors with Theatre Arts minor.

With the consent of the chairperson of the department, Speech Communication 4000 may be substituted for any of the above courses except 3400.

(Major GPA based on all theatre arts and speech communication courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Speech Communication 2300, 2320, 2340, 2520, 3400, 3900 18 sem. hrs.
Speech Communication 4750 or 4800 or 4830 3 sem. hrs.
Total 21 sem. hrs.

Honors Program for Speech Communication Majors with a 3.50 Cumulative GPA

Admission to the Honors Program requires a 3.50 GPA and permission of the Director of the Honors Program and the Department Honors Coordinator.

Minimum of 12 semester hours from the following:
Speech Communication 4444, 4555, 4644, 4666. These courses have flexible credit and may be repeated with change of content.

Speech Communication courses other than 1310. 30 sem. hrs.

OR

Completion of the requirements for the B.A. with Teacher Certification.

Speech Pathology and Audiology (B.S.)**Major:**

Physics 1210	3 sem. hrs.
Psychology 2310, 3830, 4750, 4780	12 sem. hrs.
Speech Pathology and Audiology 1100, 2110, 2140, 2210, 2800, 2830, 3250, 3300, 3410, 3500, 3600, 3651, 4755	33 sem. hrs.
Speech Pathology and Audiology 4700	2 sem. hrs.
Mathematics 2250	4 sem. hrs.
Life Science 1000	3 sem. hrs.
Zoology 2999	3 sem. hrs.
Total	60 sem. hrs.

(Major GPA based on all speech pathology and audiology courses taken at Eastern Illinois University.)

Undergraduate Recommended Electives:

Educational Psychology 4770, English 2901, 3901;
Home Economics 2850; Psychology 3525; Speech
Communication 4830, 4860; Zoology 2000.

Note: A student may be denied admission to Speech Pathology and Audiology 4700 unless he/she has attained at least a 2.5 overall GPA, and at least a 2.75 GPA in the Speech Pathology and Audiology major. Those GPAs are also required for admission to the graduate program in speech pathology and audiology.

Note: This program does not meet the requirements for American Speech and Hearing Association certification. To prepare for that certification students must take this program plus the M.S. in Speech Pathology and Audiology; see the Graduate Bulletin.

Speech Pathology and Audiology (B.S.)**Major (toward teacher certification):**

Mathematics 2250	4 sem. hrs.
Physics 1210	3 sem. hrs.
Psychology 2310, 3830, 4750, 4780	12 sem. hrs.
Speech Pathology and Audiology 1100, 2110, 2140, 2210, 2800, 2830, 3250, 3300, 3410, 3500, 3600, 3651, 4755, 4758	34 sem. hrs.
Speech Pathology and Audiology 4700	2 sem. hrs.
Life Science 1000	3 sem. hrs.
Zoology 2999	3 sem. hrs.
Total	61 sem. hrs.

(Major GPA based on all speech pathology and audiology courses taken at Eastern Illinois University.)

Note: A student may be denied admission to Speech Pathology and Audiology 4700 unless he/she has attained at least a 2.5 overall GPA, and at least a 2.75 GPA in the Speech Pathology and Audiology major. Those GPAs are also required for admission to the graduate program in speech pathology and audiology.

Note: This program does not meet the requirements for the Special Certificate—Speech and Language Clinician (for the Illinois schools) nor the American Speech and Hearing Association Certificate of Clinical Competence. To prepare for those certificates students must take this program plus the M.S. in Speech Pathology and Audiology; see the Graduate Bulletin.

Technology Education (B.S. for Teacher Certification)

Major (Standard High School Certificate. No minor required.):

Arts and Sciences 2100	2 sem. hrs.
Mathematics 1300, 2300	4 sem. hrs.
Technology Education 1263, 1364, 1413, 1463, 2033, 2064, 2324, 3162, 3200, 3400, 4074	35 sem. hrs.
Chemistry 1310 or 1300, 1315	4 sem. hrs.
Physics 1150	4 sem. hrs.
One twelve-semester-hour concentration in either Communication (graphics and graphic arts), Energy/Power (electronics and mechanics); or Production (construction and manufacturing)	12 sem. hrs.
Total	61 sem. hrs.

(Major GPA based on all Industrial Technology and Technology Education courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Technology Education 1364, 1413, 2064, 2324, 3200, 3400	20 sem. hrs.
Technology Education or Industrial Technology electives*	6 sem. hrs.
Total	26 sem. hrs.

*State certification requires a minimum of 24 semester hours for teaching in the general laboratory. To teach in a unit laboratory the certification requirement is 8 semester hours in that specified field.

Theatre Arts (B.A.)**Major:**

Theatre Arts 1132, 1133, 1257, 2101, 2102, 2205, 2244, 3001, 3333, 3357, 3358, 3431, 3445, 3751, 3752, 4001	38 sem. hrs.
English 3607, 3608	8 sem. hrs.
Total	46 sem. hrs.

(Major GPA based on all theatre arts courses taken at Eastern Illinois University.)

Theatre Arts (B.A. for Teacher Certification)**Major** (Standard High School Certificate):

Theatre Arts 1132, 1133, 1257, 2101, 2102, 2205, 2244, 3001, 3333, 3357, 3358, 3431, 3445, 3751, 3752, 4001	38 sem. hrs.
English 3607 or 3608	4 sem. hrs.
Speech Communication 2320, 2340	6 sem. hrs.
Speech Communication 3400 or English 3400	3 sem. hrs.
Total	51 sem. hrs.

(Major GPA based on all theatre arts and speech communication courses taken at Eastern Illinois University.)

Minor (for teacher certification):

Theatre Arts 1132, 1133, 1257, 2244, 3445	15 sem. hrs.
Speech Communication 3400 or English 3400	3 sem. hrs.
Total*	18 sem. hrs.

*For State Certification purposes this is a 27 semester hour minor including 9 semester hours of the 39 semester hours of required General Education.

Zoology (B.S.)**Major:**

Botany 1010.....	4 sem. hrs.
Chemistry 1310 or 1300; 1315; 1410, 1415, 3430	12 sem. hrs.
Life Science 1000, 3200	6 sem. hrs.
Zoology 1010; 2100 or 2000; 3100; 3500; 3700 or 3600; 4800	21-23 sem. hrs.
Electives in more than one area of physical science and mathematics (beyond the General Education requirement)	9 sem. hrs.
Electives in zoology or environmental biology (except 4275).....	12-10 sem. hrs.
Total	64 sem. hrs.

(Major GPA based on all environmental biology, life science and zoology courses taken at Eastern Illinois University.)

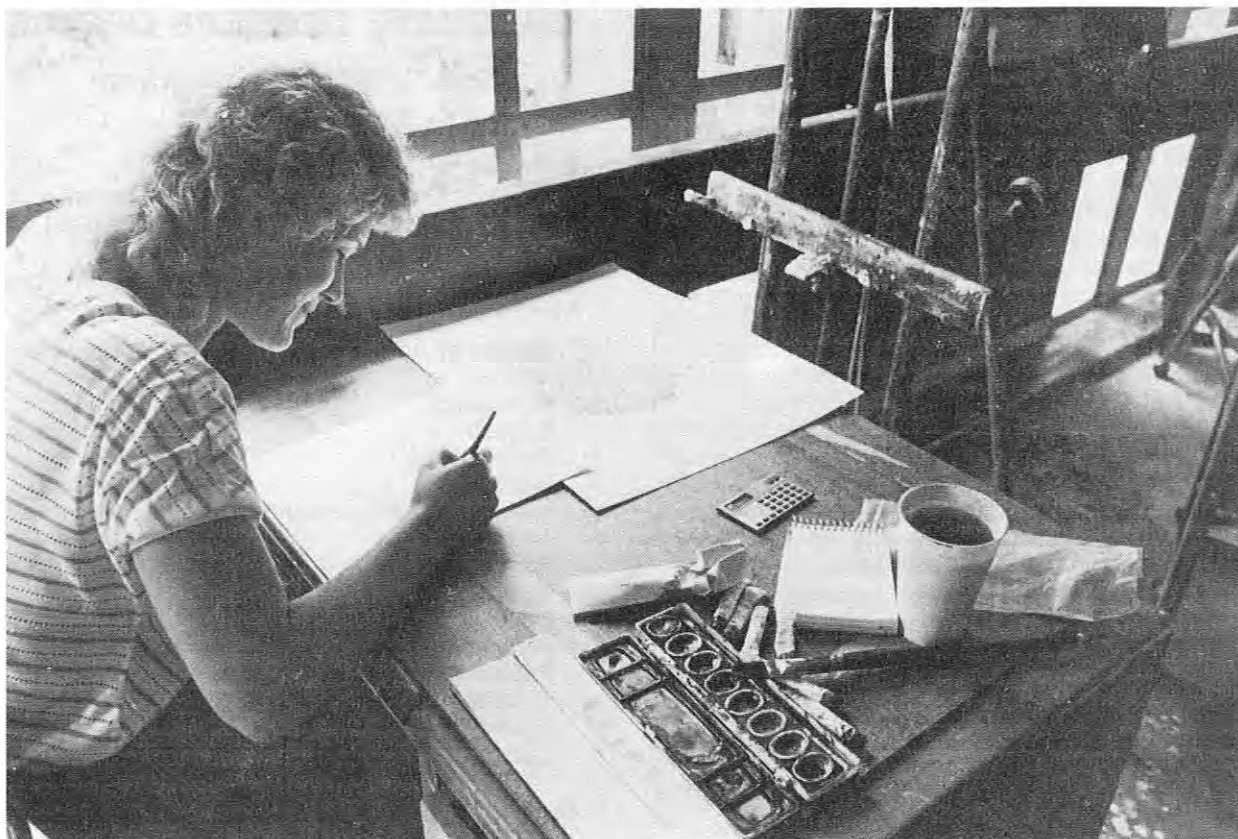
Minor:

Life Science 1000 (or equivalent).....	3 sem. hrs.
Zoology 1010 (or equivalent).....	4 sem. hrs.
Electives in Zoology, Environmental Biology, and Life Science, including at least 6 sem. hrs. of courses numbered 3000 and above, with the exception of Life Science 3400 and Environmental Biology 4275. At least 9 sem. hrs. must be taken in addition to those required in the student's major.....	14 sem. hrs.
Total	21 sem. hrs.

Zoology (B.S. for Teacher Certification)**Major (Standard High School Certificate):**

Botany 1010, 1022, 3100, 3200	12 sem. hrs.
Chemistry 1310 or 1300; 1315; 1410, 1415	8 sem. hrs.
Environmental Biology 2010	3 sem. hrs.
Life Science 1000, 3200, 3400	9 sem. hrs.
Zoology 1010, 2100, 3100, 3300, 3500, 3700	23 sem. hrs.
Total	55 sem. hrs.

(Major GPA based on all botany, environmental biology, life science and zoology courses taken at Eastern Illinois University.)



VIII. GRADUATE DEGREE PROGRAMS

GRADUATE STUDY DEGREES

The University offers on the fifth-year level the master's degrees: Master of Arts (M.A.); Master of Science (M.S.); Master of Business Administration (M.B.A.); and Master of Science in Education (M.S. in Ed.). The Specialist in Education (Ed.S.) degree is offered on the sixth-year level.

GRADUATE DEGREE PROGRAM REQUIREMENTS

For current and detailed descriptions of the various graduate programs offered at Eastern Illinois University, see the *Graduate Catalog*. Catalogs, application blanks, and other materials may be obtained from the Dean of the Graduate School and Continuing Education.

Admission To Graduate Courses

Eastern Illinois University encourages post-baccalaureate degree study. To accommodate students with different career goals, a student may be admitted to pursue graduate coursework in either of two educational tracts. Non-degree status is assigned to students who do not intend to complete an advanced degree. Students who desire to work toward the completion of a master's or specialist's degree must follow an outlined procedure. Details can be found in the current edition of *The Eastern Illinois University Graduate Catalog*. Students desiring information are encouraged to contact the Office of the Graduate Dean.

Foreign Students

Regulations concerning the admission of students from foreign nations to graduate study can be obtained from the Dean of the Graduate School and Continuing Education. Since some delay in time will be experienced in communicating with foreign students, information should be sought as early as possible before the term in which the student wishes to enroll.

Seniors at Eastern Illinois University

During the final semester of residence in undergraduate work, or the penultimate semester of residence if the final semester is to be spent in student teaching or internship, a senior may apply for permission to take graduate level courses numbered 4750 through 5499 for reserve graduate credit. This credit is subject to a maximum of nine semester hours and may not exceed the difference between that required to complete the undergraduate degree and the maximum enrollment allowed a graduate student in that term. Graduate credit will not be granted for any course which is used in any way for fulfilling the undergraduate requirements for a degree.

Qualified seniors at EIU may elect to enroll in courses numbered 5000 through 5499 for undergraduate credit. No undergraduate may enroll in courses numbered 5500 or above.

To be eligible to apply, a student must have a 2.75 grade point average and obtain permission from both the instructor of the course and the Graduate Dean, prior to enrollment. Application forms are available in the Graduate Dean's Office.

SCHOLARSHIPS

Military scholarships are valid for graduate study, and any unused portion of a Teacher Education Scholarship may be applied to graduate study.

FINANCIAL AID

National Direct Student Loans and Work Study Jobs are available to those students who qualify on the basis of financial need. For information contact the Director of Financial Aid.

For information concerning the Guaranteed Loan Program, contact your local lending institution.

GRADUATE ASSISTANTSHIPS

Graduate assistantships are available in academic departments offering graduate programs. In some cases, graduate assistants may be assigned to certain administrative offices.

Students wishing information about these awards should contact the department of their choice and applications for the assistantships should be submitted to the academic department.

GRADUATE DEGREES OFFERED**Master's Degrees****Master of Arts and Master of Science Degrees**

Aim. It is the purpose of these programs to provide intensive study designed to develop advanced scholarship in a particular discipline.

Fields. The following majors have been authorized for the Master of Arts and Master of Science Degrees:

Master of Arts

Art
Economics
English
Gerontology
History
Historical Administration
Mathematics
Mathematics Education
Music
Political Science
Psychology
Psychology
Option: School Psychology
Sociology
Speech Communication

Master of Science

Botany
Chemistry
Environmental Biology
Home Economics
Home Economics
Option: Dietetics
Physical Education
Speech Pathology and
Audiology
Technology
Technology Education
Zoology

Master of Science in Education Degree

Aim. It is the purpose of these programs to offer experiences designed to advance the professional and personal competence and scholarship of teachers and other educational workers in the public schools.

Fields.

Business Education
Educational Administration and Supervision
Elementary Education
Guidance and Counseling
Information Services and Technology
Physical Science
Special Education

Master of Business Administration

Aim. The purpose of this program is to develop professional managers and executives to serve the needs of business and government, to prepare graduates for teaching in junior colleges, and to furnish basic graduate training for those desirous of continuing their graduate work.

Specialist Degrees***Specialist in Education Degree**

Aim. It is the purpose of these programs to provide more advanced and intensive graduate study for public school personnel.

Fields. The Specialist in Education degree is offered in the fields of educational administration, guidance and counseling.

*Specialist degrees are often called "Sixth Year" degrees for they normally require a year's graduate work beyond the master's level.



The curricula outlined in this section have been formulated as suggested programs which do not lead to graduation. Changes may be made by the student and his/her advisor without the formality of application for a waiver.

Pre-Dentistry

This program is administered by the Health Professions Studies Committee. The following minimum two-year program meets the course requirements for admission to most dental schools. All applicants for dental school are required to take a dental aptitude test given by the American Dental Association. Pre-dental students are urged to complete three years of college work before entering dental school. It is recommended that the minimum program be enriched with electives in history, economics, philosophy, sociology, and a modern language.

English 1001, 1002.....	6 sem. hrs.
Speech Communication 1310.....	3 sem. hrs.
Chemistry (1310, 1315) or (1300, 1315); 1410, 1415, 3430, 3435, 3440	16 sem. hrs.
Physics (1150, 1160) or (1350, 1360)	8 sem. hrs.
Mathematics elective	3 sem. hrs.
Life Science 1000.....	3 sem. hrs.
Zoology 1010, 2100	8 sem. hrs.
Electives	13 sem. hrs.
Total	60 sem. hrs.

Pre-Engineering

This two-year program is administered by the Pre-Engineering Studies Committee. Students planning to enroll in pre-engineering are advised to include the following in their high school programs:

Mathematics—four or more units, including trigonometry.

Science—three or more units, including chemistry and physics.

Students with deficient high school background should expect their graduation with an engineering degree to be delayed.

There are two pre-engineering options, general (appro-

IX. NON-DEGREE PROGRAMS

priate for all except chemical engineering) and chemical. Students interested in the chemical engineering option should consult with the chairperson of the Pre-Engineering Studies Committee. The minimum general pre-engineering requirements are as follows:

Chemistry (1310, 1315) or (1300, 1315); 1510, 1515.....	8 sem. hrs.
English 1001, 1002.....	6 sem. hrs.
Industrial Tech. 1043.....	3 sem. hrs.
*Mathematics 2351, 2352, 2361, 2362, 2371, 3501.....	17 sem. hrs.
Physics 1350, 1360, 1370, 2390, 2400.....	18 sem. hrs.
Humanities and Social Studies approved by advisor	12 sem. hrs.
Total	64 sem. hrs.

Pre-Nursing, Optometry, Pharmacy, Physical Therapy

These programs are administered by the Health Professions Studies Committee. They are flexible programs designed for students who desire one or two years of college work to prepare for admission to health related professional schools. Detailed information is available in the office of the Chairperson, Health Professions Studies Committee.

Pre-Legal Information

There is no single undergraduate major which is preferred for the study of law, but there are specific, law-oriented courses which can provide the undergraduate contemplating law school with an understanding of the language of the law and some of the skills required in studying the law. The following courses are recommended to any student considering a legal career, regardless of the student's major: Political Science 3513, 3523, 3533, 4774.

All law schools require an acceptable score in the LSAT, which is administered on this campus by the Pre-Law

*Students who do not have the prerequisites for Mathematics 2351 must start with Mathematics 1300 and/or Mathematics 1330. See Section X.

Adviser in October and December of each year. LSAT registration packets and current law school catalogs are available from the Pre-Law Adviser. All students who are considering a legal or paralegal career should consult at their earliest opportunity with the Pre-Law Adviser, Coleman Hall 214 i, telephone 581-2523.

Most American law schools require students to have a B.A. or B.S. degree and encourage students to take a variety of courses outside the stated major. Students are urged to take courses which develop communication skills and logical thought. The list is not intended to be an exclusive one, for there are courses in accountancy, economics, English, history, management, mathematics, philosophy, and speech communication, as well as other fields of study, which are helpful to those pursuing a legal career.

Students interested in preparing for either a legal or law related career are strongly urged to consult the Pre-Legal Advisor, 214 i, Coleman Hall, telephone 581-2523.

Pre-Veterinary Medicine

This program, administered by the Health Professions Studies Committee, is designed to prepare students for admission to schools of veterinary medicine.

English 1001, 1002.....	6 sem. hrs.
Chemistry (1310, 1315) or (1300, 1315); 1410, 1415, 3430, 3435, 2720, 3450	19 sem. hrs.
Physics (1150, 1160) or (1350, 1360)	8 sem. hrs.
Life Science 1000, 3200	6 sem. hrs.
Zoology 1010	4 sem. hrs.
Electives, approved by the advisor	17 sem. hrs.
Total	60 sem. hrs.

Latin American Studies

There is no formal curriculum for Latin American Studies. Students who seek knowledge of Latin American affairs, culture, and language are invited to consult with the chairperson of the Latin American Studies Council for assistance in selecting courses suited to their individual needs. For further information, inquire in the College of Arts and Sciences.

RESERVE OFFICER TRAINING CORPS

Military Science training has been offered at Eastern Illinois University since 1980. The program is voluntary, leading to a commission as an officer in the United States Army, Army Reserve or Army National Guard upon completion of a four- or two-year program of study and training.

Financial assistance scholarships are available to qualified students. See Financial Aid, Section III.

Military Science classes are open to all students of Eastern Illinois University. Those students desiring a commission in the Army of the United States must complete the program listed below. The student's major may be in any field of study recognized by the University and for which a degree is granted.

Normal Four-Year Program

Students enrolling in the basic course must:

Be citizens of the United States and at least 17 years of age.

Be able to complete both the basic and advanced program requirements and receive a baccalaureate degree prior to reaching 28 years of age.

Be physically fit and of good moral character.

Students enrolling in the advanced course must:

Have completed the basic course requirements through on-campus instruction. (This requirement can be waived for those presenting evidence of equivalent basic training or ROTC instruction.)

Sign a contract to serve for the prescribed period.

Agree in writing to accept an appointment, if offered, as a commissioned officer.

Plan on at least two more academic years of study at the University.

Be selected by the professor of military science and the University.

The basic course fulfills the necessary requirements for admission to the advanced program of study and consists of the following required courses normally taken during the freshman and sophomore years: MSC 1001, 1002, 2001, 2002—five semester hours.

The advanced course is a two-year course of instruction and includes an advance camp of six weeks' duration. Normally this summer training is taken between the junior and senior years. Successful completion of the advanced course leads to a commission as a second lieutenant in the United States Army. It consists of the following required courses normally taken during the junior and senior years: MSC 3001, 3002, 3003, 4001, 4003 and 4004—22 semester hours.

In addition, advance course cadets prior to commissioning, complete one course in each of the three following functional areas, subject to approval by the Professor of Military Science: Human Behavior, Written Communication Skills, and U.S. Military History.

Benefits for Advanced Course Cadets

Advanced course cadets are eligible for the following benefits:

Commission in either the Regular Army or in the United States Army Reserve.

Subsistence pay at the rate of \$100 per month during the junior and senior years (10 months out of a year), and pay during summer camp at the same rate as cadets at the United States Military Academy, plus a travel allowance for the summer camp. When the cadet is called to active duty, a uniform allowance of \$300 is authorized.

Opportunity to attend Airborne (parachute), Air Assault, and other military training.

Two-Year Program

This program is designed specifically to meet the needs of junior college graduates and students of four-year colleges who have not taken Army ROTC during their first two years. Students with a baccalaureate degree who will have two or more years in graduate school are also eligible to apply for the two-year program. A six-week basic summer camp substitutes for the first two years of the four-year program and is credited as MSC 2003 for up to five credit hours. An early commission program for reserve duty is available. Applicants must meet the same requirements as four-year Basic and Advance course students.

Simultaneous Membership Program

Students who are enlisted members of the Army Reserve or National Guard may also enroll in the two-year program and earn a commission while continuing to train with their unit as an officer-trainee. Acceptance of ROTC and students' unit is required for officer-trainee placement.



X. ACADEMIC ORGANIZATION AND COURSE DESCRIPTIONS

College of Applied Sciences

Barbara Owens, Dean

School of Home Economics

Joyce Crouse

School of Technology

Career Occupations

Larry Helsel

Richard Hofstrand

College of Arts and Sciences

Jon Laible, Dean

Department of Botany
 Department of Chemistry
 Department of Economics
 Department of English
 Department of Foreign Languages
 Department of Geography and Geology
 Department of History
 Department of Journalism
 Department of Mathematics
 Department of Philosophy
 Department of Physics
 Department of Political Science
 Department of Psychology
 Department of Sociology
 and Anthropology
 Department of Speech Communication
 Department of Speech Pathology and
 Audiology
 Department of Zoology
 Afro-American Studies Committee
 Health Professions Studies Committee
 Pre-Engineering Studies Committee
 Pre-Legal Studies Committee
 Social Science Studies Committee

Terry M. Weidner
 David W. Ebdon
 Ahmad Murad
 J. R. Quivey
 Leo Kelly
 Gary Wallace
 Robert E. Hennings
 J. David Reed
 A. J. DiPietro
 Stuart Penn
 W. A. Butler
 Laurence C. Thorsen
 Paul Panek
 Robert Whittenbarger

Douglas Bock

Jill Nilsen
 Michael Goodrich
 Johnetta Jones, Chairperson
 Richard C. Funk, Chairperson
 W. M. Cloud, Chairperson
 Peter R. Leigh, Chairperson
 Ahmad Murad, Chairperson

College of Business

Theodore W. Ivarie, Dean

Department of Accountancy, Data
 Processing and Finance
 Department of Business Education and
 Administrative Office Management
 Department of Management-Marketing

Lowell D. Bourne

Robert N. Sullivan
 Jerry Geisler

College of Education

Charles Joley, Dean

Department of Educational Psychology
 and Guidance
 Department of Elementary and Junior
 High School Education
 Department of School Service Personnel
 Department of Secondary Education and
 Foundation
 Department of Special Education
 Department of Student Teaching

Paul Overton

L.M. Grado
 Donald Smitley

H.R. Larson
 Kathlene Shank
 Francis Summers

College of Fine Arts

Vaughn Jaenike, Dean

Department of Art
 Department of Music
 Department of Theatre Arts

James K. Johnson
 DuWayne H. Hansen
 Gerald Sullivan

**College of Health, Physical Education
and Recreation**

W. S. Lowell, Dean

Department of Health Education
 Department of Physical Education
 Department of Recreation and
 Leisure Studies

Martin Reed
 Larry Ankenbrand

E. L. Bryden

COURSE DESCRIPTIONS

In the course description section which follows, courses are shown under the departments which teach them, with the departments listed in alphabetical order.

Generally, courses numbered 1000-1999 are freshman courses; 2000-2999, sophomore courses; 3000-3999, junior courses; 4000-4999, senior courses; and 5000-6999, graduate courses. However, if prerequisites are met, students may enroll according to the following schedule.

CLASS	COURSES NUMBERED				
Freshman	1000	2000	a	a	
Sophomore	1000	2000	3000	a	
Junior	1000	2000	3000	4000	
Senior	1000	2000	3000	4000	5000-5499b
Graduate				4750-4999	5000-6999

a. Courses numbered 3000-4999 in chemistry, foreign languages, mathematics, and military science may be taken by students who have prerequisites and permission of the department chairperson.

b. With 2.75 GPA and permission of instructor and Dean of the Graduate School.

Numbers in parentheses following the course title indicate the number of class hours per week — laboratory or studio hours per week — credit hours. For example (3-0-3) indicates three hours of classroom work each week, no laboratory hours, and three semester hours credit.

Prerequisites for courses are printed immediately following the course description. A student may neither enroll in a course which is prerequisite for a course for which he/she has credit nor may he/she enroll in a course which substantially duplicates, at a lower level, a course or courses which he/she has already successfully completed. Should a student violate this prescription, he/she may not receive credit for the course toward graduation.

Unless indicated as below, courses are offered every term. Offering times indicated are:

Su — Summer Term
 F — Fall Semester
 S — Spring Semester

ACCOUNTANCY

Ballsrud, W., Chairperson, Angel, Atkins, V., Blair, A.E., Bomball, Coakley, Falconer, A., Falconer, M., Ferguson, Fleming, Frazier, Gover, Gross, Gueldner, Kettler, Kiefer, Knott, B., Margrave, Moncada, S., Moncada, T., Nagy, Nickles, Rooke, Siron, Spaniol, Stanko, Walstrom.

Undergraduate Courses

- 2100. Principles of Financial Accounting.** (3-0-3) A study of the financial accounting process, financial statements, and the accounting principles and procedures underlying items contained in financial statements. Prerequisite: Sophomore standing.
- 2150. Principles of Managerial Accounting.** (3-0-3) A study of the interpretation and use of accounting data in planning, controlling and decision making activities. Prerequisites: Accountancy 2100 and sophomore standing.
- 2200. Individual Income Tax.** (3-0-3) F, S. An introduction to the basic concepts and procedures of Federal and State Income Tax as they pertain to the individual taxpayer and the small business enterprise. No credit for graduation if student has credit for Accountancy 4610 or its equivalent. Not open for students enrolled in a curriculum requiring Accountancy 4610.
- 3030. Cost Accounting.** (3-0-3) Cost accounting concepts, techniques and systems that provide information for planning, control and reporting purposes. Prerequisites: Accountancy 2100 and 2150 with grades of C or better in both courses.
- 3041. Financial Accounting Reporting Theory I.** (3-0-3) The fundamental nature of accounting communication embraced by a study of financial statements and reports, the form of presentation, accounting terminology, current and non-current assets. Prerequisites: Accountancy 2100 and 2150 with grades of C or better in both courses.
- 3051. Financial Accounting Reporting Theory II.** (3-0-3) A continuation of Accountancy 3041. Measurement of liabilities and stockholder's equity, the concept of the Statement of Changes in Financial Position, analysis of financial statements, problems with accounting changes, errors, estimates and income determination. Prerequisite: Accountancy 3041 with grade of C or better.
- 3701. Governmental and Not-for-Profit Accounting.** (3-0-3) Special nature of accounting and not-for-profit entities. Budgets, fund accounting characteristics, cost accounting systems and analysis. Prerequisites: Accountancy 2150 and junior standing.
- 4050. Advanced Accounting and Consolidations.** (3-0-3) Financial accounting measurement, partnerships, international operations, consignments, installment sales, fiduciaries, and accounting for various types of business combinations. Prerequisite: Accountancy 3051 with grade of C or better or concurrent registration in Accountancy 3051 with grade of C or better in Accountancy 3041.
- 4275. Internship in Accounting.** (Arr.-Arr.-3 or 6 or 9 or 12 or 15) (Credit/No Credit) On-the-job experience in public, industrial or governmental accounting in an approved firm. Prerequisites: Permission of the department chairperson and acceptance of the student by a business firm.
- 4610. Federal Income Tax.** (4-0-4) Tax accounting under the latest amendments to the Internal Revenue Code. Basic discussion of theory and concepts. Prerequisites: Accountancy 2100 and 2150 with grade of C or better in both courses.
- 4670. C.P.A. Problems.** (3-0-3) S. Accounting theory and practice on a professional level. Analysis and study of selected questions from C.P.A. examinations. Prerequisites: Accountancy 3030, 3051, 4050, and 4610.
- 4740. Independent Study.** (Arr.-Arr.-3) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Prerequisites: Senior standing, cumulative grade point average of 3.0 or higher, consent of the supervising instructor and approval of a completed application by the department chairperson prior to registration.

Courses Open To Juniors, Seniors, and Graduate Students

- 4800. Profit Planning and Control.** (3-0-3) F. Fundamental concepts underlying a profit planning and control program and their relationship to the primary functions of management. Students will be involved in budgeting. Prerequisites: Accountancy 2150 and junior standing.

4850. Auditing. (4-0-4) Theory and practice of the examination of financial statements for the purpose of establishing and expressing an opinion as to their reliability. Includes audit of EDP systems, statistical sampling techniques and the auditor's legal liability. Prerequisites: Accountancy 3030, 3051, and 4050 with grades of C or better.

4900. Advanced Federal Tax. (3-0-3) S. A continuation of Accountancy 4610, with emphasis on underlying principles and concepts in the income tax laws, and the tax consequences of alternatives. Emphasis on partnership, corporation, and fiduciary tax problems. Gift, estate, and inheritance taxes. Corporate tax research is included. Prerequisite: Accountancy 4610 with grade of C or better.

AFRO-AMERICAN STUDIES

Undergraduate Courses

- 2000. Introduction to the Afro-American Experience.** (3-0-3) F, S. Introduction to the study of Afro-Americans in the U.S. society. A broad overview of the aspects of the black individual's existence in America with relationship to the arts and to the major social ideas and institutions. The effects of this relationship are investigated through relevant readings.
- 2100.** (see History 2100)
- 2300.** (see Art 2300)
- 2561.** (see Music 2561)
- 2705.** (see English 2705)
- 2710.** (see Sociology 2710)
- 3065.** (see History 3065)
- 3810.** (see Sociology 3810)
- 4275. Internship in Afro American Studies.** (Arr.-Arr.-1 to 15) A semester's experience as an intern in an agency or organization relevant to the student's curriculum. Offered on a credit/no credit basis, the total hours must not exceed 15 including courses taken in any other internship offered by the university. Prerequisites: Permission of the program's chairperson and the written acceptance of the student by the agency or organization involved.
- 4400. Independent Study.** (Arr.-Arr.-1 to 3) Individual study of a topic of the student's choice under the direction of a faculty member. This course may be repeated for a total of not more than three semester hours. Prerequisites: Consent of supervising faculty member and permission of the Afro-American Studies chairperson.
- 4700.** (see Psychology 4700)
- 4740.** (see Sociology 4740)
- 4750.** (see English 4750)
- 4840.** (see Home Economics 4840)

ANTHROPOLOGY

(See Sociology for staff members.)

Undergraduate Courses

- 2730. Introduction to Cultural Anthropology.** (3-0-3) Study of world cultures, including the study of religion, mythology, kinship, marriage, political and economic systems in western and non-western societies, and relationships between culture and their environments.
- 2742. Introduction to Physical Anthropology and Archaeology.** S. (3-0-3) Study of the physical and cultural evolution of man, including the study of fossil man and variations in physical features of modern human populations; development of tools and technology; origins of agriculture and development of early civilizations.
- 3602. Peoples and Cultures of South America.** (3-0-3) F - odd-numbered years. Study of selected South American cultures; their religions, mythologies, political and economic systems. Includes the pre-Columbian background of South American cultures and their status in the modern world. Prerequisite: Anthropology 2730 or permission of the instructor.

- 3606. Magic and Religion in Prehistoric Societies. (3-0-3) S.** A world-wide survey of ideas and beliefs regarding supernatural beings and agents. Special attention will be given to totemism, ancestor worship, reverence for impersonal powers, witchcraft, sorcery, spirit possession and magic. Prerequisite: Anthropology 2730 or permission of the instructor.
- 3611. Peoples and Cultures of Africa. (3-0-3) F.** A study of the peoples and cultures of Africa, including a delineation of broad cultural areas. An in-depth description of selected societies and a cross-cultural comparison of certain institutions such as religions, political systems and family structures. Prerequisite: Anthropology 2730 or permission of the instructor.
- 3691. North American Indians. (3-0-3) F.** Study of the cultures of North American Indians, including the study of religious and ceremonial systems, political systems, patterns of warfare and adaptations to environments, and current status of North American Indians. Prerequisite: Anthropology 2730 or permission of the instructor.
- 3701. Feuds, Raids and War. (3-0-3) F - even-numbered years.** A comparative study of armed conflict in human cultures, simple and complex, ancient and modern, peaceful and warlike. Effects of war on environment and on cultural institutions. Discussion of theories concerning causes of war. Prerequisite: Anthropology 2730 or permission of the instructor.
- 3712. Archaeology of Prehistoric Civilizations. (3-0-3) S.** Development of economic and political systems, religion, art, urbanism. Study of methods which archaeologists use to reconstruct complex cultures of the past. Prerequisite: Anthropology 2730 or 2742 or permission of the instructor.
- 4400. Independent Study. (Arr.-Arr. 1 to 3).** Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. This course may be repeated for a total of not more than six semester hours of credit. Prerequisites: Nine semester hours of anthropology, consent of supervising faculty member, and permission of the department chairperson.

ART

Johnson, J.K., Chairperson, Aurbach, Balbes, Bodine, Braun, Darling, DeRuiter, Eads, Emmerich, Hegarty, Heyduck, Hild, Knoop, Krutza, McRoberts, Moldroski, Rehm, Roland, Settle, Sorge, Wilen.

Note: Studio courses meet for double periods. Discussions and critiques may be incorporated into the studio hours.

The Department of Art reserves the right to retain for exhibition purposes any student work produced in art classes for a period of one academic year after the year in which the work was produced.

One piece of art work by each graduate student shall be retained by the Department of Art to become part of its permanent collection.

All materials and art supplies which go into finished works of art are to be furnished by students.

Courses in Art Education, Ceramics, Crafts, Design, Jewelry and Metalsmithing, Printmaking, Sculpture, Theory and Fundamentals of Art and Weaving may charge a studio materials fee for use of certain materials.

Core Curriculum: The core curriculum is a prescribed program of study required of all art majors and is basic to all options. Courses in the core curriculum consist of Art 1000, 1110, 1111, 2050, 2601 and 2602.

Undergraduate Courses

- 1000. Drawing I. (0-6-3)** Foundation course for all areas of Art. Instruction in basic drawing techniques, media use, and concepts. Prerequisite: Major or minor in art or technology education; or major in elementary education, or junior high school education curriculum with Field II in Art.
- 1110. Design. (0-6-3)** Foundation course for all areas of Art. Development of concepts of two dimensional form, through creative studio work. Prerequisite: Open to freshmen, sophomores, and transfer students.
- 1111. Three Dimensional Design. (0-6-3) F, S.** Foundation course for all areas of Art. Developing awareness of space and concepts of form, with analysis and application of tools and materials appropriate to

three-dimensional projects. Prerequisite: Open to freshmen, sophomores, and transfer students.

- 1650. Theory and Fundamentals of Art. (2-4-3)** Study of the basic aspects of the creation of form in the visual arts; studio experiences included. May be used as partial fulfillment of humanities requirement and specific fulfillment of Fine Arts requirement. Not open to students whose major or minor is in art.
- 2000. Drawing II. (0-6-3)** Human figure drawing; anatomy, posed and environmental situations. Use of various media in figure drawing investigated. Prerequisite: Art 1000.
- 2001.** (See Fine Arts 2001)
- 2002.** (See Fine Arts 2002)
- 2003.** (See Fine Arts 2003)
- 2011. Art Orientation. (1-0-1) F, S.** An introduction and preparation for a professional career in a number of fields of art. Restricted to art majors and minors.
- 2050. Painting I. (0-6-3) F, S.** Introduction to oil painting as a medium of expression; investigation of media usage, variety of picture making ideas, and instruction in basic painting craftsmanship. Prerequisites: Art 1000 and Art 1110 or Art 1650 and Junior High School curriculum with Field II in art.
- 2100. Sculpture I. (0-6-3) F, S.** More specific work in three-dimensional organization of form; carving, constructing, assembling and welding are techniques to be explored. Prerequisite: Art 1111.
- 2250. Ceramics I. (0-6-3) F, S.** Introduction to various hand building techniques, decorative methods, firing process and use of the potter's wheel.
- 2300. Afro-American Art. (3-0-3) F, S.** Contribution of the Black people to the art of the western world. Course is recommended for partial fulfillment of the humanities requirement.
- 2340. General Crafts. (0-6-3)** General course in crafts with emphasis on problems in varied media. Course is recommended for partial fulfillment of the humanities requirement and specific fulfillment of Fine Arts requirement. Not open to Art majors.
- 2400. Introduction to Art Education. (1-0-1) F, S.** Introduction to the philosophical foundations of the field of Art Education and the various contexts within which art teaching functions. Ten (10) clock hours of pre-student teaching experience included. Prerequisite: Enrollment in the Art Education option.
- 2410. Art Education for Elementary Schools. (Arr.-Arr.-1) F, S.** Basic art education philosophy, developmental stages through grade six with appropriate studio projects. Pre-student teaching experiences with children in primary and intermediate grades. Prerequisite: Acceptance into the program for art education majors, special education majors with art area, junior high school majors with Field II in art, or permission of the instructor.
- 2440. Art for Teachers in the Elementary Grades. (2-2-2) F, S.** A methods course in the philosophy of teaching art to children including the developmental stages of creative activity and appropriate media for each studio experience. Prerequisite: Enrollment in elementary, junior high school education, special education, and art education majors.
- 2560. Printmaking I. (0-6-3)** Survey and exploration of methods of print-making.
- 2601. History of Art I. (3-0-3) F, S.** Survey of the visual arts, prehistoric through the Gothic period. Prerequisite: For art majors and minors only.
- 2602. History of Art II. (3-0-3) F, S.** Survey of the visual arts, early Renaissance to the present. Prerequisite: Art 2601. Art majors and minors only.
- 2651. Understanding Art. (3-0-3) F, S.** An introduction to the nature, creation, perception, understanding and evaluation of the visual arts. Not open to students whose major is in art. The course is recommended as partial fulfillment of the humanities requirement.
- 2652. Art in Past Cultures. (3-0-3) F, S.** Comparative study of subject, form, and content in art of past cultures, with emphasis on purpose and style. Not open to students whose major is in art. This course is recommended as partial fulfillment of the humanities requirement and specific fulfillment of the Fine Arts requirement.
- 2700. Introduction to Jewelry and Silversmithing. (0-6-3) F, S.** Fundamental techniques in the constructive and decorative processes of jewelry creation with various metals.

- 2800. Introduction to Weaving. (0-6-3) F, S.** Procedures involved in dressing the loom; development of various weaves using color, texture, and materials.
- 2900. Introduction to Graphic Design. (0-6-3) F, S.** Brief study of calligraphy followed by a study of type design, use of type as design, and structuring of type in design.
- 3000. Drawing III. (0-6-3) F, S.** Study of advanced drawing concepts and techniques. Traditional and non-traditional media to develop sensitivity in drawing. Prerequisite: Art 2000.
- 3011. Exhibition Techniques. (1-0-1) F, S.** Organization and presentation of the portfolio and professional credentials. Prerequisite: Art 2011, except for art majors in the teacher certification option. A transfer student may take this course concurrently with Art 2011. Restricted to art majors and minors.
- 3051. Painting II. (0-6-3) F, S.** Painting as a method of personal expression explored; instruction in concepts and organization of two dimensional forms as related to the individual investigation of painting. Prerequisite: Art 2050.
- 3052. Painting III. (0-6-3) F, S.** Continuation of Art 3051. Prerequisite: Art 3051.
- 3080. Watercolor. (0-6-3) F, S.** Painting course in transparent waterbase media; instruction in various technical methods of watercolor. Prerequisite: Art 2050, or Junior High School curriculum with Field II in art. May be taken twice for credit.
- 3110. Advanced Design. (0-6-3) S.** Advanced design composition with media options. Open only to art majors and minors as an art elective. Prerequisite: Art 1110 or 1111.
- 3111. Sculpture II. (0-6-3) F, S.** Advanced work in three-dimensional organization of form. Prerequisite Art 2100.
- 3112. Sculpture III. (0-6-3) F, S.** Individual concentration toward more competent expression in three dimensions. Prerequisite: Art 3111.
- 3251. Ceramics II. (0-6-3) F, S.** Projects in hand building and/or throwing; study of glaze materials and glaze calculation. Prerequisite: Art 2250.
- 3252. Ceramics III. (0-6-3) F, S.** Continuation of Art 3251. Prerequisite: Art 3251.
- 3410. Art Education for Secondary Schools. (2-3-3) F, S.** Philosophy relating to teaching art in the junior/senior high school with studio and pre-student teaching experience. Required for and open only to art majors, Junior High School majors with Field II in art and Special Education majors with art area. Prerequisites: Art 2410 and 2440; Educational Psychology 3325 and Secondary Education 3330.
- 3420. New Media in the Art Curriculum. (0-6-3) F.** Survey and exploration of the possibilities of newer media for the teaching of art in the public schools. Studio experiences with an emphasis on creative applications in the classroom. Prerequisites: Art 2410, 2440, 3410, or permission of the instructor.
- 3570. Printmaking II. (0-6-3) F, S.** Intensive exploration of methods of printmaking with emphasis on new approaches to personal expression. Prerequisite: Art 2560.
- 3630. Greek and Roman Art. (3-0-3) F.** Study of dominant stylistic tendencies and major figures in Greek, Hellenistic and Roman art. Prerequisite: Art 2061 or 2651 or 2652.
- 3640. Medieval Art. (3-0-3) F.** Arts of the Early Christian, Byzantine, Early Medieval, Romanesque and Gothic periods. Prerequisite: Art 2601 or 2651 or 2652.
- 3650. Art of the Italian Renaissance. (3-0-3) S.** Evolution and development of art forms in Italy during the Fifteenth and Sixteenth Centuries. Prerequisite: Art 2601 or 2602 or 2651 or 2652.
- 3660. European Art of the Seventeenth and Eighteenth Centuries. (3-0-3) S.** Study of the Baroque style in Italy and Northern Europe, including Rococo manifestations and relationship with the Baroque movement. Prerequisite: Art 2602 or 2651 or 2652.
- 3670. Nineteenth Century European Painting. (3-0-3) F.** Leading artists, movements, and trends found in the painting and culture of Western Europe during the Nineteenth Century. Prerequisite: Art 2602 or 2651 or 2652.
- 3680. Modern European Painting and Sculpture. (3-0-3) F, S.** Major artists, developments, and significant achievements in painting and sculpture, 1880-1947. Prerequisite: Art 2602 or 2651 or 2652.
- 3701. Jewelry and Silversmithing II. (0-6-3) F, S.** Advanced problems in jewelry construction, developing the previously learned fundamentals in metal construction and introducing basic silversmithing processes. Prerequisite: Art 2700 or permission of the instructor.
- 3702. Jewelry and Silversmithing III. (0-6-3) F, S.** A continuation of Art 3701. Prerequisite: Art 3701 or permission of the instructor.
- 3801. Weaving II. (0-6-3) F, S.** Study of the theory of weaving. Experimentation and practice in design characteristics of weaves and materials. The Apple IIe computer may be used as a design tool. Prerequisite: Art 2800.
- 3802. Weaving III. (0-6-3) F, S.** Advanced study of theory of weaving with individual concentration in designing on the loom. Further mastery of the media is stressed. Prerequisite: Art 3801.
- 3820. Textile Design (0-6-3) F, S.** Pattern design principles as they apply to historical and contemporary textiles. Studio experiences may include work in batik, block printing, crochet, macrame, silk screen, and stitchery. Required in art education option.
- 3900. Airbrush. (0-6-3) F, S.** Use of airbrush as a painting tool, product illustration using brush and airbrush, photo retouching and airbrush rendering. Limit 12 by permission of the instructor.
- 3901. Graphic Design I. (0-6-3) F, S.** Introduction to advertising layout and graphic communication, layout techniques, and a basic study of reproduction methods as a guideline for design. Prerequisite: Art 2900.
- 3902. Graphic Design II. (0-6-3) F, S.** Continuation of Art 3901 with more in-depth problems. Prerequisite: Art 3901.
- 4000. Drawing IV. (0-6-3) F, S.** Advanced drawing directed at mastery of various media and techniques, and development of personal style. Prerequisite: Art 3000.
- 4051. Painting IV. (0-6-3) F, S.** Advanced study of painting as development in personal expression through individual's painting problems and investigation; professional craftsmanship stressed. Open to choice of medium. Prerequisite: Art 3052 and Art 3080. May be taken twice for credit.
- 4052. Painting V. (0-6-3) F, S.** Continuation of Art 4051. Prerequisite: Art 4051.
- 4111. Sculpture IV. (0-6-3) F, S.** Advanced study of sculpture directed toward mastery of form and materials and the development of a personal style. An individual plan of work must be presented upon registration for the course. Prerequisites: Art 3112 and permission of the instructor.
- 4112. Sculpture V. (0-6-3) F, S.** Continuation of Art 4111 with an increasing depth of mastery expected. Prerequisites: Art 4111 and permission of the instructor.
- 4251. Ceramics IV. (0-6-3) F, S.** Development of techniques and processes to a level of professional attainment; emphasis upon growth in area of student's interest. Prerequisite: Art 3252.
- 4252. Ceramics V. (0-6-3) F, S.** Continuation of Art 4251 with increasing depth of mastery. Prerequisite: Art 4251.
- 4400. Independent Study. (Arr.-Arr.-1 to 3)** Work in special problems selected to fulfill needs of the student. Prerequisites: Individual plan and permission of the instructor and the department chairperson, plus nine semester hours in the area of proposed study. May be taken for a maximum of six semester hours.
- 4580. Printmaking III. (0-6-3) F, S.** Individual selection of printmaking processes and problems. Prerequisite: Art 3570.
- 4701. Advanced Metalsmithing I. (0-6-3) F, S.** Problems in casting, chasing, repousse. Introduction to "Dutch, English, and non-resistant" raising; forming of seamed holloware; hot forging. Prerequisite: Art 3702 or permission of the instructor.
- 4702. Advanced Metalsmithing II. (0-6-3) F, S.** Continuation of Art 4701 with further mastery of techniques. Prerequisite: Art 4701 or permission of the instructor.
- 4740. Issues in Art Education. (3-0-3) F.** Study of the major theories and issues which have played important roles in shaping the character of contemporary art education. Prerequisites: Art 2410, 2440, 3410, or permission of the instructor.

Courses Open to Juniors, Seniors, and Graduate Students

4765. **Twentieth Century American Painting and Sculpture.** (3-0-3) S. Study of major American artists and tendencies that have developed since 1908.
4790. **Seminar in Art History and Criticism.** (3-0-3) S. A critical understanding and evaluation of art. Prerequisites: Art 2601 and 2602 or permission of the instructor.
4800. **Advanced Weaving.** (0-6-3) F, S. Advanced problems in weaving with particular emphasis upon design using the dobby and multi-harness looms and double weave techniques to perfect skills. Prerequisite: Art 3802. May be taken three times for credit.
4900. **Illustration.** (0-6-3) F, S. The application of art to illustration, editorial and other commercial uses. Emphasis on editorial content, interpretation, exploration of media and styles, development of personal style. Prerequisite: Senior standing in art or permission of the instructor.
4901. **Graphic Design III.** (0-6-3) F. Continued problems in graphic design, including package design, corporate design, display design, proprietary graphics. Prerequisites: Art 3901 and 3902.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.) One piece of art work by each graduate student shall be retained by the Department of Art to become part of its permanent collection.

5100. **Materials for Designing I.** (2) Content may vary to meet individual needs. Experimentation with various materials. Prerequisites: Written permission from a selected instructor and the department chairperson.
5200. **Painting Problems I.** (3) Emphasis is placed upon the construction and development of form in painting. Open to choice of medium. Prerequisite: Three undergraduate courses in painting.
5400. **Problems in Art Education.** (3) Analysis of individual, and typical problems of teaching art in the public school or junior college. Prerequisite: Art 3410.
5560. **Contemporary Printmaking.** (3) A study of styles and techniques of contemporary printmakers. Prerequisite: Two courses in undergraduate printmaking or permission of the instructor. May be taken three times for credit.
- 5571, 5572. **Advanced Ceramics.** (3 each course) Problem in ceramic design and construction with emphasis upon developing the individual's style and competence. Prerequisite: Nine semester hours undergraduate ceramics. Each course may be taken twice for credit.
5600. **Materials for Designing II.** (2) Advanced study of problems of form. Prerequisite: Written consent from a selected instructor and the department chairperson.
- 5610, 5611. **Advanced Drawing.** (3 each course) Development of personal expression in drawing. Prerequisite: Three undergraduate courses in drawing or permission of the instructor. Each course may be taken twice for credit.
5620. **Watercolor.** (3) Advanced study in various aqueous media. Prerequisite: Two undergraduate courses in watercolor or permission of the instructor. May be taken twice for credit.
- 5671, 5672. **Advanced Sculpture.** (3 each course) Student to direct his/her study toward greater personal mastery of form, medium, and style. Prerequisite: Art 3112 or equivalent and permission of the instructor and the department chairperson. Each course may be taken twice for credit.
5701. **Painting Problems II.** (3) Individualized study in painting directed toward greater personal expression. Prerequisite: Art 5200.
5702. **Painting Problems III.** (3) Continuation of Art 5701. Prerequisite: Art 5701. May be taken twice for credit.
5771. **Problems in Metalsmithing I.** (3) Advanced problems in metalsmithing with experimentation and development in a specific area. Historic and contemporary references will be included. Prerequisite:

Eight semester hours equivalent to Art 2700 and 3701. May be taken twice for credit.

5772. **Problems in Metalsmithing II.** (3) Continuation of Art 5771. Prerequisite: Art 5771 or permission of the instructor. May be taken twice for credit.
5800. **Research in Art Education.** (2) Familiarization with methods and structure of research in art education and the initiation of research projects. Prerequisite: Written consent from a selected instructor and the department chairperson.
5850. **Art Internship.** (3) Seminar discussion of various procedures in teaching college art courses and supervised intern teaching of prepared lessons within the department. Prerequisite: Written consent from a selected instructor and the department chairperson.
- 5871, 5872. **Problems in Nineteenth and Twentieth Century Art I and II.** (3 each course) Individual problems in the art expression of these two centuries. Seminar discussion and research papers, relative to various stylistic developments. Each course may be taken twice for credit.
5900. **Research in Art.** (2) Investigation into various procedures of research and their preparation in all art fields. May be taken twice for credit. Prerequisites: Written consent from a selected instructor and the department chairperson.
5920. **Graduate Exhibition.** (2) Exhibition of graduate works, oral examination of ideas, techniques and formal solutions involved, and a written paper of the procedures and accomplishments with visual illustrations. Prerequisite: Final semester of graduate study. Credit not given for both Art 5920 and 5950. Written consent of a selected instructor and department chairperson.
5950. **Thesis.** (3 to 6) Prerequisite: Art 5900. *Note:* A maximum of nine semester hours may be earned in a combination of 5950, 5920, and 5990. Written consent from a selected instructor and the department chairperson.
5990. **Independent Study.** (1 to 6) *Note:* A maximum of nine semester hours may be earned in a combination of 5990, 5920, and 5950. Written consent from a selected instructor and the department chairperson.

ARTS AND SCIENCES

Undergraduate Courses

2100. **The Ascent of Man.** (2-0-2) A survey of the biological and cultural evolution of man/woman. Credit applies to the general education distribution requirements: one hour to humanities and one hour to mathematics/science.
3001. **The Survival of Humanity: Crisis in Energy, Food, and Population.** (3-0-3) S. The world-wide problems of energy, food and population examined from the perspectives of the natural and social science, with related ethical issues posed for student discussion and debate.
3103. **Humanities.** (Arr.-Arr.-3) Su. Topics to be announced. Recommended for partial fulfillment of the humanities requirement.
3203. **Social Studies.** (Arr.-Arr.-3) Su. Topics to be announced. Recommended for partial fulfillment of the social studies requirement.
3303. **Mathematics-Science.** (Arr.-Arr.-3) Su. Topics to be announced. Recommended for partial fulfillment of the mathematics-science requirement.
3750. **Studies in Europe.** *This is not a course.* This entry refers to a group of courses. See 3750 under economics, French, German, Spanish, history, and political science. Study of the cultural, intellectual, economic and political aspects of a particular area or areas of Europe. Registration is handled by the Director of Continuing Education. Each participant must register for the appropriate number of semester hours of work from these courses, generally at least one semester hour per week of the program.
3990. **Summer Studies in Ireland and Britain.** *This is not a course.* This entry refers to a group of independent study courses. See 3990 under economics, English, history, political science, psychology, sociology. Six weeks of residence in Ireland or Britain is required. Registration is handled by the Director of Continuing Education.

BIOLOGICAL SCIENCES

(See Botany, Environmental Biology, Life Science, and Zoology listings.)

BOTANY

Weidner, T., Chairperson, Arzeni, Bailey, Becker, Crofutt, Darding, Ebinger, Gray, Murphy, Scott, Smith, R.L., Speer, Weiler, W.A., Whiteside, Zimmerman.

Undergraduate Courses

- 1010. General Botany. (2-4-4)** General botany with particular emphasis on plant structure, function, and economic importance. Prerequisite: Life Science 1000.
- 1022. Survey of Local Flora. (0-4-2)** The identification of common wild and cultivated seed plants. Fall Semester will concentrate on woody plants; Spring and Summer Semesters will emphasize herbaceous plants.
- 2318. Outdoor Home Horticulture. (1-2-2) S.** The principles and practices of outdoor gardening and landscaping with emphasis on the practical aspects of each.
- 2319. Indoor Home Horticulture. (1-2-2) F.** The principles and practices of indoor gardening with emphasis on the practical aspects.
- 2320. Economic Botany. (2-0-2) F, S.** The origin, development, diversity, and horticultural uses of cultivated plants.
- 2340. Microorganisms and Man. (2-2-3)** The characteristics and activities of microorganisms with special emphasis on their significance to the consumer. Not open to those with credit or registration in Botany 3300. Not to count toward a Botany major or minor.
- 3100 (2290). Morphology of Lower Plants. (1-4-3) F, S.** The classification, structure, life-history, and importance of the algae and fungi. Prerequisite: Botany 1010.
- 3200 (2300). Morphology of Higher Plants. (1-4-3) F, S.** The classification, structure, life-history, and importance of the bryophytes and vascular plants. Prerequisite: Botany 1010.
- 3300. Bacteriology. (2-4-4)** The basic principles and laboratory procedures for the study of bacteria. Prerequisites: Seven semester hours of biological sciences and eight semester hours of chemistry.
- 3450. Independent Study. (Arr.-Arr.-1-3)** The student must submit to the department chairperson, prior to registration, an outline of the proposed study, and be assigned credit and an instructor under whom the research will be done. Upon completion of the study, a written report suitable for publication will be submitted to the department chairperson for credit evaluation and an oral report presented before a departmental seminar. Prerequisite: Two years of biological sciences and permission of the department chairperson. May be taken more than once up to a total of three semester hours.
- 3541. Plant Physiology. (2-4-4)** The study of water relations, mineral nutrition, phytohormones, photosynthesis, respiration and physiological ecology. Prerequisites: Botany 1010 and one year of chemistry.
- 3960. Special Topics. (Arr.-Arr.-1 to 4) On demand.** Reading, discussions, reports, on-campus and off-campus fieldwork on special areas or topics in botany. May be repeated for a maximum of eight semester hours credit with permission of the department chairperson. Prerequisite: Minimum of four courses in botany or permission of the instructor.
- 4362. Mycology. (1-4-3) S.** The structure, classification, life-history, and economic importance of the fungi. Prerequisite: Botany 3100.

Courses Open to Juniors, Seniors, and Graduate Students

- 4751. Lichens. (0-4-2) F.** The structure, identification, and importance of lichens. Prerequisite: Botany 3100.
- 4801. Systematic Botany. (1-4-3) F.** The classification and characteristics of the common families of flowering plants. Prerequisite: Botany 1010.
- 4811. Plant Ecology. (1-4-3) F.** The study of the structure, successional patterns, and investigative techniques of plant communities. Prerequisite: Two years of biological sciences.

- 4821. Bryology. (1-4-3) F.** The structure, identification, life-history, and importance of the mosses and liverworts. Fall field trip is required. Prerequisite: Botany 3200.
- 4851. Plant Anatomy. (1-4-3) S.** The study of the tissues and cellular elements which comprise the vegetative plant body of seed plants. Prerequisite: Botany 3200.
- 4882. Phycology. (1-4-3) S.** The structure, classification, life-history, and economic importance of the algae. Prerequisite: Botany 3100.
- 4891. Palynology. (2-2-3) On demand.** Systematic, ecologic, stratigraphic, geologic study of both modern and fossil pollen and spores. This interdisciplinary course involves both field and laboratory work. Prerequisite: Permission of the instructor, on the basis of advanced training in botany or geology. Credit not granted for both Botany 4891 and Geology 4891.
- 4901. Plant Pathology. (1-4-3) F.** The basic principles of plant disease with emphasis on symptoms, causal agents, and control. Prerequisite: Botany 3100.
- 4990. Seminar. (0-2-1) F, S.** Reports and discussion of selected topics in botany. Prerequisites: Two years of biological sciences and permission of the department chairperson. May be taken more than once but for no more than four semester hours.

Graduate Courses (On Demand)

(Courses number 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5102. Taxonomy of Aquatic Macrophytes. (2) F.** The study of the taxonomy and ecology of the aquatic macrophytes of the midwest. Prerequisite: Botany 1022.
- 5202. Plant Geography. (3) S.** The study of factors influencing the distribution of North American plants. Prerequisite: Botany 4811.
- 5222. Cytotaxonomy. (3) F-even-numbered years.** The structure and function of chromosomes and their relationship to the evolution and taxonomy of seed plants. Prerequisite: Life Science 3200; and Botany 4801.
- 5342. Environmental Bacteriology. (3) S.** Techniques in the study of the bacteriology of air, water, sewage treatment, soil, and foods. Prerequisite: Botany 3300.
- 5351. Advanced Bacteriology. (2) F-odd-numbered years.** Aspects of bacterial cytology, physiology, and genetics. Prerequisites: Chemistry 3430, and Botany 3300.
- 5362. Fungi I. Phycomycetes. (4) S.** The structure, identification, and importance of the lower fungi. Prerequisite: Botany 3100; Botany 3300 recommended.
- 5371. Fungi II. The Higher Fungi. (4) F.** The collection identification of macrofungi. Prerequisite: Botany 3100.
- 5452. Ethnobotany. (3) S.** The basic principles of the relationships of plants and man. Prerequisites: Botany 1010 and 2320.
- 5472. Advanced Plant Physiology I, Inorganic Nutrition. (3) S-odd-numbered years.** The principles of water relations in plants with emphasis on absorption, translocation, and the function of inorganic mineral elements. Prerequisites: Botany 3541 and Chemistry 3430; biochemistry recommended.
- 5482. Advanced Plant Physiology II, Metabolism. (3) S-even-numbered years.** The principles of photosynthesis, respiration, and organic translocation. Prerequisites: Botany 3541 and Chemistry 3430; biochemistry recommended.
- 5611. Advanced Plant Ecology. (3) S-even-numbered years.** The laboratory analysis of soils and vegetation; microenvironmental measurements and physiological procedures used in ecological studies. Prerequisite: Botany 4811.
- 5950. Thesis. (3 to 6) Note:** A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study. (1 to 6)** Advanced studies in a selected field of botany other than the thesis. Prerequisite: Permission of the department chairperson. Note: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

BUSINESS

Undergraduate Courses

4444. **Honors Independent Study (Arr.-Arr.-3)** Consideration of special topics in Business. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and Departmental Honors Coordinator.
4555. **Honors Research (Arr.-Arr.-3)** In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.
4644. **Honors Thesis. (Arr.-Arr.-3)** Intensive research in preparation of a thesis on a topic in Business approved by faculty supervisor and the Departmental Honors Coordinator. Prerequisite: Permission of Director of Honors Programs and Departmental Honors Coordinator.

BUSINESS ADMINISTRATION

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5005. **Quantitative Analysis. (3) F.** Designed to provide students with skills in quantitative techniques necessary for advanced work in functional areas of business administration. Prerequisite: Mathematics 1300 or satisfactory placement score.
5010. **Essentials of Accounting. (3) F.** An introduction to financial and managerial accounting within the framework of an information systems approach. Not open to students working toward or having a B.S. in Business degree or a B.S. in Education degree with a major in Business Education.
5100. **Business Research Methods. (3) On demand.** Business research methodology including the meaning of research, its sequential development, types, and the steps of the scientific method applied to business. Practical and academic applications are explored. Prerequisites: Management 2810 and admission to the MBA program.
5255. **Manpower Management. (3) On Demand.** A comprehensive study of personnel programs and their management in formal organizations; research into the operation of personnel management. Prerequisites: Management 3010 and admission to the MBA program.
5305. **Communication Analysis. (3) On Demand.** Analysis of the functions, planning, psychology, and the organization of selected types of written and oral business communications. Prerequisite: Admission to the MBA program.
5355. **Promotion Management. (3) On Demand.** A study of consumer behavior and demand stimulation with emphasis in verbal and non-verbal communication theory. Prerequisites: Marketing 3470 and admission to the MBA program.
5415. **Marketing Management. (3) F.** The techniques of management as applied to the functional areas of marketing. Both quantitative and behavioral tools are used. Prerequisites: Marketing 3470 and admission to the MBA program.
5590. **Operations Research. (3) S.** Principles and methods of operations research; topics in linear programming; PERT, inventory models, queuing theory, simulations, and probability theory. Prerequisites: Management 2810; Business Administration 5005 or Mathematics 2110 and 2120 and admission to the MBA program.
5605. **Managerial Accounting Control. (3) S.** A case approach for analyzing management control problems. Prerequisites: Accountancy 2150 or Business Administration 5010 and admission to the MBA program.
5640. **Financial Management. (3) F.** A framework for determining efficient allocation of resources within the firm. Methods of economic analysis to relate the functional discipline of managerial finance — techniques for forecasting financial requirements under uncertainty, problems of income determination, long-term commitments to uncertain payoff vectors, internal and external capital rationing, and problems of identifying capital supply functions. Prerequisites: Finance 3710 and Management 2810 and admission to the MBA program.

5660. **Operations Management. (3) On demand.** An examination of operating problems from the standpoint of the production executive. Prerequisites: Management 3010 and admission to the MBA program.
5670. **Management Information Systems. (3) F.** An examination of managerial problems related to computer-based information systems. Within the context of systems theory and control theory, the student examines critical areas of design, development and analysis of management information systems. Prerequisites: Data Processing 2175 and admission to the MBA program.
5680. **Organizational Behavior and Group Dynamics. (3) S.** Organizational and business application of theory and research in individual differences, interpersonal relations, and small group dynamics. Prerequisites: Management 3010 and admission to the MBA program.
5880. **Seminar in Business Administration. (3) On demand.** Intensive study of contemporary problems, issues, trends and developments in accounting, marketing, finance, organizational theory, or information systems. May be taken twice for credit. Prerequisites: Completion of corresponding core course on topic being offered and admission to the MBA program.
5890. **Administrative Policy. (3) On demand.** Top management functioning. Emphasis is on integration of functions. Case studies, special reports, and seminar discussions of top management problems. Prerequisites: At least twelve semester hours of required MBA graduate courses and admission to the MBA program.
5950. **Thesis. (3 to 6)** The development of the method of attack and the execution of a formal research study. *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
5990. **Independent Study. (1-6)** Intensive investigation of a topic in cooperation with an approved instructor. Enrollment is by application. Prerequisites: Graduate standing, consent of approved instructor and approval of a completed application by the department chairperson prior to registration. *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

BUSINESS EDUCATION AND ADMINISTRATIVE OFFICE MANAGEMENT

Sullivan, R.N., Chairperson, Campbell, B., Chase, Elliott, Murry, Richeson, Sanders, R., Wilkins.

Undergraduate Courses

1110. **Basic Typewritten Communication. (3-0-3) F, S.** Kinesthetic typewriting techniques with emphasis on typewriting as a communication tool. No credit for students having had equivalent of one semester of typewriting instruction.
1120. **Intermediate Typewritten Communication. (3-0-3) F, S.** Business and personal applications of typewriting for communications and reports. No credit for students having had equivalent of three semesters of typewriting instruction.
1240. **Shorthand Theory. (3-0-3) F, S.** Introduction to shorthand theory. No credit for students having had equivalent of one semester of shorthand instruction.
1250. **Intermediate Shorthand. (3-0-3) S.** Speed building and transcription. No credit for students having had equivalent of three semesters of shorthand instruction.
1420. **Survey of Business Principles. (3-0-3) F, S.** The business firm in the social and legal framework of society, its responsibility and contributions to society. Not open to junior or senior B.S.B. majors.
2010. **Business Communications. (3-0-3) F, S.** Practice in formulation and communication of business information, oral and written. Prerequisite: Business Education 1110 or equivalent.
2110. **Office Production Typewriting. (3-0-3) F, S.** Office production typewriting to meet business standards. Prerequisite: Business Education 1120 or equivalent.
2240. **Advanced Shorthand/Transcription. (3-0-3) S.** Dictation and transcription for executive secretarial responsibility. Prerequisites: Business Education 1120, 1250, or equivalent.

- 2500. Micro-Computer Operations.** (2-0-2) F, S. Application of microcomputers and electronic calculators to business problem solving. Prerequisite: Business Education 1110 or equivalent. Credit not given for both Business Education 2500 and Mathematics 1009.
- 3000. Consumer Education.** (3-0-3) F, S. Factors affecting personal and family financial management, including investments and savings, use of credit, insurance and taxes. Team taught with Home Economics 3300.
- 3230. Administrative Office Services.** (3-0-3) F, S. Functions and responsibilities of the administrative assistant, including supervision of personnel, written and oral communications, records management, time management and decision making. Prerequisite: Business Education 1120 or equivalent.
- 3300. Personal Financial Investment.** (2-0-2) F, S. Comparative study of investment procedures and opportunities for the individual and family, including savings, insurance, securities, real estate, and estate planning. *Note:* Not open to students who have completed or who are enrolled in Finance 3720.
- 3400. Methods of Teaching Business.** (2-0-2) F, S. Foundations of business education, curriculum source of assistance for the classroom teacher, and techniques of planning and evaluation for the business curriculums. Prerequisite to all departmental specialized methods courses. Prerequisites: Educational Psychology 3325 and Secondary Education 3330.
- 3410. Basic Business and Consumer Education Methods.** (2-0-2) F. Specific teaching methods, content, textbooks, teaching materials, and audio-visual aids in the basic business subjects. Prerequisite: Business Education 3400 or concurrently with 3400.
- 3420. Shorthand Methods.** (2-0-2) F. Specific teaching methods, content, textbooks, teaching materials, and audio-visual aids in the secretarial business subjects. Prerequisites: Business Education 1250 or equivalent and 3400 or concurrently with 3400.
- 3430. Accounting Methods.** (2-0-2) S. Specific teaching methods, content, textbooks, teaching materials, and audio-visual aids in accounting courses. Prerequisites: One year of collegiate accounting and Business Education 3400 or concurrently with 3400.
- 3440. Typewriting and Office Procedures Methods.** (2-0-2) S. Specific teaching methods, content, textbooks, teaching materials, and audio-visual aids in the clerical business subjects. Prerequisites: Business Education 1120 or equivalent and 3400 or concurrently with 3400.
- 3500. Word Processing.** (3-0-3) An introduction to word processing in the modern office: encompasses word processing and administrative services concepts, equipment operation, and management control. Prerequisites: Business Education 1120 or equivalent; Business Education 2500 or equivalent.
- 4000. School Business Management Internship.** (Arr.-Arr.-3) F, S. School business practices are studied under the direction and supervision of a school business manager. Prerequisites: Admission to teacher education and permission of the department chairperson.
- 4275. Internship.** (Arr.-Arr.-3 or 6 or 9 or 12 or 15) (Credit/No Credit) F, S. A minimum of 360 hours of employment in a firm approved by the instructor; a training memorandum and approval prior to enrollment is required. Prerequisite: Acceptance of the student by a business firm and by the instructor as evidenced by a training memorandum.
- 4740. Independent Study.** (Arr.-Arr.-1 to 3) F, S. Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Prerequisites: Senior standing, consent of the supervising instructor and approval of a completed application by the department chairperson prior to registration.

Courses Open to Juniors, Seniors, and Graduate Students

- 4750. Office Management.** (3-0-3) F, S. Planning and organizing administrative office operations; implementing management-control function through systems analyses, work measurement and standards, budgetary control, and job analyses; staffing, training, orienting and supervising office workers.
- 4800. Electronic Information Processes.** (2-0-2) On demand. The study of sophisticated transmission systems, including electronic, telecommunication, fiber optic, and satellite transmission; and their impact on information processing in the office. Prerequisite: Junior standing.

- 4913. Organization and Administration of Cooperative Occupational Education.** (3-0-3) F. Introduction to cooperative education programs, program needs, resources, constraints, public relations, and policy development are analyzed.
- 4923. Coordination Techniques for Cooperative Occupational Education.** (3-0-3) S. Methods and techniques for preparation of teacher coordinators. Student selection, training agreements, training plans, legal requirements, related class management, individualized instruction, and program evaluation are emphasized.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5060. Administration and Supervision of Occupational Education.** (2) On demand. To prepare personnel for administering and supervising occupational education programs. Team teaching in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5070. Seminar in Occupational Education.** (3) On demand. Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5080. Seminar in Occupational Education.** (1) On demand. Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5090. Seminar in Occupational Education.** (1-4) On demand. Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5300. Measurement and Evaluation in Business Education.** (3) On demand. Testing techniques; construction of tests in cognitive and skill areas; statistical procedures necessary for test interpretation and use.
- 5720. Issues and Trends in Business Education.** (3) On demand. Current issues and problems in business education curriculum and practices which arise from needs and interests of students.
- 5800. Improvement of Instruction in Office Education.** (3) On demand. May be taken twice for credit. Methods and techniques of teaching curriculum, instructional media, materials, and equipment; research significant to the teaching of office education subjects.
- 5810. Improvement of Instruction in Basic Business Education.** (3) On demand. May be taken twice for credit. Methods and techniques of teaching; curriculum, development of materials; research in the areas of basic business, accounting, and data processing.
- 5900. Research in Business Education.** (3) On demand. Analysis and evaluation of research in business curricular area; introduction to research technique and preparation of formal research report.
- 5950. Thesis.** (3 to 6) Plan, design, and conduct of research culminating in formal written report of research findings, conclusions, and recommendations. *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study.** (1 to 6) Intensive investigation of a topic in cooperation with an approved instructor. Enrollment is by application. Prerequisites: Graduate standing, consent of approved instructor and approval of a completed application by the department chairperson prior to registration. *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

CHEMISTRY

Ebdon, D., Chairperson, Alexander, Buchanan, Carlson, Cunningham, Ellis, Foote, B., Foote, C.D., Hamerski, Henderson, G., Jordan, Karraker, Keiter, E., Keiter, R., Madigan, Marquart, Osborne, Shepherd, Sherman, Smith, R.J., Steele.

Chemistry 1050 is a one semester course covering topics of contemporary interest for the non-science oriented student. It is particularly appropriate for use in the Mathematics-Science General Education requirement.

For most other students, Chemistry 1310 (lecture) and 1315 (laboratory) are taken the first semester. For the student who has had no high school chemistry or whose background in algebra is weak, Chemistry 1300 and 1315 should be taken instead of 1310 and 1315. There is one additional meeting per week and thus the pace is slower.

For the second semester, Chemistry 1410 (lecture) and 1415 (laboratory) is offered for those whose interest is in the biological sciences and the various pre-professional programs in the medically related fields. Chemistry 1510 (lecture) and 1515 (laboratory) is offered for those whose interest is in the physical sciences, mathematics and pre-engineering.

The following sequences are acceptable for credit toward graduation: Chemistry 1300 and 1315, or 1310 and 1315, 1410 and 1415; Chemistry 1300 and 1315, or 1310 and 1315, 1510 and 1515.

Note: A breakage ticket of \$5 is required for laboratory courses in Chemistry. The unused portion is returnable at the end of the course.

Undergraduate Courses

- 1050. Adventures in Chemistry. (3-2-4) F, S.** Chemistry and its relationship to everyday living. Includes topics such as consumer products, drugs, air/water pollution and energy sources. No credit toward major in chemistry nor for a student who has credit in a previous course in college-level chemistry.
- 1300. General Chemistry. (4-0-3) F, S.** An introductory course for those with no high school chemistry or weak algebra background. The same as Chemistry 1310 but at a slower pace. Chemistry 1315 must be taken concurrently. Credit not granted for both Chemistry 1300 and 1310.
- 1310. General Chemistry I. (3-0-3) A** basic course covering fundamental principles. Chemistry 1315 must be taken concurrently. Prerequisite: One year of high school chemistry. Not recommended for those whose ACT mathematics score is less than 21 without prior or concurrent enrollment in Mathematics 1270 or 1300. Credit not granted for both Chemistry 1310 and 1300.
- 1315. General Chemistry Laboratory I. (0-3-1)** Must be taken concurrently with Chemistry 1310 and 1300.
- 1390 (1310H). General Chemistry I for Honors Students. (3-0-3) F.** An introduction to chemical principles and their applications. Topics include: stoichiometry; atomic structure; bonding; properties of gases; liquids, solids and solutions; acids and bases; redox. Chemistry 1395 must be taken concurrently. Prerequisites: One year of high school chemistry and intermediate algebra.
- 1395 (1315H). General Chemistry Laboratory I for Honors Students. (0-3-1) F.** Experimental work demonstrating chemical principles and their applications. Must be taken concurrently with Chemistry 1390.
- 1410. General Chemistry II. (3-0-3)** The second semester of the general chemistry sequence for biological science majors and those in the various medical fields. Chemistry 1415 must be taken concurrently. Prerequisites: Chemistry (1300, 1315) or (1310, 1315). Credit not granted for both Chemistry 1410 and 1510.
- 1415. General Chemistry Laboratory II. (0-3-1)** Must be taken concurrently with Chemistry 1410. Credit not granted for both Chemistry 1415 and 1515.
- 1510. General Chemistry II. (3-0-3) S.** The second semester of the general chemistry sequence for physical science, mathematics and pre-engineering majors. Chemistry 1515 must be taken concurrently. Prerequisites: Chemistry (1300, 1315) or (1310, 1315). Credit not granted for both Chemistry 1510 and 1410.
- 1515. General Chemistry Laboratory II. (0-3-1) S.** Must be taken concurrently with Chemistry 1510. Credit not granted for both Chemistry 1515 and 1415.
- 1590 (1510H). Chemistry for Honors Students. (3-0-3).** Principles of thermodynamics, kinetics, equilibrium and electrochemistry and elucidated and applied to relevant inorganic and organic chemical systems. Prerequisites: Chemistry 1390. Chemistry 1595 must be taken concurrently.
- 1595 (1515H). Chemistry Laboratory II for Honors Students.** Experimental work demonstrating chemical principles and their applications. Must be taken concurrently with Chemistry 1590.
- 2310. Descriptive Inorganic Chemistry. (2-0-2) S.** Physical and chemical properties of the elements and their compounds, presented at an elementary level. Prerequisites: Chemistry (1410, 1415) or (1510, 1515).
- 2720. Principles of Quantitative Analysis. (2-4-3)** The general principles of volumetric and gravimetric analysis with an introduction to instrumental methods. Prerequisites: Chemistry (1410 and 1415) or (1510 and 1515); Mathematics 1270 or 1300, or satisfactory score on the mathematics placement exam. Primarily for students in the life sciences and in pre-health profession studies. Not open to chemistry majors. Credit not granted for both Chemistry 2720 and 2730.
- 2730. Quantitative Analysis. (2-4-3) F.** Theory and applications of gravimetric, volumetric, electrochemical, chromatographic and spectrophotometric quantitative chemical analysis. Prerequisites: Chemistry 1510 and 1515. Credit not granted for both Chemistry 2720 and 2730.
- 3000. Undergraduate Seminar. (1-0-0) F, S.** Audit only. For juniors. Prerequisite: Concurrent registration in Chemistry 3910 or permission of the instructor.
- 3001. Undergraduate Seminar. (1-0-1) F, S.** A thorough search of a recent development in chemistry and the presentation of a talk based on this search. For juniors. Prerequisite: Chemistry 3000.
- 3100. Practicum in Chemistry. (0-3-1) F, S.** Practical experiences in preparing and handling chemical materials, supervising a chemical stockroom and assisting in a chemistry laboratory. Prerequisite: Two years of college chemistry. Should be completed prior to student teaching. Enrollment is restricted to chemistry majors and minors in the teacher certification program.
- 3200. Cooperative Education in Chemistry. (0-0-1 to 4) (Credit/No Credit)** May be repeated for up to 15 sem. hrs. Credit does not count toward the major in Chemistry. Individually planned work experience in industry or government, supervised jointly by Chemistry faculty and the host institution. At least two work terms separated by academic terms are required. Prerequisites: Minimum GPA of 2.50 and minimum combined GPA in Chemistry, Physics and Mathematics of 2.50, completion of sophomore year or two semesters of organic chemistry, and permission of the department chairperson.
- 3430. Organic Chemistry I. (4-0-4)** Studies in aliphatic and aromatic compounds with an introduction to the theories of organic chemistry and reaction mechanisms. Prerequisite: Chemistry (1410, 1415) or (1510, 1515). Chemistry majors must elect Chemistry 3435 concurrently.
- 3435. Organic Chemistry Laboratory. (0-3-1)** Laboratory experiments illustrating the major concepts of Chemistry 3430. Prerequisite: Concurrent or prior registration in Chemistry 3430.
- 3440. Organic Chemistry II. (3-0-3) S.** A continuation of Chemistry 3430 emphasizing reaction mechanisms and spectroscopy. Recommended for majors in the life sciences and for those in pre-professional programs in the health fields. Chemistry majors should elect Chemistry 3840 and 3845. Prerequisites: Chemistry 3430 and 3435. Credit not granted to those with credit in Chemistry 3840.
- 3450. Biochemistry. (3-0-3) F, S.** Chemistry of biologically important compounds and an introduction to their roles in living material. Prerequisite: Chemistry (3430 and 3435).
- 3780. Instrumental Analysis. (2-3-3) F.** Instrument design and analytical applications for the techniques of UV-visible, spectrometry, fluorescence spectrometry, flame photometry, atomic absorption spectrometry, polarography, coulometry, HPLC and gas chromatography. Prerequisites: Chemistry 2730, 3910 or simultaneous enrollment therein.
- 3840. Organic Chemistry II. (3-0-3) S.** A continuation of Chemistry 3430 emphasizing reaction mechanisms, spectroscopic identification and synthetic sequences from a practical and theoretical viewpoint. Required for Chemistry majors and for those in the pre-chemical engineering program. Prerequisites: Chemistry 3430 and 3435. Credit not granted to those with credit in Chemistry 3440.
- 3845. Advanced Organic Chemistry Laboratory. (0-6-2) S.** Multisyntheses, determination of reaction mechanisms and qualitative analysis. Prerequisite: Concurrent (or prior) enrollment in Chemistry 3840.
- 3910, 3920. Physical Chemistry. 3910 (4-0-4) F. 3920 (3-0-3) S.** To be taken in sequence. A study of the principles governing chemical change. Included are: thermodynamics, kinetics, quantum theory and statistics. Prerequisites: Chemistry 1510; Mathematics 2352 and 2361; Physics 1360.

3915. **Physical Chemistry Laboratory.** (0-6-2) S. Experimental investigation of the thermodynamic and kinetic behavior of several chemical systems. Prerequisite: Chemistry 3910; Chemistry 3940 is strongly recommended as a corequisite.
3940. **Computer Programming in Chemistry.** (1-3-2) S. Techniques in FORTRAN programming, data manipulation, curve fitting, numerical methods and computer graphics are developed with emphasis on applications in chemistry. Prerequisites: Chemistry 3910, Mathematics 2300 or permission of instructor.
4000. **Undergraduate Seminar.** (1-0-0) F, S. Audit only. For seniors. Prerequisite: Chemistry 3001.
4001. **Undergraduate Seminar** (1-0-1) F, S. A thorough search of a recent development in chemistry and the presentation of a talk based on this search. For seniors. Prerequisite: Chemistry 4000.
4400. **Undergraduate Research.** (Arr.-Arr.-1 to 6) Laboratory or theoretical research in which the student works under the supervision of a staff member. A written report is required. Prerequisite: Permission of the instructor and department chairperson.

Courses Open To Juniors, Seniors, and Graduate Students

4750. **Scientific Glassblowing.** (0-3-1) S. Basic glassworking techniques, including construction of several pieces of laboratory glassware. Prerequisite: Consent of instructor due to limited enrollment.
4770. **Molecular Structure.** (1-6-3) F. Determination of molecular size, shape, flexibility and electronic structure from spectroscopic measurements; spectrometric identification of organic compounds using NMR, mass spectrometry, UV-visible and IR spectrometry. Prerequisite: Chemistry 3920. (Graduate students whose undergraduate preparation lacks a course equivalent to Chemistry 3920 should register for Chemistry 5300 prior to or concurrent with registration in Chemistry 4770.)
4780. **Chemical Instrumentation for Biology.** (1-3-2) S. An introduction to the use of the major instruments of analytical chemistry used for research in Botany, Environmental Biology, and Zoology. Laboratory work will stress sample preparation and analysis of samples used in typical research projects. Does not count toward graduation credit for either B.S. or M.S. degrees in Chemistry. Prerequisites: Eight semester hours of chemistry and 12 semester hours of biological sciences.
4800. **Selected Topics in Chemistry.** (Arr.-Arr.-1 to 3) On demand. A course in a selected area of analytical, biological, inorganic, organic, physical, or polymer chemistry. May be repeated for credit if a different topic is taught. Prerequisite: Chemistry 3910 or permission of the instructor.
4900. **Modern Inorganic Chemistry.** (3-0-3) F. A study of the structures and reactions of inorganic compounds with particular emphasis on chemical bonding and coordination theory. Prerequisite: Chemistry 2310 and 3920.
4905. **Modern Inorganic Chemistry Laboratory.** (0-3-1) S. Prerequisite: Chemistry 4900.
4940. **Nuclear Chemistry.** (2-3-3) S. Radioactivity and the radioactive properties of isotopes are studied in relationship to their chemical properties and uses. Prerequisite: Two years of chemistry.
4960. **Industrial Chemistry.** (3-0-3) S. A detailed survey of the interrelation of the scientific, engineering and business aspects of the chemical industry including heat and mass balance, chemical economics, chemical marketing, case studies of important inorganic and organic processes. Prerequisite: Chemistry 3910 or permission of the instructor.
5030. **Advanced Methods for the Teaching of Chemistry.** (3) Su. On demand. The development of methods emphasizing inquiry through laboratory, demonstration and lesson presentation with self-evaluation by video-tape. Prerequisite: High school chemistry teaching experience or permission of the department chairperson. May be used for credit toward M.S. in Education degree only.
5040. **Chemical Instrumentation for High School Teachers.** (3) Su. On demand. Designed for high school teachers to give them practical experience in instrument design and performance for laboratory experiments applicable to a high school chemistry course. Prerequisite: High school science teaching experience or permission of the department chairperson. May be used for credit toward the degree M.S. in Education only.
5050. **Modern Organic Chemistry for High School Teachers.** (3) Su. On demand. Designed to provide high school teachers with an understanding of the basic principles of organic chemistry. Application of these principles to organic compounds that are of commercial, biological and environmental significance will be emphasized. Prerequisite: High school science teaching experience or permission of the department chairperson. May be used for credit toward the degree M.S. in Education only.
5070. **Elements of Physical Chemistry for High School Teachers.** (3) Su. On demand. A non-calculus course in physical chemistry designed for high school teachers of chemistry and biological science. Prerequisite: At least two years of college chemistry. Credit not granted to those with credit in Chemistry 3910, 3920. May be used for credit toward the M.S. in Education degree only.
5080. **Special Topics in Chemistry for High School Teachers.** (3) Su. On demand. A course in a selected area of chemistry for high school teachers. May be repeated for credit if a different topic is taught. May be used for credit toward the M.S. in Education degree only.
5120. **Theoretical Inorganic Chemistry I.** (3) S. Modern theories of chemical bonding, magnetic properties and organometallic chemistry of the transition metals. Prerequisite: Chemistry 3920.
5200. **Chemical Thermodynamics.** (3) On demand. A study of the laws governing the passage of energy from one chemical system to another and the transformation of energy from one form to another. Prerequisite: Chemistry 3920.
5250. **Special Topics.** (3) On demand. A course in a selected area of physical, analytical, inorganic, organic or biochemistry. May be repeated for credit if a different topic is taught. Prerequisite: Chemistry 3920 or permission of the instructor.
5300. **Molecular Spectroscopy.** (3) F. A study of the quantum principles, theory and applications of microwave, IR, UV, and NMR spectroscopy. Prerequisite: Chemistry 3920; Chemistry 4770 is desirable.
5400. **Physical Organic Chemistry.** (3) F. A course covering certain aspects of physical chemistry as related to organic molecules and their reactions. Prerequisites: Chemistry 3840 and 3920.
5410. **Organic Mechanisms and Synthesis.** (3) S. A study of the mechanisms of reactions and methods of synthesis in organic chemistry. Prerequisite: Chemistry 3840.
5460. **Biochemistry.** (3) S. General biochemistry; basic mechanisms of biological processes; enzyme action; genetic and hormonal control; metabolic cycles. Prerequisite: Chemistry 3440, 3840, or permission of the instructor.
5890. **Graduate Research.** (1 to 6) Prerequisite: May be taken only after specific arrangements are made with the student's research advisor and the department chairperson.
5950. **Thesis.** (3)
5990. **Independent Study.** (1-6) Selected problems based upon the student's background and interests. May be used as credit toward the M.S. in Education degree only. Prerequisite: Permission of the instructor and the department chairperson.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

The following courses are available only for the M.S. in Education degree in Physical Science: Chemistry 5030, 5040, 5050, 5070, 5080.

5010. **History of Chemistry.** (3) Su. On demand. The historical development of the science of chemistry is studied with the extensive use of reference materials. Prerequisite: Two years of chemistry.

DATA PROCESSING

(See Accountancy for staff members.)

Undergraduate Courses

1250. **Computer-Based Information Systems.** (2-0-2) F, S. An introduction to computer systems, software systems, programming techniques, inter-active terminals, data preparation methods, on-line data collection and data delivery systems. May be taken by non-business students wanting a survey of computer data processing systems. Not available for credit for students completing the degree B.S. in Business.
2175. **Computer-Based Systems and Business Applications.** (3-0-3) F, S. An introduction to computer systems, software systems, programming techniques, inter-active terminals, data preparation methods, on-line data collection and data delivery systems. Survey several business applications to give the student a general understanding of business applications. Prerequisite: Sophomore standing.
2300. **Computer-Based Problem Solving.** (3-0-3) F, S. Business problem solving through the use of computer and high level programming language. Disk and tape processing emphasized. Prerequisites: Data Processing 1250 or 2175 and sophomore standing.
2310. **Computer-Based Business Programming.** (3-0-3) F, S. Computer programming and reporting for file oriented, computerized information systems utilizing magnetic disk and tape file organization, creation, storage, retrieval, maintenance, and security with COBOL language. Prerequisites: Data Processing 2175 and sophomore standing.
3190. **File Oriented Programming.** (3-0-3) S. A study of the PL/I programming language for business related problems involving magnetic tape and disk files. Emphasis is on the structure of the language and file processing. Prerequisites: Data Processing 2300 or 2310, and junior standing.
3290. **Computer File Organization and Management Methods.** (3-0-3) F, S. The universal data base used with digital computer systems. Includes magnetic disk and tape file organization, creation, storage, retrieval, maintenance, and security with COBOL language. Prerequisites: Data Processing 2310 and junior standing.
3310. **Design of Information Systems.** (3-0-3) F, S. The analysis, design, structure, and development of computer-based information systems. Introduces the student to general system theory and the salient features of the management information system. Prerequisites: Data Processing 2310 and junior standing.
3330. **Real-Time Business Systems.** (3-0-3) F, S. A study of the process of integrating the computer based, file oriented business system with its on-line, visual display terminal based environment. Includes examination of real-time MIS concepts and study of data-base organizational principles. Prerequisite: Data Processing 3310.
4275. **Internship in Data Processing.** (Arr.-Arr.-3 or 6 or 9 or 12 or 15) (Credit/No-Credit). Employment experience in a computer related function for one semester in a firm approved by the department chairperson. Prerequisites: Permission of the department chairperson and acceptance of the student by a business firm on the basis of the student's application.
- 4610 (Management 4610). **Management of Data Processing.** (3-0-3) F, S. Planning, controlling, evaluating, budgeting and protecting the data processing functions, equipment, and personnel. Prerequisite: Data Processing 3310.
4740. **Independent Study.** (Arr.-Arr.-3) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Prerequisites: Senior standing, cumulative grade point average of 3.0 or higher; consent of the supervising instructor and approval of a completed application by the department chairperson prior to registration.

Courses Open To Juniors, Seniors, and Graduate Students

4810. **Computer-Based Business Application.** (3-0-3) F. An intensive study of quantitative models as they relate to solution by digital computers. Ready-made vs. custom built; descriptive vs. optimizing; and static vs. dynamic models will be investigated. Prerequisites: Data Processing 2300 or 2310 and Management 2810.

EARTH SCIENCE (Offered in the Department of Geography and Geology.)

(See Geography for staff members.)

Undergraduate Courses

1410. **Weather and Climate.** (3-2-4) F, S. Study of weather and climate, the factors which influence them, and their importance to man; recent developments in meteorology presented.
1420. **Physical Geography.** (2-2-3) F, S. Study of the earth's surface, landforms, water resources, soils, vegetation, and their areal interrelationships. Field trip.
1490. **Weather and Climate for Honors Students.** (3-2-4) S. An introduction to the study of the atmosphere and its processes. Topics include: atmospheric structure and composition, weather elements, climatic change, and interactions between man and the atmosphere. Research papers and field trips required.
2420. **Regional Geomorphology.** (2-2-3) S. Landforms of the United States; work with maps of landforms; consideration to composition, distribution and the processes by which the land is shaped. Field trip.
2460. **Oceanography.** (3-0-3) S. Descriptive study of the physics, chemistry, biology and geology of the world ocean.
3000. **Elementary Earth Science I.** (2-2-3) S. Earth's motions, processes of land formation, earth's resources. (No credit if Earth Science 1420 or Geology 1400 has been taken.)
3300. **Soils.** (2-2-3) S-even numbered years. Survey of basic topics in soil science. Chemical and physical processes in soils biota and organic matter, soil classification and soil fertility. Applied laboratory experiences. Prerequisite: Chemistry 1410 or 1510. Cross listed as Geography 3300.
3410. **Climatology.** (2-2-3) F. Study of the earth's energy and water balances, climate classification systems, synoptic climatology, paleoclimatology, agricultural and urban climatology, theory of jet streams. Prerequisite: Earth Science 1410 (or equivalent).
3960. **Special Topics.** (Arr.-Arr.-2 to 4) On demand. Readings, discussion, reports, on-campus and off-campus fieldwork on specific areas or topics in earth science. May be repeated with permission of department chairperson, for a maximum of six semester hours. Prerequisite: Minimum of four courses in earth science major or consent of the instructor.
4420. **Independent Study.** (Arr.-Arr.-1 to 3) Individual study under faculty supervision on a topic selected by the student. May be repeated to a maximum of six semester hours. Prerequisite: Permission of the faculty supervisor and approval of the department chairperson.

ECONOMICS

Murad, A., Chairperson, Arshad, Bates, Corley, Fahy, Jaiswal, Kaouk, Karbassoon, Lenihan, P., Lynn, Myers, A., Nordin, Ribelin, Sidwell, R., Smith, A., Suliman, Sullivan, T., Thompson, W.

Undergraduate Courses

2801. **Principles of Economics I.** (3-0-3) A short introduction followed by a discussion of the causes and cures of inflation and unemployment.
2802. **Principles of Economics II.** (3-0-3) A study of the determination of individual prices in a market economy and related problems. Prerequisite: Economics 2801.
- 2891 (2801H). **Principles of Economics I for Honors Students.** (3-0-3). A short introduction followed by a discussion of the causes and cures of inflation and unemployment.
- 2892 (2802H). **Principles of Economics II for Honors Students.** (3-0-3). A study of the determination of individual prices in a market economy and related problems. Prerequisite: Economics 2891.
3750. **Studies in Europe.** (Arr.-Arr.-1 to 6) See A & S 3750. Prerequisites: Economics 2801, 2802, and permission of the department chairperson. May not be used toward a minor.

- 3810. Economics of Natural Resources.** (3-0-3) F, S. An introduction to economic analysis of natural resources and the environment. *Note:* May not be counted as part of the 36 semester hour requirement in economics for economics majors. Credit for graduation not granted to economics majors.
- 3833. Economic Development of Modern Europe.** (3-0-3) S. A survey of the economic history of Europe with primary emphasis on the period after 1850. Prerequisite: Economics 2802 or permission of the instructor.
- 3835. American Economic Development.** (3-0-3) S. Evolution of the economy with emphasis on basic economic institutions and major forces in the process of growth and development. Prerequisite: Economics 2802.
- 3851. Public Finance.** (3-0-3) S. A study of taxation, government spending, public debt, and the role of government in a market economy. Prerequisite: Economics 2802.
- 3853. Urban and Regional Economics.** (3-0-3) S. An introduction to Spatial Economics with emphasis on policy and planning to alleviate social problems that result from the uneven distribution of economic activities. Prerequisite: Economics 2802 or permission of the instructor.
- 3860. International Economics.** (3-0-3) Principles of foreign trade and finance; balance of payments; tariffs; quotas and commercial policies of major countries. Prerequisite: Economics 2802 or permission of the instructor.
- 3880. Government and Business.** (3-0-3) F, S. The market structures in which business operates; public policies for regulation and control of those markets. Prerequisite: Economics 2802 or permission of the instructor.
- 3881. Economics of Public Utilities.** (3-0-3) S. This course entails an examination of the unique economic characteristics which set public utilities apart from other corporations, and explains why these firms are subject to regulation. Prerequisite: Economics 2802 or permission of the instructor.
- 3890. Labor Economics.** (3-0-3) F. Wage theory, history of the labor movement, collective bargaining, labor legislation, and poverty. Prerequisite: Economics 2802 or permission of the instructor.
- 3891 (3860H). International Economics for Honors Students.** (3-0-3) Principles of foreign trade and finance; balance of payments, tariffs, quotas and commercial policies of major countries. Prerequisite: Economics 2891 or permission of the instructor.
- 3990. Summer Studies in Ireland and Britain.** (Arr.-Arr.-6) Su. Independent study in economics. Six weeks of residence in the Republic of Ireland or Britain is required. Open to juniors and seniors. (See Arts and Sciences 3990.) May not be counted toward a minor.
- 3991 (4991). Statistics Applied to Economics I.** (3-0-3) F. Measures of central tendency and dispersion, statistical distributions, regression, and hypothesis testing with applications to economics. Prerequisite: Economics 2802 or permission of the instructor. No credit toward graduation for a student with credit in another introductory statistics course.
- 3992 (4992). Statistics Applied to Economics II.** (3-0-3) S. (Omitted 1986-87). Non-parametric statistics, chi-square and F distributions, index numbers, and time series with application to economics. Prerequisite: Economics 3991 or permission of the instructor.
- 4275 (4000). Internship in Economics.** (Arr.-Arr.-9 or 12) (Credit/No-Credit). A semester's experience as an intern in state, federal, or international agency or business firm. Twelve semester hours may be earned in the fall or spring semesters and 9 semester hours during the summer term. Credit for this program does not count toward graduation if the student has earned 12 or more semester hours of credit/no-credit in student teaching or any other internship offered by the university. *Note:* Not more than six semester hours can be used to meet the total credit hours required in the major. Prerequisite: Permission of the department chairperson and acceptance of the student by a state, federal, or international agency or business firm on the basis of the student's application.
- 4444. Honors Independent Study.** (Arr.-Arr.-3) Consideration of special topics in Economics. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and Departmental Honors Coordinator.
- 4505. Business Cycles.** (3-0-3) S. Fluctuations in economic activity and their causes, methods of forecasting, and policies for growth and stability. Prerequisite: Economics 2802.
- 4511. Comparative Economic Systems.** (3-0-3) F. (Omitted 1985-86). A comparative study of the economic organization, policies, achievements and problems of the systems of capitalism, socialism, and communism. Prerequisite: Economics 2802 or permission of the instructor.
- 4520. History of Economic Thought.** (3-0-3) F. To emphasize various schools of thought including the Classicalists, Socialists, Marxists, Marginalists, Institutionalists, and Keynesians. Prerequisite: Economics 2802.
- 4570. Economic Problems of the Developing Countries.** (3-0-3) F. (Omitted 1986-87). An analysis of the economic problems of the developing countries and theories of economic development. Prerequisite: Economics 2802 or permission of the instructor.
- 4594. Economics of Human Resources.** (3-0-3) F. (Omitted 1986-87). A survey of the field of human resource development with emphasis on policies for correcting problems of structural unemployment and underemployment. Prerequisite: Economics 2802 or permission of the instructor.
- 4596. Economics of Collective Bargaining.** (3-0-3) S. (Omitted 1985-86). The subjects of collective bargaining and the resolution of conflict are studied on the theoretical and descriptive levels. Prerequisite: Economics 3890 or permission of the instructor.
- 4644. Honors Thesis (Arr.-Arr.-3)** Intensive research in preparation of a thesis on a topic in Economics approved by faculty supervisor and the Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.
- 4666. Honors Seminar. (Arr.-Arr.-3)** Areas of investigation which require integration of Economics and research will be treated. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.

Courses Open To Juniors, Seniors, and Graduate Students

- 4751. Managerial Economics.** (3-0-3). The application of economic theory and method to managerial decision making. Prerequisites: Economics 2802 and Management 2810 or permission of the department chairperson.
- 4801. Intermediate Macroeconomic Theory.** (3-0-3) F.S. Analysis of the determination of national income, employment, wages, and factors affecting inflation and growth. Prerequisite: Economics 2802.
- 4802. Intermediate Microeconomic Theory.** (3-0-3) F, S. Analysis of product and factor price theory under alternative market classifications. Prerequisite: Economics 2802.
- 4803. Mathematical Economics.** (3-0-3) S. (Omitted 1985-86). The application of mathematical tools to economics. Various economic theories are formulated in a mathematical framework. Prerequisite: Economics 4802 or permission of the instructor.
- 4813. The Soviet Economy.** (3-0-3) S. (Omitted 1986-87). A descriptive analysis of the economic structure of the Soviet Union with primary emphasis on the post World War II period. Prerequisite: Economics 2802 or permission of the instructor.
- 4840. Money and Banking.** (3-0-3) F. Money and banking in the modern economy; history and theory of monetary policy. Prerequisite: Economics 2802 or the equivalent.
- 4861. International Economic Problems.** (3-0-3) F. (Omitted 1986-87). Current international economic problems; balance of payments adjustment; exchange rate policy; international monetary mechanism. Prerequisite: Economics 3860 or permission of the instructor.
- 4872. Economic Planning.** (3-0-3) S. (Omitted 1986-87). A study of development planning by public authorities in market economies as well as command economies. Prerequisite: Economics 4570 or permission of the instructor.
- 4875. Area Studies.** (3-0-3) S. A study of economic conditions and development problems in a specific geographical area such as Tropical Africa, Middle East, or Latin America. The topic will vary from semester to semester; the course may be repeated with each change of topic. Prerequisite: Economics 2802 or permission of department chairperson.
- 4950. Independent Study.** (Arr.-Arr.-2 or 3) Independent study in economics. Designed for the individual student needs at either the undergraduate or graduate level. Prerequisites: Economics 2802 and pre-registration conference with the chairperson of the department.

4993. **Introduction to Econometrics.** (3) S. A study of regression estimations, tests and predictions, estimation problems and remedies, simultaneous equations systems with application to economics. Prerequisites: Economics 3991, Mathematics 2110 and 2120, or permission of instructor.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5275. **Internship in Economics.** (1 to 3) May be repeated for a second semester. Supervised internship in a private business or a government agency. Prerequisite: Graduate standing and approval of the chairperson. A maximum of nine semester hours may be earned in a combination of 5275, 5950 and 5990.
5401. **Advanced Macroeconomic Theory.** (3) S. Advanced analysis of determination of income, employment, investment, and wages; inquiry into the nature of equilibrium and equilibrating process. Prerequisite: Economics 4801 or permission of the instructor.
5402. **Advanced Microeconomic Theory.** (3) S. A development of value and distribution theories. Detailed analysis of the reactions of consuming and producing units. Prerequisite: Economics 4802 or permission of the instructor.
5421. **Seminar in Recent History of Economic Thought.** (3) F. A study to acquaint students with the best minds that exerted themselves on economics as a body of scientifically developed propositions since 1900. Prerequisite: Economics 4520 and/or permission of the instructor.
5441. **Seminar in Monetary Theory.** (3) F. Critical inquiry into the nature of the demand for money and the effect of monetary policy on national income and employment. Prerequisite: Economics 4840 or equivalent.
5451. **Seminar in Public Finance.** (3) S. A study of the relationship between the public sector and the rest of the economy. Prerequisites: Economics 4801 and 4802.
5461. **Seminar in International Economics.** (3) F. A study of the pure and monetary theories of international economics. Prerequisite: Economics 3860 or permission of the instructor.
5471. **Seminar in Economic Development.** (3) S. (Omitted 1986-87). A study of the theories and institutions of development and underdevelopment. Prerequisite: Economics 4570 or permission of the instructor.
5481. **Seminar in Public Control of Industry.** (3) F. Selected problems of economic policy arising from the interrelations of government and business with emphasis on maintaining competitive enterprise. Prerequisite: Economics 3880 and/or permission of the instructor.
5491. **Problems in Labor Economics.** (3) F. The theory of wages and employment; the applications of the theory to contemporary problems. Prerequisite: Economics 3890 and/or permission of the instructor.
5493. **Economics of Human Resources.** (3) S. (Omitted 1985-86). A study of current problems in the areas of human development and utilization. Prerequisite: Economics 3890 and/or permission of the instructor.
5900. **Research Methods.** (2) F. The formation of concepts, hypotheses, theories and research problems; the selection of research method; error in economic data.
5950. **Thesis.** (3 to 6) Note: A maximum of nine semester hours may be earned in a combination of 5950, 5275, and 5990.
5990. **Independent Study.** (1 to 6) Note: A maximum of nine semester hours may be earned in a combination of 5990, 5275, and 5950.

EDUCATIONAL ADMINISTRATION

Smitley, D., Chairperson, Bartz, Janes, Merigis.

Please note that course in Educational Administration will be offered as frequently as possible. For a specific schedule of courses, students should contact the Chairperson of the Department of School Service Personnel.

Courses Open To Juniors, Seniors, and Graduate Students

4780. **Studies in Education.** (3-0-3) On demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student

is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.

4790. **Studies in Education.** (2-0-2) On demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.

Graduate Courses

(Course numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5410. **School Law.** (3) Includes an analysis of selected general legal principles, case and statute law, and law-making agencies affecting Illinois public schools. Key content areas include the legal system; role of federal, state, and local governments; the legislative process; school governance, policies and rules and regulations; church and state; civil rights; student and parent rights and responsibilities; teacher rights and responsibilities; collective bargaining, torts and contracts, and legal research. Content is designed for the practical application of school law.
5420. **School-Community Relations.** (2) Practices and procedures for developing and implementing an effective school-community relations program. Attention is given to the roles of school district staff members in public relations and politics of education. Students are provided opportunities to develop materials for use in their local schools or districts.
5490. **Special Educational Problems.** (1-3) Provides the student an opportunity for investigation and analysis of elementary or secondary school problems of a significant nature.
5600. **Introduction to Organization and Administration.** (4) The basic functions, tasks, and processes germane to administration. Focuses on leadership and motivation theory, research, and practice as applied to administration and management.
5630. **Administration and Supervision of the Elementary School.** (4) Develops interrelationship of pupils, staff and resources in the elementary school. Focus on the tasks performed and leadership skills needed.
5640. **Administration and Supervision of the Secondary School.** (4) Focus on the roles, responsibilities, and duties of middle, junior high, and high school principals.
5700. **Supervision of Instruction.** (3) Origin and development of the supervisory function. Focus on the role of the principal and/or supervisor in the improvement of instruction and in curriculum development. Activities, methods, and resources for improving instruction are stressed.
5850. **School Plant Planning.** (2) Emphasizes the planning procedures and criteria, data needs, health and safety concerns, internal and external environments, the up-grading of existing facilities, and flexibility of building use for educational programming. Planning, development, utilization, maintenance, and evaluation of educational facilities are highlighted by consultants, field trips, and class projects designed to emphasize practical applications.
5860. **School Finance.** (3) Primary focus on the financing of Illinois public schools and the theoretical background of public school finance so that students can apply those theories to various school finance models. Budget analysis, state aid mechanisms, taxing, auditing processes, and finance law are emphasized. Practicing school business administrators and public officials provide current information regarding application of content.
5870. **Personnel Administration.** (3) Major areas included are recruitment, selection, and induction procedures; personnel compensation and evaluation programs; staff development techniques; and collective bargaining processes in education.
5900. **Introduction to Research in Education.** (2) Addresses the necessary skills to conduct and interpret educational research. Elementary statistics and research design are emphasized.
5910. **5920. Internship in Administration.** (3 each course) Prerequisite: Permission of the department chairperson.
5950. **Thesis** (3 or 6) Note: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
5960. **Data Management in Educational Administration.** (3) Focus on the development of skills which will enable school administrators to utilize data management functions logically and systematically, to provide effective services, and to make effective decisions. Hands on microcomputer applications are provided as is a basic intro-

duction to software and hardware analysis and utilization. No micro-computer skills are necessary for the course.

5990. **Independent Study. (1 to 6)** Intended to permit a student to pursue more intensively various aspects of the area of his/her special interest. Note: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.
6650. **The Superintendent of Schools. (4)** Leadership roles of the superintendent of schools and other central office administrators in relation to board members, principals, teachers, parents, citizens, and representatives of state and national government organizations. Attention to the work of central office administrators in personnel (including collective bargaining), finance, public relations, curriculum, and building and grounds.
6660. **Administration in Higher Education. (3)** Various organizational models and executive roles common to higher education administration. Decision theory, role analysis, accountability models, and principles of organizational behavior. Prerequisite: Equivalent of the Master's degree or permission of the department chairperson.
6700. **Planning and Evaluation of Instructional Programs. (3)** Techniques for curriculum planning that can be utilized by teachers and administrators. Methods are outlined for evaluating the effectiveness of courses and educational programs.
6810. **Seminar: School Operations and the Law. (2)** An advanced course designed for the practicing school administrator. Emphasis on the law as related to elections and referendums, finance, collective bargaining, special education, staff termination, transportation, and school board practices. Special topic areas will be developed based upon individual needs and interests.
6870. **Professional Negotiations — Collective Bargaining in Education (3)** Assists students in developing the skills necessary to assume administrative leadership in preparation and planning for collective bargaining with school district employee groups. Presentations of current issues in educational collective bargaining and roles of personnel in the bargaining process. Students have opportunities to engage in simulated bargaining sessions.
- 6910, 6920. **Field Experience in Administration. (4 each course) F, S.** The field experience is planned by the supervising professor. Prerequisite: Educational Administration 6700.

EDUCATIONAL FOUNDATION

Larson, H.R., Chairperson, Barger, R.N., Gholson, R.E., Guckert, J.C., Lanman, M.M., North, J.T., Pierson, G., Rogers, D.L., Sutton, K.R., Williams, G.D.

Undergraduate Courses

1000. **Schools, Citizens, and Society. (3-0-3) F, S.** Nature and place of public education in American society. Citizen's relationship to public education as pupil, parent, taxpayer and voter. Recommended for students as partial fulfillment of the general education requirement in social studies. Elective for education majors, but not credited toward professional requirements in education.
3500. **Multicultural Education. (3-0-3)** Ideas and events supporting the development of multicultural education, and means of its implementation.
4450. **Philosophy and History of Education. (3-0-3)** The philosophical and historical foundations of leading educational theories as they treat human nature, objectives, and processes of education. Prerequisite: Junior standing.
4741. **Independent Study. (Arr.-Arr.-1-3)** May be repeated for a total of 6 semester hours credit. Prerequisite: Permission of the department chairperson.

Courses Open To Juniors, Seniors, and Graduate Students

4750. **Introduction to Adult Education. (3-0-3)** Adult education today, its career opportunities, and its historical and theoretical foundations.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5500. **Curriculum Development. (3)** Basic determinants of curriculum; factors influencing curricular design; current trends, including experimental programs and practices; relating all of this to educational programs at various academic levels. Credit applicable to Group I of the requirements for the degree M.S. in Ed.
5510. **Social Foundation of Education. (3)** The school in society; effects of cultural patterns, social classes, community organizations, and some social problems. Credit applicable to Group I of the requirements for the degree M.S. in Ed.
5530. **Philosophy of Education. (2)** The sources of systematic theories, and critical analyses of some common educational slogans and ideologies. Credit applicable to Group I of the requirements for the degree M.S. in Ed.
5540. **History of Educational Thought. (2)** Major economic, political, religious, and scientific ideas of education constantly recurring and interacting with Western civilization. Credit applicable to Group I of the requirements for the degree M.S. in Ed.
5990. **Independent Study. (1 to 6) On demand.** Intended to permit a student to pursue more intensively various aspects of the area of his/her special interest. Prerequisite: Permission of the department chairperson.

EDUCATIONAL GUIDANCE

(See Educational Psychology for staff members.)

Courses Open To Juniors, Seniors, and Graduate Students

4900. **Principles and Techniques of Guidance. (3-0-3)** An introductory course, principles and purposes underlying guidance activities. Prerequisite: Eight semester hours in education and psychology. Required of students in family services curriculum.
4910. **Guidance in the Elementary School. (3-0-3) F.** A study of principles and techniques of guidance services in the elementary school. Prerequisite: Eight semester hours in education and psychology.
4913. **Organization and Administration of Cooperative Occupational Education. (3-0-3)** Introduction to cooperative education programs, program needs, resources, constraints, public relations, and policy development are analyzed.
4923. **Coordination Techniques for Cooperative Occupational Education. (3-0-3)** Methods and techniques for preparation of teacher coordinators. Student selection, training agreements, training plans, legal requirements, related class management, individualized instruction, and program evaluation are emphasized.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5060. **Administration and Supervision of Occupational Education. (2) On demand.** To prepare personnel for administering and supervising occupational education programs. Team teaching in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
5070. **Seminar in Occupational Education. (3) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
5080. **Seminar in Occupational Education. (1) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.

- 5090. Seminar in Occupational Education. (1-4) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5100. Counseling the Mature and Aged Person. (3) S.** Counseling techniques and practice in dealing with problems pertaining to the fulfillment of life in later years. Life style changes of middle and later years are included. Prerequisite: Permission of the department chairperson.
- 5360. Introduction to Family Counseling. (3) F.** A study of the emergence of and basic theoretical concepts of family counseling and its utilization. Prerequisite: Permission of the department chairperson.
- 5490. Special Educational Problems. (1-3)** Provides the student an opportunity for investigation and analysis of elementary or secondary school problems of a significant nature. Prerequisite: Permission of the instructor. May be repeated for a total of six semester hours credit.
- 5720. Measurement Applied to Guidance. (3) F, Su.** A study of the selection, administration, scoring, and interpretation of standardized tests and other measuring techniques used in guidance and counseling programs. Prerequisite: Eight semester hours in education and psychology.
- 5730. Play Therapy. (3) S.** The importance of play in education; discussion of theories and values of play; using play as therapeutic treatment. Prerequisite: Permission of the department chairperson.
- 5760. Student Services and Programs in Higher Education. (3) F.** A study of personnel functions affecting students in higher education including admissions, financial aid, housing, student activities, counseling, and placement. Prerequisite: Eight semester hours in education and psychology.
- 5770. Student Personnel Services and Administration in Higher Education. (3) S.** A study of student personnel functions and leadership strategies. Attention to the history, ethical and legal issues, staff development programs, management and evaluation. Prerequisite: Educational Guidance 5760.
- 5880. Practicum in Student Personnel Work in Higher Education. (3) F.** Supervised practice in student personnel work according to the student's background and preferences. Prerequisite: Permission of the department chairperson.
- 5881. Practicum in Student Personnel Work in Higher Education. (3) S.** Supervised practice in student personnel work according to the student's background and preferences. Prerequisite: Permission of the department chairperson.
- 5890. Current Techniques and Problems in Counseling. (4)** A course in theory and techniques of counseling with emphasis upon the duties of the professional counselor.
- 5891. Career Counseling. (3) Su-odd-numbered years; S-even-numbered years.** A survey and practice course devoted to specific aspects of career choice and work with individuals in a counseling situation. Prerequisite: Permission of the department chairperson.
- 5910. Organization and Administration of Guidance and Personnel Services. (3) S-odd-numbered years; Su-even-numbered years.** Principles and practices in organization and administration of guidance programs, public relations, integration of guidance services and curriculum. Prerequisite: Educational Guidance 4900 or 4910.
- 5920. Occupational, Educational, Personal, and Social Information. (3) Su, F.** Sources, evaluation, and use of occupational, educational, personal, and social information. Job requirements and training facilities. Prerequisite: Educational Guidance 4900 or 4910.
- 5930. Counseling Practicum. (4)** Supervised practice in counseling individual students. Practice provided at the level of the graduate's primary interest. Prerequisites: Educational Guidance 5890 and permission of the department chairperson.
- 5940. Principles and Techniques of Group Guidance. (2) On demand.** A study of the principles and their application in the area of group guidance. Prerequisite: Educational Guidance 4900 or 4910.
- 5950. Thesis and Research. (3 to 6) Note:** A maximum of nine semester hours may be earned in a combination of 5950 and 5990. Prerequisite: Permission of the department chairperson.
- 5990. Independent Study. (1 to 6)** Intended to permit a student to pursue more intensively various aspects of the area of his/her special interest. Prerequisite: Permission of the department chairperson.

Note: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

- 6880. Seminar in Guidance. (3) Su, S.** Discussion of current problems and trends in guidance. Critical examination and evaluation of current literature in the field. Prerequisite: Permission of the department chairperson.
- 6900. Field Study in Guidance. (3) F.** Supervised experience in all services normally considered a part of the guidance program. Prerequisites: Educational Guidance 5930 and permission of the department chairperson.
- 6910. Field Study in Guidance. (3) S.** Supervised experience in all services normally considered a part of the guidance program. Prerequisites: Educational Guidance 5930 and permission of the department chairperson.
- 6941. Principles of Group Counseling. (3) S.** A study of the principles and their application in the area of group counseling including techniques of group discussion, sociometrics, and role-playing. Prerequisite: Educational Guidance 5890.

EDUCATIONAL PSYCHOLOGY

Overton, P., Chairperson, Barnhart, Beeler, Green, C.K., Kayser, Matzner, Moler, Rawlins, Saltmarsh, Ward.

Undergraduate Courses

- 3325. Educational Psychology. (3-0-3)** Individual growth and development, motivation, learning theory, appraisal of human differences, classroom management, student evaluation, practices, observation and 15 clock hours of participation in learning situations. Prerequisites: Psychology 2310 and junior standing.
- 4741. Independent Study. (Arr.-Arr.-1-3)** May be repeated for a total of six semester hours credit.

Courses Open To Juniors, Seniors and Graduate Students

- 4770. Facilitating Interpersonal Relationships. (3-0-3)** A course to develop skills in interpersonal relationships and personal understanding.
- 4780. Studies in Education. (3-0-3) On demand.** Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.
- 4790. Studies in Education. (2-0-2) On demand.** Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.
- 4800. Studies in Education. (1-0-1) On demand.** Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.
- 4990. Measurement and Evaluation. (3-0-3) On demand.** Nature and use of standardized and teacher-made tests. Selection, administration, and use. Prerequisite: Eight semester hours in education and psychology.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5400. Advanced Educational Psychology. (3) On demand.** Theories of learning; transfer and functional learning; creative thinking and problem solving; "teaching machines" and other self-instructional devices. Prerequisite: Eight semester hours in education and psychology.
- 5520. Understanding the Individual. (3)** Personality development and concepts of the self; need satisfaction and perception of threat; learning theories and adjustment strategies; personality. Prerequisite: Eight semester hours in education and psychology. Credit applicable to Group I of the requirements for the degree M.S. in Ed.
- 5700. Psycho-Social Development in Childhood. (3) S.** A discussion of psychological and cultural forces which shape the behavior patterns of the growing child. Prerequisite: Eight semester hours in education and psychology.

5710. **Psycho-Social Development of the Adolescent and Young Adult.** (3) F. A discussion of psychological and cultural forces which shape the behavior patterns of the maturing individual. Prerequisite: Eight semester hours in education and psychology.
5740. **Personality Dynamics.** (3) A study of the nature of personality and of various theories of personality. Prerequisite: Eight semester hours of education and psychology.
5960. **Consultation Skills and Organizational Development.** (3) S. A study of professional level consultation and theory, research, and skills designed to prepare counselors, administrators, psychologists, and management personnel for entry into consultation functions with faculties, administrative staff, work force, and management systems. Prerequisite: Permission of the department chairperson.
6440. **Statistics in Education and Psychology.** (3) Su, S. Fundamentals of statistics and their application. Prerequisite: Eight semester hours in education and psychology.
6780. **Theories of Aptitudes and Abilities.** (3) On demand. A study of the nature of human abilities. Examinations of individual differences and traits. Theories of vocational behavior. Prerequisite: Educational Guidance 5920 or permission of the department chairperson.

ELEMENTARY EDUCATION

Grado, L.M., Chairperson, Benson, Carey, J.E., Dickinson, Doughty, Downs, Foust, Helwig, Jackson, A.E., Leyden, MacLaren, Malehorn, Nunn, Ruyle, Schlinsog, Squires, Vincent, White, R.A.

Undergraduate Courses

1230. **Laboratory in Elementary Education.** (2-1-2) F, S. A laboratory course emphasizing directed observations and participation in classrooms with children of pre-school through junior high school ages. Includes eight clock hours of participation.
2320. **Human Growth, Development, and Learning.** (3-0-3) Physical, social, emotional, and intellectual growth and development of children and early adolescents; eight clock hours of participation. Prerequisite: Psychology 2310.
3240. **Directing Learning in the Elementary School.** (3-1-3) Organization of instructional programs; planning learning experiences, evaluation, guidance, and classroom management; use of instructional media equipment; 15 clock hours of participation. Prerequisite: Junior standing.
3260. **Child Development for the Nursery-Kindergarten Teacher.** (3-0-3) S, F. Factors influencing development of children 3½ to 8. Some child study techniques and their application. Prerequisite: Junior standing.
3270. **Teaching Social Studies and Language Arts in the Elementary School.** (3-1-3) Objectives, techniques, and materials of social studies and language arts, excluding reading and children's literature; instruction in handwriting; 20 clock hours of participation. Prerequisites: Elementary Education 3240 and simultaneous enrollment with Elementary Education 3280.
3280. **Developmental Reading in the Elementary School.** (3-1-3) Objectives, techniques, and materials of the reading program from kindergarten through junior high school; current trends in reading instruction; 20 clock hours of participation. Prerequisites: Elementary Education 3240 and simultaneous enrollment with Elementary Education 3270.
3290. **Science in the Elementary School.** (2-2-3) Content methods and materials of elementary school science, grades K-9. Emphasis on strategies and modern science education programs. Eight clock hours of participation. Prerequisites: Six semester hours in science to include a course in life science and a course in either physics or chemistry; Elementary Education 3240 or permission of the department chairperson.
4260. **Kindergarten Education.** (2-2-3) Programs, materials, and equipment for nursery school and kindergarten; 15 clock hours of participation. Prerequisite to teaching practicum in kindergarten. Prerequisite: Restricted to majors in elementary education.
4480. **Reading in the Primary Grades.** (3-1-3) A course in identifying and using teaching strategies and materials in the teaching of reading in the primary grades. Particular emphasis will be placed on reading readiness, beginning reading instruction, diagnosis, evaluation, and development of reading interests; 20 clock hours of participation. Prerequisite: Elementary Education 3280.
4490. **Reading in the Intermediate Grades.** (3-1-3) S. Areas to be covered in a diagnostic framework include comprehension skills, content areas, organizing for instruction, selecting materials, and evaluation of the classroom program; 20 clock hours of participation. Prerequisite: Elementary Education 3280 or Junior High School Education 4280.
4741. **Independent Study.** (Arr.-Arr.-1-3) May be repeated for a total of six semester hours credit. Prerequisite: Permission of the department chairperson.

Courses Open To Juniors, Seniors, and Graduate Students

4775. **Language and Language Arts in Early Childhood.** (3-0-3) Su, F. Normal language development in the young child. Techniques for specific language art skills in pre-school and primary teaching. Assessment of pupil growth and achievement in language.
4780. **Studies in Education.** (3-0-3) On demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.
4790. **Studies in Education.** (2-0-2) On demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.
4800. **Studies in Education.** (1-0-1) On demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5000. **Introduction to Research in Elementary Education.** (3) S, Su. Provides experiences in defining problems and in using research techniques in writing, interpreting, and evaluating research in elementary education. Prerequisite: Eight semester hours in education and psychology.
5260. **Advanced Developmental Reading.** (3) A study of the nature of reading instruction in the elementary school; approaches, goals, materials, techniques, and evaluation procedures. Prerequisite: Elementary Education 3280 or equivalent.
5490. **Educational Problems.** (1-3) On demand. Provides the student an opportunity for investigation and analysis of elementary or junior high school problems of a significant nature. Prerequisite: Permission of the department chairperson. May be repeated for a total of six semester hours credit.
5570. **Early Childhood Education.** (3) F. Consideration given to each segment of the learning continuum from ages 3½ to 8, including curriculum design, articulation, evaluation, and administration. Prerequisite: Eight semester hours in education and psychology.
5580. **Child Study for the Elementary School Teacher.** (3) S. Factors influencing behavior of the elementary school child. Techniques to secure and use data to improve classroom teaching. Prerequisites: Elementary Education 2320 or equivalent. Eight semester hours in education and child psychology.
5600. **Diagnosis of Reading Problems.** (3) Su, F. A study of the types and causes and reading difficulty; approaches to diagnosis for teachers, clinicians, and supervisors. Prerequisites: Eight semester hours in education and psychology, including Elementary Education 3280 or equivalent.
5610. **Remediation of Reading Problems.** (3) Su, S. Strategies and materials for remediation of reading problems for teachers, clinicians, and supervisors. Prerequisite: Elementary Education 5600 or equivalent; may be taken concurrently with Elementary Education 5620.
5620. **Remedial Reading Practicum.** (3) Su, S. Supervised practice in diagnosing, remedialing, and reporting on cases of reading disability. Prerequisites: Elementary Education 5260, 5600, 5610 or equivalents. May be taken concurrently with 5610. May be taken twice for credit.

- 5630. Supervision and Curriculum in Reading. (3) Su-odd-numbered years.** A study of the total school program for reading instruction; and analysis of the role of the reading supervisor or consultant. Prerequisite: Six semester hours in reading instruction.
- 5640. Teaching and Supervision of Social Studies in Elementary Schools. (3)** A study of the objectives, content, materials, and strategies used in organizing, supervising, and improving the social studies program.
- 5650. Language Arts in the Elementary School. (3) Su, F.** A critical analysis of language arts instruction with emphasis on the organization of the program, content, materials, and procedures. Prerequisite: Eight semester hours in education and psychology.
- 5660. Science Curriculum in the Elementary School. (3) Su, F.** Scope and sequence of the elementary science curriculum; new experimental curricula; selection of materials and equipment. Prerequisite: Six semester hours of science; Elementary Education 3290 or permission of the department chairperson.
- 5700. Seminar in Elementary Education. (1-3) On demand.** Intensive study of important contemporary issues, problems, developments and trends in elementary education. A maximum of six semester hours may be earned in Seminar or in Thesis or in Independent Study, but no more than nine semester hours may be earned in any combination of these.
- 5950. Thesis. (3 to 6) On demand. Note:** A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study. (1 to 6)** Intended to permit a student to pursue more intensively various aspects of the area of his/her special interest. Prerequisite: Permission of the department chairperson. *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

ENGLISH

Quivey, J.R., Chairperson, Bartling, S., Bobb, Brayfield, Carey, K.J., Christhilf, Clark, D., Clarke, Colby, Dolton, Dougherty, P., Downing, Elder, Funk, R.W., Gabbard, L.P., Guernsey, Guzowski, Haught, Hoberman, Kalikoff, Kelleher, Kilgore, Lazenby, Loudon, Lynch, Maddox, Mather, McCormick, F., McDaniel, McManus, Miller, W.D., Morris, Preston, Quinn, Radavich, Ransom, Raybin, Riegel, Rogers, R.E., Searle, Shapland, Shonk, Simpson, J., Simpson, J.M., Steinmetz, Stevens, Stokes, Sullivan, L., Swisher, S., Wharton, Whitlow, Willison, Wright, G.P., Zahlan.

Note: A student who enters the University with a deficiency in the basic skills in English — reading, writing, spelling, elements of grammar and good usage — may be required to take work in fundamental English in addition to the English 1001 and 1002 requirements.

Note: Students who intend to teach should realize that some systems require of candidates for English positions a course in the teaching of reading. See Junior High School Education 4280.

Note: Courses in English are grouped for curriculum selection as follows (and the Groups are further indicated by numbers at the end of the course description):

- Group 1 — Required Courses: 2601, 2901 or 3901, 3001, 4300, 4950
- Group 2 — Introduction to Literary Study: 2002, 2004, 2006, 2008, 2205
- Group 3 — Periods: English Literature before 1660: 3800, 3801, 3802, 3803, 3804
- Group 4 — Periods: English Literature after 1660: 3805, 3806, 3807, 3808
- Group 5 — Periods: American Literature: 3700, 3701, 3702, 3703
- Group 6 — Special Areas, Topics and Studies: 2003, 2005, 2602, 2603, 2705, 3205, 3400, 3405, 3504, 3600, 3601, 3604, 3607, 3608, 3903, 3990, 4275, 4750, 4760, 4762, 4763, 4764, 4775, 4901, 4905, 4906

Undergraduate Courses

- 1000. Fundamental English. (3-0-2) (Cred/No Credit: Does not count toward graduation. Does not count in cumulative grade point average.)** Basic review of grammar, punctuation, and spelling; writing of sentences and paragraphs. Required of students who do not meet the prerequisites for English 1001.
- 1001. Rhetoric and Composition. (3-0-3)** A basic course in theme writing, designed to develop facility in matters of sentence structure, paragraph development, and organization. Prerequisite: English 1000 or proficiency in basic skills as determined by the English Department.
- 1002. Literature and Composition. (3-0-3)** An introduction to poetry, fiction, drama. Frequent analytical papers required. Prerequisite: English 1001. Students may not enroll in English courses numbered above 1002 until they have completed English 1002, or, in the case of
- transfer students, until they have satisfied the all-university English requirement.
- 1091 (1001H). Rhetoric and Composition, Honors. (3-0-3) F.** The study and practice of effective expository writing with attention to rhetorical principles, effective sentences and diction, research techniques. Prerequisite: Admission to the Honors Program.
- 1092 (1002H). Literature and Composition, Honors. (3-0-3) S.** Thematic approaches to the study of poetry, drama, and fiction. Frequent analytical papers required. Prerequisite: English 1091 and admission to the Honors Program.
- 2002. Understanding Poetry. (3-0-3) F.** A course in the understanding and enjoyment of poetry, with emphasis on reading and appreciation of many poems, chiefly shorter forms, selected from the full spectrum of poetry, old and new. Prerequisite: English 1002. (Group 2)
- 2003. Creative Writing I: Fiction and Poetry. (3-0-3) F, S.** An introduction to the writing of poetry and fiction, with exercises in the technical aspects of both genres. Class time will deal with various principles of writing through workshop discussion. Prerequisites: English 1002. (Group 6)
- 2004. Understanding the Drama. (3-0-3) S.** A course in the understanding and enjoyment of dramatic literature, with emphasis on reading and evaluation of selected great plays. Prerequisite: English 1002. (Group 2)
- 2005. Creative Writing II: Drama (3-0-3) S.** This course gives students practice and instruction in writing short dramatic scenes for radio, theatre, TV, and film. It concentrates on elements common to all dramatic writing but also emphasizes the differing demands of the various media. Prerequisites: English 1002 and 2003. (Group 6)
- 2006. Understanding the Short Story. (3-0-3) F.** A course in the understanding and enjoyment of short fiction, with emphasis on reading and evaluating selected masterpieces of the nineteenth and twentieth centuries. English 2006 and 2008 in combination will not fulfill the Group 2 requirement for English majors. Prerequisite: English 1002. (Group 2)
- 2008. Understanding the Novel. (3-0-3) S.** A course in the understanding and enjoyment of the novel, with emphasis on reading and evaluating selected masterpieces of the 18th, 19th, and 20th centuries. English 2006 and 2008 in combination will not fulfill the Group 2 requirement for English majors. Prerequisite: English 1002. (Group 2)
- 2098 (2008H). Understanding the Novel, Honors. (3-0-3) On demand.** A course in the understanding and enjoyment of the novel, with emphasis on reading and evaluating selected works of the past three centuries. Prerequisites: English 1092 and admission to the Honors Program.
- 2205. Introduction to Literary Criticism. (3-0-3) F.** Terminology and procedures of literary criticism, with attention to critical approaches such as social, formalist, psychological, and archetypal. Prerequisite: English 1002. (Group 2)
- 2601. Backgrounds of Western Literature. (3-0-3) F, S.** A reading of major world masterpieces through the Renaissance, works that lie behind literature in English, by such writers as Homer, Sophocles, Plato, Virgil, Dante, Rabelais, Montaigne, Cervantes. Required of English majors, open to others. Prerequisite: English 1002. (Group 1)
- 2602. World Literature since the Renaissance. (3-0-3) S.** Emphasis on generally recognized masters, such as Racine, Goethe, Voltaire, Flaubert, Dostoevsky, Ibsen, Tolstoy, Gide, Mann, Kafka, Camus. Prerequisite: English 1002. (Group 6)
- 2692. World Literature since the Renaissance, Honors. (3-0-3). On demand.** Emphasis on generally recognized masters, such as Racine, Goethe, Voltaire, Flaubert, Dostoevsky, Ibsen, Tolstoy, Gide, Mann, Kafka, Camus. Prerequisites: English 1092 and admission to the Honors Program.
- 2603. Mythology. (3-0-3) F, S.** The myths, chiefly Greek and Roman, most often retold, interpreted or alluded to by the writers and literary critics of Western Europe and America. Prerequisite: English 1002. (Group 6)
- 2693. Mythology, Honors. (3-0-3) On demand.** A comparative study of the myths of various cultures, focusing on primary features of the diety (e.g., the Creator-God, Mother Earth, the Adversary or Trickster, the Sacrificed God), as well as the nature and task of the Hero. Prerequisites: English 1002 and admission to the Honors Program.
- 2705. Black Literature. (3-0-3) F.** The major writers of Black American literature, with emphasis on such authors as Toomer, Hughes, Brooks, Wright, Ellison, Baldwin, Hansberry, Jones. Prerequisite: English 1002. (Group 6)

- 2901. Structure of English. (3-0-3) F, S.** A study of the basic workings of the English language: the parts of speech, their functions in sentences, basic sentence structures and their representation by diagrams, regular pattern formations and stylistic variants, standard and nonstandard dialects, the spoken and the written language, all viewed according to traditional, structural, and transformational grammars. Prerequisite: English 1002. (Group 1)
- 3001. Advanced Composition. (3-0-3) F.** Advanced application of the principles of expository writing. Attention to development of an individual style. Required of English majors; open to others. Prerequisite: English 1002. (Group 1)
- 3205. History of Literary Criticism. (3-0-3) S.** A study of the principal ideas, themes, problems in the history of literary criticism from Plato to the present. Prerequisite: English 1002. (Group 6)
- 3400. Methods of Teaching English in the High School. (3-0-3) F, S.** Problems, materials, and methods for teaching English in the high school, includes 10 on-site hours and 20 laboratory hours of pre-student teaching clinical experience. Prerequisites: Educational Psychology 3325, English 1002, and Secondary Education 3330. (Group 6)
- 3405. Children's Literature. (3-0-3) F, S.** Emphasizes wide acquaintance with the great bodies of world literature, myth, legend, etc., and with the best poetry for children. Prerequisite: English 1002. (Group 6)
- 3504. Film and Literature. (2-2-3) F, S.** Practical and theoretical relations between film and literature. May be taken as many as three times with permission of the department chairperson and Dean, College of Arts and Sciences. Prerequisite: English 1002. (Group 6)
- 3600. The Bible as Literature. (3-0-3) F, S.** Types of literature in the Old and New Testaments. Prerequisite: English 1002. (Group 6)
- 3601. Studies in Major Figures. (3-0-3) On demand.** Studies in depth of major figures in British, American, and world literature with no more than three figures studied in any one semester. Topics to be announced. May be taken as many as three times with permission of the department chairperson and the Dean, College of Arts and Sciences. Prerequisite: English 1002. (Group 6)
- 3604. Special Topics in Literature. (3-0-3) On demand.** Special topics in British, American, and world literature not ordinarily treated in standard courses. Topics to be announced. May be taken as many as three times with permission of the department chairperson and the Dean, College of Arts and Sciences. Prerequisite: English 1002. (Group 6)
- 3607. Theory and Practice of Modern Drama I. (3-3-4) F.** Ibsen, Chekhov, Strindberg, Shaw, O'Neill, Miller, Williams. Taught jointly by the Departments of English and Theatre Arts. Prerequisite: English 1002. (Group 6)
- 3608. Theory and Practice of Modern Drama II. (3-3-4) S.** Wilder, Brecht, Beckett, Ionesco, Genet, Pinter, Albee, Stoppard. Taught jointly by the Departments of English and Theatre Arts. Prerequisite: English 1002. (Group 6)
- 3700. Colonial American Literature. (3-0-3) F.** From the beginning through Brown, Irving, and Bryant. Prerequisite: English 1002. (Group 5)
- 3701. American Romanticism. (3-0-3) S.** American literature from 1830 to 1863, with emphasis on such figures as Emerson, Thoreau, Whitman, Poe, Hawthorne, and Melville. Prerequisite: English 1002. (Group 5)
- 3702. American Realism. (3-0-3) F.** American literature from 1865-1900, with emphasis on such figures as Mark Twain, Dickinson, Howells, James, Crane, Norris, and Dreiser. Prerequisite: English 1002. (Group 5)
- 3703. Twentieth-Century American Literature. (3-0-3) S.** Representative works, with primary attention to such figures as Dreiser, Robinson, O'Neill, Frost, Eliot, Faulkner, Hemingway, Steinbeck, Stevens, Albee. Prerequisite: English 1002. (Group 5)
- 3800. Medieval English Literature. (3-0-3) F.** Representative non-Chaucerian English literature of the Middle Ages, in translation. Prerequisite: English 1002. (Group 3)
- 3801. Chaucer. (3-0-3) S.** *Canterbury Tales* and other representative works. Study of the dialect out of which modern English grew. Prerequisite: English 1002. (Group 3)
- 3802. Shakespeare. (3-0-3) S.** A study of representative comedies, histories, tragedies, romances. Prerequisite: English 1002. (Group 3)
- 3803. Renaissance and Seventeenth-Century Literature. (3-0-3) S.** A broad survey of representative non-Shakespearean literature of the English Renaissance to 1660, with primary attention to such writers as More, Sidney, Spenser, Kyd, Marlowe, Donne, Jonson, Webster, Herbert, Marvell, Bacon, Browne. Prerequisite: English 1002. (Group 3)
- 3804. Milton. (3-0-3) F.** Study of *Paradise Lost* and Milton's other major works of poetry and prose. Prerequisite: English 1002. (Group 3)
- 3805. Restoration and Eighteenth-Century English Literature. (3-0-3) F.** Selected works with primary attention to such figures as Wycherley, Rochester, Dryden, Swift, Pope, Fielding, Sterne, Johnson, Goldsmith, Cowper, Gray. Prerequisite: English 1002. (Group 4)
- 3806. Romantic Literature. (3-0-3) F.** Precursors of English Romanticism and Blake, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, Hazlitt, Lamb. Prerequisite: English 1002. (Group 4)
- 3807. Victorian Literature. (3-0-3) S.** Representative works, with primary attention to such writers as Carlyle, Tennyson, Browning, Arnold, Newman, Mill, Ruskin. Prerequisite: English 1002. (Group 4)
- 3808. Twentieth Century British Literature. (3-0-3) S.** Representative works with primary attention to such figures as Conrad, Eliot, Joyce, Lawrence, Shaw, Yeats, Thomas. Prerequisite: English 1002. (Group 4)
- 3901. Language and Linguistics. (3-0-3) S.** A study of kinds of language and linguistic approaches: phonological, syntactic, and semantic analysis; historical, geographic, and social variation, human and non-human language systems. Prerequisite: English 1002. (Group 1)
- 3903. Women, Literature, and Language. (3-0-3) On demand.** Special studies, not ordinarily treated in standard courses, in the role of women in literature and in the use of language. Topics to be announced. May be taken as many as three times with permission of the department chairperson and Dean, College of Arts and Sciences. Prerequisite: English 1002. (Group 6)
- 3990. Summer Studies in Ireland and Britain. (Arr.-Arr.-6)** Independent research in English. Six weeks of residence in the Republic of Ireland or Britain is required. Open to juniors and seniors. (See Arts and Sciences 3990.) Prerequisite: English 1002. (Group 6) Note: No more than three semester hours may be counted toward a minor.
- 4275. Internship in English. (Arr.-Arr.-4) F, S. (Credit/No-Credit).** Practical experience in the local community to allow the student to apply and develop, outside the traditional classroom, the skills learned in English courses. Prerequisites: English 1002 and permission of the Director of the Internship. (Group 6)
- 4300. Senior Seminar. (3-0-3) F, S.** Major topics in British, American, and world literature and language, with topics varying each semester. Topics to be announced. Required of and limited to English majors. Prerequisite: English 1002. (Group 1)

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Studies in Black Literature. (3-0-3) S.** Study in depth of various genres, movements, periods, and major writers in black literature. Only one genre, movement, or period or only two or three major writers will be studied during any semester. Topics to be announced. May be taken as many as three times with permission of the department chairperson and Dean, College of Arts and Sciences. Prerequisite: English 1002. (Group 6)
- 4760. Writing for the Professions. (3-0-3) F.** Intensive application of principles of technical writing for professional publication and communication. Designed especially to serve the needs of pre-professional and graduate students. Prerequisite: English 1002. (Group 6)
- 4762. Poetry Writing. (3-0-3) S.** Extensive practice in the writing and revising of poetry, with an emphasis on the development of the student's individual style. May be taken twice with permission of the department chairperson and Dean, College of Arts and Sciences. Prerequisites: English 1002, 2003. (Group 6)
- 4763. Fiction Writing. (3-0-3)** Extensive practice in the writing and revising of prose fiction, with a dual emphasis on the acquisition of editorial skills and on the development of the student's personal style. Each student will have the option of writing several short stories or one novella. May be taken twice with permission of the department chairperson and Dean, College of Arts and Sciences. Prerequisites: English 1002, 2003. (Group 6)

- 4764. Play Writing. (3-0-3) F.** Advanced practice and instruction in dramatic writing. Though the course will review the basic elements common to all dramatic writing, it will allow the students to concentrate on the media of their choice: radio, theatre, TV, or film. May be taken twice with permission of the department chairperson and Dean, College of Arts and Sciences. Prerequisites: English 1002, 2003, 2005. (Group 6)
- 4775. Studies in Literary Criticism. (3-0-3) F.** Basic principles of evaluating the standard literary genres, or tenets of a specific school of criticism, or the examination of major aesthetic questions. Topics to be announced. May be taken twice with permission of the department chairperson and Dean, College of Arts and Sciences. Prerequisite: English 1002. (Group 6)
- 4901. History of the English Language. (3-0-3) F.** Historical geographic, and social dialects of English; phonological changes and other alterations in the structure and vocabulary of the English language. Prerequisite: English 1002 (Group 6)
- 4905. Studies in Children's Literature. (3-0-3). On demand.** Studies in depth of some aspect of children's literature. Topics to be announced. May be taken twice with permission of the department chairperson and the Dean, College of Arts and Sciences. Prerequisite: English 1002. (Group 6)
- 4906. Problems in the Teaching of English. (3-0-3) On demand.** Advanced methods course on various topics, such as the teaching of composition, the teaching of literature, the teaching of language. Topics to be announced. May be taken twice with permission of the department chairperson and Dean, College of Arts and Sciences. Prerequisite: English 3400 or permission of the instructor. (Group 6)
- 4950. Literary History and Bibliography. (3-0-3) F, S.** A historical study of British and American literary periods, schools, figures, and genres; and a basic introduction to research and bibliography. Required of and limited to English majors. Prerequisite: English 1002. (Group 1)

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5000. Studies in Old and Middle English Literature. (4) F.** A study of major figures or genres in English literature from the Anglo-Saxon period through the fifteenth century, with some attention given to language changes. The topic will vary from semester to semester.
- 5002. Studies in Renaissance Literature. (4) F.** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester.
- 5003. Studies in Seventeenth Century British Literature. (4) S.** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester.
- 5004. Studies in Restoration and Eighteenth-Century British Literature. (4) S.** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester.
- 5005. Studies in Nineteenth-Century British Literature. (4) S.** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester.
- 5006. Studies in Twentieth-Century British Literature. (4) F.** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester.
- 5008. Studies in Colonial American Literature. (4) S.** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester.
- 5009. Studies in Nineteenth-Century American Literature. (4) F.** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester.
- 5010. Studies in Twentieth-Century American Literature. (4) S.** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester.

- 5061. Special Topics in Language and Literature. (4) On demand.** Special topics in language and literature not ordinarily treated in standard courses. The topic will vary from semester to semester.
- 5950. Thesis. (3 to 6)** Enrollment for more than three semester hours requires permission of the department chairperson and the director of graduate studies in English. *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and/or 5990 and/or 5997.
- 5990. Independent Study. (1 to 6)** Advanced study of a topic selected by the student, subject to the approval of the advisor. Requires permission of the department chairperson and the director of graduate studies in English. *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and/or 5950 and/or 5997.
- 5997. Study Abroad. (3 to 6)** Special permission of the department. *Note:* A maximum of nine semester hours may be earned in a combination of 5997 and/or 5950 and/or 5990.

ENVIRONMENTAL BIOLOGY

Undergraduate Courses

- 2010. (Life Science 2010). Environmental Biology. (3-0-3)** A study of the components of the physical and biological environment, the Ecology of Mankind, man's effect on the environment, the effect of the environment upon man, current problems and their possible solutions.
- 3000. (Life Science 3000). Seminar in Environmental Biology. (0-2-1)** A discussion of contemporary problems in environmental biology and their solutions. Such topics as air pollution, waste reclamation will be discussed. Prerequisites: Nine semester hours in life science, botany and/or zoology.
- 4275. (Life Science 4275). Internship in Environmental Biology. (Arr.-Arr.-12)** Twelve semester hours required for major in environmental biology. This course to be taken for Credit/No Credit. Employment experience in one or more phases of environmental work for one semester in an agency or firm approved by the Coordinator of Interns. A formal written report of the internship experience is required. Prerequisites: At least 90 semester hours of work in environmental biology, botany or zoology programs; completion of at least one advanced ecology course; minimum cumulative GPA or major GPA of 2.25; approval of the Coordinator of Interns.
- 4400. Independent Study. (Arr.-Arr.-1 to 3)** An outline of the proposed work must be approved prior to registration by instructor and Director of Environmental Biology or chair of the Environmental Biology Committee. Prerequisites: Minimum cumulative grade point average of 2.50; junior standing in Environmental Biology. May be taken for a maximum of three semester hours.

Courses Open to Juniors, Seniors, and Graduate Students

- 4750. (Life Science 4750). Biometrics. (2-2-3) F, S.** Methods of quantitative analysis of biological data at the population level. Prerequisites: Eighteen semester hours in life science, botany and/or zoology. May be substituted for a three-semester-hour elective in botany or zoology in completing the requirements for a botany or zoology major.
- 4903. (Life Science 4903). Study of Biotic Communities. (2-Arr.-3) S-odd-numbered years or on demand.** The study of selected biotic communities in Illinois and surrounding states. Prerequisites: Major in botany, zoology, or environmental biology; six semester hours in botany and six semester hours in zoology, including Botany 4811 or Zoology 4800; or permission of the instructor.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5080. (Life Science 5080). Graduate Internship in Environmental Biology. (6) (To be taken for credit/no credit.) Employment experience in one or more phases of environmental work for one semester with an agency or firm approved by the Coordinator of Interns. A formal written report of the internship experience is required. Prerequisites: At least 20 semester hours of graduate credit in Environmental Biology program and approval of Coordinator of Interns. Note: A maximum of nine semester hours in a combination of 5080, 5950 and 5990 may be applied to the graduate program.
5100. (Life Science 5100). Introduction to Graduate Study and Research. (2) Su, F. The principles of biological research, including review of literature, defining and organizing problems, and effective presentation of data. Required for all beginning graduate students in environmental biology or zoology, to be taken the first fall term of graduate study. Credit not given for both Environmental Biology 5100 and Zoology 5100.
5150. (Life Science 5150). Advanced Graduate Seminar. (1) Seminar in current environmental literature. Required of all Environmental Biology graduate students. May be repeated, with maximum of three hours credit applied to graduate program.
5950. (Life Science 5950). Thesis. (3 to 6) Note: A maximum of nine semester hours may be earned in a combination of 5950, 5080 and 5990.
5990. (Life Science 5990). Independent Study. (1 to 6) Note: A maximum of nine semester hours may be earned in a combination of 5990, 5080 and 5950.

FINANCE

(See Accountancy for staff members.)

Undergraduate Courses

3710. Business Financial Management. (3-0-3) A framework for determining the efficient allocation of resources within the firm. Capital budgeting, cost of capital, and income determination are studied in the context of the business sector. Prerequisites: Accountancy 2150, Economics 2802, and junior standing.
3720. Investments. (3-0-3) F, S. Study of the mechanics of investment analysis. Selection of securities for portfolios with emphasis on personal investing. Prerequisites: Finance 3710 and Management 2810.
3730. Financial Markets. (3-0-3) F, S. Survey of the private and public sector of finance. Discussion of basic principles for financing business. Study of financial institutions. Prerequisites: Accountancy 2100, Economics 2802, and junior standing.
3740. Real Estate. (3-0-3) F, S. A study of theory and practice in real estate, with social and economic implications. Prerequisites: Accountancy 2150, Economics 2802, and junior standing.
3750. Commercial Bank Management. (3-0-3) F, S. The organization and management of commercial banks; functions, departments, personnel, policies. Prerequisites: Accountancy 2150, Economics 2802, and junior standing.
- 3790 (3710H). Business Financial Management. (3-0-3) A framework for determining the efficient allocation of resources within the firm. Capital budgeting, cost of capital, and income determination are studied in the context of the business sector. Prerequisites: Accountancy 2150, Economics 2802, and junior standing.
3900. Risk and Insurance. (3-0-3) F, S. Risks to which man and property are subject, including life, property, and liability insurance. Prerequisites: Accountancy 2150, Economics 2802, and junior standing.
4200. Security Analysis and Portfolio Management. (3-0-3) F, S. A case problem approach — including investment policies, practices and analysis of direct and indirect investments. Prerequisites: Finance 3720 and 3730.
4275. Internship in Finance. (Arr.-Arr.-3 or 6 or 9 or 12 or 15) (Credit/No Credit) Employment experience in a phase of finance for one semester, in a firm approved by the department chairperson. Prerequisites: Permission of the department chairperson and acceptance of the student by a business firm on the basis of the student's application.
4740. Independent Study. (Arr.-Arr.-3) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Prerequisites: Senior standing, cumulative grade point average of 3.0 or higher; consent of the supervising instructor and approval of a completed application by the department chairperson prior to registration.

Courses Open To Juniors, Seniors, and Graduate Students

4820. International Finance. (3-0-3) F. Financial problems of multinational corporations including the theory of capital movements, foreign exchange markets, concepts of the balance of payments mechanism, trade policy, and the functioning of the international monetary system. Prerequisites: Finance 3710, 3730 and Economics 3860.
4830. Current Problems in Finance. (3-0-3) F, S. A survey of current literature in finance and business with a seminar approach in discussing present problems, topics, and developments. Prerequisites: Finance 3720 and 3730.
4850. (Management 4850). Energy Finance and Incentives. (3-0-3) On demand. A survey of literature and other materials pertinent to public and private financing of national and regional energy capabilities as well as consideration of alternative governmental policies and incentives involved. Prerequisite: Junior standing.

FINE ARTS

Undergraduate Courses

2001. Introduction to Art, Music, and Theatre. (3-0-3) F, S. Team-taught by members of each department, this course explains the inter-relationships between the arts, their structures and techniques, and why they are put together the way they are.
2002. A History of the Arts in Culture. (3-0-3) F, S. A team-taught discussion of the arts of painting, sculpture, architecture, music, dance, drama, and literature, and the inter-relationship with cultural and social history.
2003. Creative Expression in the Fine Arts. (3-0-3) F, S. The relationship of the visual arts, music and drama, and their place in the lives of human beings. Presented as a team-taught course. Reading assignments, class participation and panel discussions will be reinforced by practical experiences. Not open to students majoring in any of the fine arts.
- 2092 (2002H). A History of the Arts in Culture for Honors Students. (3-0-3) Analysis of works of art in the Western world from the Greeks through the present. Prerequisite: Admission to the Honors Program.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5000. Aesthetic Studies. (3) The nature of art with emphasis on contemporary critical theories. Reading assignments; two hours per week in lecture/discussion and one hour per week in seminar. Prerequisite: Graduate standing in the School of Fine Arts.
5001. Arts in Society. (3) The nature of the arts in society and their relationships to public policy and to funding and management. Two hours per week in lecture/discussion and one hour per week for round-table seminar, student presentations of projects and research findings, and problem-centered discussions. Prerequisites: Graduate standing in the School of Fine Arts and completion of Fine Arts 5000 or permission of the instructor.
5950. Thesis. (3 to 6)

FOREIGN LANGUAGES

Kelly, L.L., Chairperson, Carr, Clay-Mendez, Crouse, R.L., Dulka, Harris, Kirby, Konrad, Miess, Mullally, Ortiz-Muniz, Sundheim.

Conversational Courses, 1001, 1002, and 2010

As part of its comprehensive course listings, the Department of Foreign Languages offers two conversational courses in French and German, and three in Spanish. These are numbered 1001, 1002, and 2010 and are two semester hours each. They are Credit-No Credit only and are not counted against the Credit-No Credit option limit of courses. They may be applied to the humanities requirement. Eligibility for enrollment is as follows:

French, German, Spanish

1001. These courses are primarily for beginners. However, a student with up to but no more than one year of high school study in the language chosen may enroll. A student with any college credit in a language may not take 1001 in that language.
1002. (Spanish only) This course is primarily for those students completing Spanish 1001. However, a student with one or two years of high school study in Spanish may also enroll. A student with any college credit other than 1001 in Spanish may NOT take Spanish 1002.
2010. The following may enroll: Students with one year of college credit (1101 and 1102 or equivalent) in the language chosen; students with at least one but no more than three years of high school study in the language chosen. Any others must have the express approval of the department chairperson.

Note: For enrollment in other departmental courses after earning credit in one or more of the C/NC courses above, see the note and second chart under PLACEMENT below.

Placement (except in 1001, 1002, and 2010 above)

A student who wishes to continue the study of a language begun in high school will ordinarily be placed in the course indicated in the chart below. However, a student with two or three years of high school study may start at a level higher than indicated with the permission of the department chairperson. A student with three or four years of high school study may enroll for credit in a course lower than indicated only with the express approval of the department chairperson.

High School Units	French — German — Latin — Spanish
0-2 years	1101
3 years	1102
4 years	2201 or 2202 or course above 3000

Note: A student with credit in one or more of the department's C/NC conversational courses above may enroll in other departmental courses as indicated in the chart below. A student with such credit and high school experience in a given language may request permission from the department chairperson to enroll one step higher than indicated.

C/NC Credit Earned	Lowest regular course in which student may enroll
1001	1101
1002	1102
2010	2201

FOREIGN LANGUAGES

Undergraduate Courses

3200. **Language Laboratory and Resource Materials in Foreign Language Instruction.** (2-0-2) S. Experiences in the operation of equipment utilized in the foreign language laboratory and classroom and training in the production of teaching aids for use with such equipment. Open only to French and Spanish majors and minors. Prerequisite: French or Spanish 2202 or equivalent.
3400. **Methods of Teaching Foreign Language.** (3-0-3) F. Thirty clock hours in pre-student teaching are required. Prerequisites: Educational Psychology 3325 and Secondary Education 3330.
3510. **Cadet Teaching.** (Arr.-Arr.-2) Observation and supervised micro-teaching in one of the department's elementary C/NC courses. French and Spanish teaching majors and minors only. May be taken twice, once in French and once in Spanish. Prerequisite: Foreign Languages 3400 or taken concurrently with Foreign Languages 3400.

FOREIGN LANGUAGE — FRENCH

Undergraduate Courses

1001. **Conversational French for Beginners I.** (2-0-2) (Credit/No Credit only). Introduction to understanding and speaking everyday French. Not open to majors or minors in French. (See Conversational Courses 1001, 1002, and 2010, at beginning of Foreign Languages.)
- 1101, 1102. **Elementary French.** (4-0-4 each course) F, S. Emphasis on grammar, phonetics, reading, conversation; extensive use of language laboratory. Prerequisite: For French 1102, French 1101.

2010. **Intermediate Conversational French.** (2-0-2) S. (Credit/No Credit only). Understanding and speaking French at the intermediate level. Prerequisite: French 1102 or permission of the department chairperson. (See Conversational Courses 1001, 1002, and 2010, at beginning of Foreign Languages.)

- 2201, 2202. **Intermediate French.** (4-0-4 each course) 2201-F; 2202-S. Review of grammar; exercise in composition and conversation; readings; extensive use of language laboratory. Prerequisites: For French 2201, French 1102 or two years of high school French; for French 2202, French 2201 or permission of the department chairperson.

3300. **French Phonetics.** (3-0-3) F. Systematic drills used to increase the student's knowledge of the phonological structure of French and to eliminate errors caused by the interference of the student's native English. Prerequisite: French 2202 or permission of the department chairperson.

3301. **French Conversation.** (3-0-3) S. (Omitted 1986-87). Consolidation of grammatical and phonological principles through their application in oral expositions. Prerequisite: French 2202 or permission of the department chairperson.

3303. **French Advanced Grammar.** (3-0-3) S. Prerequisite: French 2202.

3304. **French Civilization.** (3-0-3) F. (Omitted 1986-87). A contrastive study of certain aspects of contemporary French and American culture. Prerequisite: French 2202 or permission of the department chairperson.

3305. **French Literature I.** (3-0-3) S. (Omitted 1986-87). Survey of French literature from the Middle Ages to the Eighteenth Century. Prerequisite: French 2202 or permission of the department chairperson.

3306. **French Literature II.** (3-0-3) S. (Omitted 1985-86). Survey of French literature from the Eighteenth Century to the present. Prerequisite: French 2202 or permission of the department chairperson.

3750. **Studies in Europe.** (Arr.-Arr.-1-6) Su. (See Arts and Sciences 3750.) Prerequisite: French 2202 or permission of the department chairperson. **Note:** No more than 3 sem. hrs. may be used toward a minor.

3810. **French Advanced Phonetics and Diction.** (3-0-3) S. (Omitted 1985-86). Prerequisite: French 3300 or permission of the department chairperson.

3820. **French Stylistics.** (3-0-3) F. (Omitted 1985-86). A study of basic principles essential for effective formal writing in French.

4401. **French Novel I.** (3-0-3) S. (Omitted 1985-86 and 1986-87). Selected novels from Mme. de La Fayette to Balzac. Prerequisite: Three years of college French or permission of the department chairperson.

4402. **French Novel II.** (3-0-3) F. (Omitted 1985-86). Selected novels from Stendhal to the present. Prerequisite: Three years of college French or permission of the department chairperson.

Courses Open To Juniors, Seniors, and Graduate Students

4760. **French Drama.** (3-0-3) F. (Omitted 1986-87). French drama from the Fifteenth Century to the present.

4770. **French Poetry.** (3-0-3) F. (Omitted 1985-86 and 1986-87). Selected authors from Villon to the present.

FOREIGN LANGUAGE — GERMAN

Undergraduate Courses

1001. **Conversational German for Beginners I.** (2-0-2) (Credit/No Credit). Introduction to understanding and speaking everyday German. Not open to German majors or minors. (See Conversational Courses 1001, 1002, and 2010, at beginning of Foreign Languages.)

- 1101, 1102. **Elementary German.** (4-0-4 each course) F, S. Emphasis on conversation, grammar, reading; extensive use of language laboratory. Prerequisite: For German 1102, German 1101.

2010. **Intermediate Conversational German.** (2-0-2) S. (Credit/No Credit). Understanding and speaking German at the intermediate level. Prerequisite: German 1102 or permission of the department chairperson. (See Conversational Courses 1001 and 2010, at beginning of Foreign Languages.)

- 2030. Contemporary Culture in German Speaking Countries.** (3-0-3) S. Readings and discussion in English. Study of contemporary life in the two Germanies, Austria, and Switzerland. Focus on the habits, thoughts, and traditions basic to everyday life, as well as social, educational, economic, and political structures. Course is not applicable to major or minor in German. Prerequisite: None.
- 2201, 2202. Intermediate German.** (4-0-4 each course) 2201-F; 2202-S. Review of grammar; exercises in conversation and composition; reading of selected material; extensive use of language laboratory. Prerequisite: For German 2201, German 1102, or two years of high school German; for German 2202, German 2201 or permission of the department chairperson.
- 2220 (2020). German for Business.** (3-0-3) F. Practice in oral and written communication for the business world; conventions of letter writing, banking, import/export and other commercial transactions. Not applicable toward Humanities distribution requirement. Prerequisite: German 1102, or three years of high school German, or equivalent.
- 3300. German Culture and Civilization.** (3-0-3) F. (Omitted 1985-86). Prerequisite: German 2202 or permission of the department chairperson.
- 3301. German Composition and Conversation.** (3-0-3) F. (Omitted 1986-87). Training in writing, diction, and pronunciation. Prerequisite: German 2202 or permission of the department chairperson.
- 3302. Masterpieces of German Literature.** (3-0-3) S. (Omitted 1986-87). Prerequisite: German 2202 or permission of the department chairperson. May be taken twice with permission of the department chairperson.
- 3303. German Linguistics.** (3-0-3) S. (Omitted 1985-86). Systematic drills used to build the student's knowledge of the structure of German and to eliminate errors caused by the patterns of the student's native English. Prerequisite: German 2202 or permission of the department chairperson.
- 3304. German Lyrics and Ballads.** (3-0-3) F. (Omitted 1985-86 and 1986-87). Prerequisite: German 2202 or permission of the department chairperson.
- 3305. East German Literature.** (3-0-3) S. (Omitted 1986-87). Survey of principal writers in the German Democratic Republic. Prerequisite: German 2202 or permission of the department chairperson.
- 3750. Studies in Europe.** (Arr.-Arr.-1-6) Su. (See Arts and Sciences 3750.) Prerequisite: German 2202 or permission of the department chairperson. Note: No more than 3 sem. hrs. may be counted toward the minor.
- 4402. Topics of German Literature.** (3-0-3) S. (Omitted 1985-86). Prerequisite: Three years of college German or permission of the chairperson of the department. May be taken twice with permission of the department chairperson.
- 4444. Honors Independent Study.** (Arr.-Arr.-3) Intensive study and writing on topics in German language, literature and culture approved by faculty supervisor and Departmental Honors Coordinator. May be taken twice. Prerequisite: Permission of Director of the Honors Program and Departmental Honors Coordinator.
- 4644. Honors Thesis.** (Arr.-Arr.-3) Intensive research and preparation of a thesis on a topic in German language, literature or culture approved by faculty supervisor and Departmental Honors Coordinator.
- 4666. Honors Seminar.** (3-0-3) Reading, writing and discussion on selected topics in German language, literature and culture. A term paper and a seminar presentation are required. May be taken twice. Prerequisite: Permission of the Director of Honors Program and Departmental Honors Coordinator.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Introduction to German Stylistics.** (3-0-3) F. (Omitted 1985-86). Elements of prose composition: form, content, style and meaning. Prerequisite: Three years of college German or permission of the department chairperson.
- 4760. Goethe.** (3-0-3) S. (Omitted 1985-86 and 1986-87).
- 4770. Survey of German Literature I.** (3-0-3) F. (Omitted 1986-87). Survey of German literature to the Seventeenth Century. Prerequisite: Three years of college German or permission of the department chairperson.
- 4780. Survey of German Literature II.** (3-0-3) S. (Omitted 1986-87). Survey of German literature from the Seventeenth into the Twentieth Century. Prerequisite: Three years of college German or permission of the department chairperson.

FOREIGN LANGUAGE — LATIN

Undergraduate Courses

- 1101, 1102. Elementary Latin.** (4-0-4 each course) 1101-F, 1102-S. The aim in this course is to teach the student the fundamentals of the language. Special attention is given to the influence of Latin on English. Prerequisite: For Latin 1102, Latin 1101.
- 2201. Introductory Latin Reading.** (4-0-4) F. Intensive review of Latin grammar, readings from Aulus Gellius, Phaedrus, Caesar. Prerequisite: Latin 1102 or two years of high school Latin.
- 2202. Intermediate Latin.** (4-0-4) S. Vergil's *Aeneid*. Selections from Books I to VI. Applicable Greek and Roman mythology and philosophy; scansion, sight translation; life of Vergil. Prerequisite: Latin 2201 or permission of the department chairperson.
- 3301. Survey of Roman Literature I.** (3-0-3) F. On Demand. Chronological selections illustrative of Latin literature in the period of the Republic. Prerequisite: Latin 2202 or permission of the department chairperson.
- 3302. Survey of Roman Literature II.** (3-0-3) S. On demand. Chronological selections illustrative of Latin literature in the period of the Empire. Prerequisite: Latin 2202 or permission of the department chairperson.
- 3303. Cicero.** (3-0-3) F. On demand. Readings from the four orations against Catiline; life of Cicero; the backgrounds of Catiline's conspiracy; selected letters. Prerequisite: Latin 2202 or permission of the department chairperson.
- 3304. Latin Literature.** (3-0-3) S. On demand. Directed readings at option of the student in philosophical essays (Cicero: *De Amicitia* and *De Senectute*); the works of Julius Caesar; Roman comedy or any similar genre in classical Latin literature. Prerequisite: Latin 2202 or permission of the department chairperson. This course may be taken twice with permission of the department chairperson and approval of the Dean, College of Arts and Sciences.
- 3305. Roman Poetry.** (3-0-3) F. On demand. Selections from Catullus, Horace, Martial; Latin prosody. Prerequisite: Latin 2202 or permission of the department chairperson.

FOREIGN LANGUAGE — SPANISH

Undergraduate Courses

- 1001. Conversational Spanish for Beginners I.** (2-0-2) (Credit/No Credit). Introduction to understanding and speaking everyday Spanish. Not open to Spanish majors or minors. See Conversational Courses 1001, 1002 and 2010, at beginning of Foreign Languages.)
- 1002. Conversational Spanish for Beginners II.** (2-0-2) (Credit/No Credit). A sequel to Spanish 1001. Not open to Spanish majors or minors. Prerequisite: Spanish 1001. (Students with one or two years of high school Spanish may also enroll. See Conversational Courses at the beginning of Foreign Languages.)
- 1101, 1102. Elementary Spanish.** (4-0-4 each course). Emphasis on conversation, grammar, reading; extensive use of language laboratory. Prerequisite: For Spanish 1102, Spanish 1101.
- 2010. Intermediate Conversational Spanish.** (2-0-2) S. (Credit/No Credit). Understanding and speaking Spanish at the intermediate level. Prerequisite: Spanish 1102 or permission of the department chairperson. (See Conversational Courses 1001, 1002, and 2010, at beginning of Foreign Languages.)
- 2201, 2202. Intermediate Spanish.** (4-0-4 each course) F, S. Review of grammar; practice in conversation and composition; reading of selected material. Extensive use of the language laboratory. Prerequisite: For Spanish 2201, Spanish 1102 or two years of high school Spanish; for Spanish 2202, Spanish 2201 or permission of the department chairperson.
- 3000. Problems in Spanish Grammar.** (3-0-3) F. Review of those points in Spanish grammar which are stumbling blocks for English-speaking students. Prerequisite: Spanish 2202, its equivalent or permission of the department chairperson.
- 3100. Spanish Pronunciation and Conversation.** (4-0-4) S. Intensive drilling of Spanish pronunciation and further development of audio-lingual skills through conversation. Prerequisite: Spanish 2202, or its equivalent, or permission of the department chairperson.

3201. **Business Spanish.** (3-0-3) S-odd-numbered years. Oral and written communication in the Hispanic business world. Will not count toward humanities. Prerequisite: Spanish 3000, its equivalent or permission of the department chairperson.
3500. **Hispanic Short Story.** (3-0-3) S-even-numbered years.
3510. **Introduction to Modern Spanish Literature.** (3-0-3) F. (Omitted 1986-87). Introduction to Spanish literature from the Eighteenth to Twentieth Century. Prerequisite: Spanish 3000 or permission of the department chairperson.
3520. **Introduction to Modern Spanish American Literature.** (3-0-3) F. (Omitted 1985-86 and 1986-87). Introduction to Spanish American literature from 1886 to present. Prerequisite: Spanish 3000 or permission of the department chairperson.
3750. **Studies in Europe.** (Arr.-Arr.-1-6) Su. (See Arts and Sciences 3750.) Prerequisite: Spanish 2202 or permission of the department chairperson. *Note:* No more than 3 sem. hrs. may be counted toward the minor.
4202. **Advanced Spanish Composition.** (3-0-3) S. (Omitted 1986-87). Compositions based on style illustrated in certain literary selections. Prerequisite: Spanish 3000 or permission of the department chairperson.
4310. **Civilization and Culture of Spain.** (3-0-3) F. (Omitted 1986-87). Prerequisite: Three years of college Spanish or permission of the department chairperson.
4320. **Civilization and Culture of Spanish America.** (3-0-3) S. (Omitted 1985-86). Prerequisite: Three years of college Spanish or permission of the department chairperson.
4510. **Survey of Early Spanish Literature.** (3-0-3) F. (Omitted 1985-86). Survey of Spanish literature from the Twelfth to Seventeenth Century. Prerequisite: Spanish 3300 or permission of the department chairperson.
4520. **Survey of Early Spanish American Literature.** (3-0-3) S. (Omitted 1985-86 and 1986-87). Survey of Spanish American literature from the Colonial period of 1886. Prerequisite: Spanish 3000 or permission of the department chairperson.
4640. **Don Quixote de la Mancha.** (4-0-4) F. (Omitted 1985-86). Study of the two parts of Don Quixote de la Mancha in the original. Prerequisite: Three years of college Spanish, its equivalent, or permission of the department chairperson.
4650. **Topics in Hispanic Literature.** (3-0-3) F. (Omitted 1985-86 and 1986-87). Prerequisite: Three years of college Spanish or permission of the department chairperson.

GENERAL STUDIES

1000. **Reading and Study Improvement.** (2-2-2) Learning principles as they apply to the development of efficient study skills, emphasis on reading instruction designed to improve comprehension and rate. Does not count toward graduation.
5000. **Options for Improving Instruction.** (1-3) Su-odd-numbered years. A multi-level, cross-discipline, self-directed course for elementary and secondary teachers, college professors, and business and industrial trainers. Full range of methods demonstrated. Individual projects. Prior experience in instructional roles is recommended. May be repeated.

GEOGRAPHY

Wallace, G., Chairperson, McDonald, Melcon, Meyer, Stoner.

Undergraduate Courses

1300. **Cultural Environment.** (3-0-3) F, S. Concerned with distributions and relationships among a variety of geographical topics: population, agriculture, politics, languages, religion, folklife, popular culture, ethnicity, the city, and industry. Emphasis on processes and linkages among cultural systems.
1500. **World Places and Regions.** (3-0-3) F, S. Concerned with distributions and relationships within and among the technologically developing regions and developed regions of the world. Emphasis on processes shaping man's activities and organizations and on linkages among environmental and cultural systems.
- 3000 (3720). **Geography of Illinois.** (3-0-3) S-odd-numbered years. Analysis of regional variations in climate, landforms and natural resources. Emphasis on processes shaping man's activities and spatial organizations and on place and regional consciousness in Illinois.
- 3025 (2020). **Anglo-American Landscapes.** (3-0-3) F-even-numbered years. Analysis of regional variations in the physical and cultural environments of the United States and Canada. Emphasis on processes shaping man's activities and spatial organizations and on place and regional images that are visually expressed in the American landscape.
- 3050 (3540). **Geography of Latin America.** (3-0-3) F-odd-numbered years. Analysis of regional variations in the physical and cultural environments of Mexico, Central America, the Caribbean and South America. Emphasis on processes shaping man's activities and spatial organizations and on linkages between past and contemporary problems.
- 3200 (3870). **Human Impact on the Environment.** (3-0-3) S-odd-numbered years. Emphasis on human impact on the environment and the necessity of conservation. Discussion of natural hazards and perception of resources as factors limiting society's development. Focus on man as an agent of environmental change.
3300. **Soils.** (2-2-3) S-even-numbered years. Survey of basic topics in soil science. Chemical and physical processes in soils, soil biota and organic matter, soil classification and soil fertility. Applied laboratory experiences. Prerequisite: Chemistry 1410 or 1510. Cross listed as Earth Science 3300.
3600. **Economic Geography.** (3-0-3) F-odd-numbered years. Survey of theoretical and empirical approaches to the location of economic activities and of organizational structures. Analysis of spatial patterns of resource, industrial, commercial and service activities. Emphasis on local and regional development, growth and decline, transportation and planning.
3650. **Cultural Geography.** (3-0-3) F-odd-numbered years. Concerned with understanding the material culture that gives character to a place or area. Emphasis on a study of environmental perception, attitudes and values that influence our personal images of the world. Special focus on reading and interpreting the ordinary landscape of the man-made habitat.
3700. **Historical Geography of the United States.** (3-0-3) S-odd-numbered years. Reconstructing past geographical landscapes of the United States to 1900. Emphasis on changing landscape patterns and spatial organization patterns through time, perception of relic landscape features and contemporary preservation of distinctive historic places and areas.
3750. **Population Geography.** (3-0-3) S-even-numbered years. Survey of world distribution of population through time. Examines patterns and consequences of mortality, fertility and migration. Emphasis on theories and models of migration, past and contemporary migration patterns, and information flow and individual movement in geographic space.
3775. **Urban Geography.** (3-0-3) S-even-numbered years. Survey of development, distribution, functions, internal structures and morphology of cities. Emphasis on a geographic analysis and classification of urban centers, their tributary areas and their problems.
3800. **Map Compilation and Construction.** (1-4-3) F, S. Instruction and practice in the basic techniques of map making. Emphasis on problems involved in selection of proper source materials for the base and body of the map and methods of mechanical reproduction.
3825. **Quantitative Methods in Geography.** (1-4-3) F-even-numbered years. Application of basic descriptive and inferential statistics. Emphasis on the understanding of the quantitative method as it is applied in the analysis and classification of geographical data and spatial problems. Prerequisite: Mathematics 2250.
3850. **Thematic Map Design and Production.** (1-4-3) S. Instruction and practice in the techniques of thematic mapping including design, compilation, construction and photographic reproduction. Introduction to data transformation and computer-assisted reproduction. Prerequisite: Geography 3800.
3875. **Field Methods.** (1-4-3) S-odd-numbered years. Application of geographical field techniques to the analysis of areas. Emphasis on making physical and cultural observations and measurements including map reading, photo interpretation, field sketch mapping, compass traverses, sampling, questionnaire design, interviewing, analysis and reporting.

4000. Seminar. (3-0-3) On demand. Reports and discussion of selected topics in geography. Prerequisites: Two courses in geography or permission of the department chairperson. May be taken twice for credit.

4400 (4410). Independent Study. (Arr.-Arr.-1 to 3) F, S. Intensive individual study on a topic selected by student with approval of instructor and with permission of the department chairperson. May be taken for no more than six semester hours.

GEOLOGY

Wallace, G., Chairperson, Amos, Baharlou, Gutowski, Jorstad, McMillan, Pfeifer, Stratton, Wise.

Undergraduate Courses

1400. Physical Geology. (3-2-4) Common rocks and minerals; erosional processes that modify the Earth's surface, internal crustal activity. Field work. No credit if Earth Science 3000 is taken.

1490 (1400H.) Physical Geology for Honors Students. (3-2-4) S. An introduction to the basic geologic concepts and physical and chemical processes that are responsible for creating and shaping the earth's crust and interior. Topics include: minerals, rocks, volcanoes, streams, wind erosion, glaciers, groundwater, topographic and geologic map interpretation. Research paper and field work required.

2430. Historical Geology. (3-2-4) F, S. Development of major structural segments of Earth's crust; fossil record of life; age relations among rock units. Field work. Prerequisite: Geology 1400 or concurrent enrollment.

2440. Mineralogy. (1-4-3) F. A study of minerals with emphasis on crystallography, genesis, association, and classification. Prerequisites: Geology 1400 and one course in chemistry.

3405 (3450). Petrology. (2-2-3) S. Physical and chemical properties of rocks, their origin, classification and geologic distribution. Field work. Prerequisite: Geology 2440 or concurrent enrollment.

3420. Principles of Geomorphology. (2-2-3) S. Physical and mathematical analysis of processes that modify the Earth's surface; structural and climatic controls; hillslope sculpture; weathering; stream dynamics; soil classification. Prerequisite: Geology 1400 or Earth Science 1420.

3430. Structural Geology. (2-2-3) F, S. Forces involved in the deformation of rocks with emphasis on the recognition and interpretation of the resultant geologic structures. Field work. Prerequisites: Geology 2430 and Mathematics 1310 or equivalent.

3440. Field Geology. (1-4-3) F. Solution of geologic problems using field methods and techniques in collection, classifying and analyzing data; research paper. Prerequisites: Geology 2430 and 3405.

3460. Economic Mineral Deposits. (2-2-3) F. Origin, geologic occurrence and utilization of metallic and non-metallic mineral deposits including fuels and ground-water. Field work. Prerequisite: Geology 1400.

3470. Seminar. (Arr.-Arr. 1-3) F, S. Discussions, reports, and field work concerning selected geologic topics, with instructor guidance. May be taken more than twice for credit if a different topic is covered each time.

3480. Geology of Energy Resources. (2-2-3) F. Introduction to the geology of fossil fuels, including petroleum, natural gas, coal, oil shale, and tar sands. Also includes geology of nuclear fuels, geothermal areas, and an introduction to methods of exploration of energy resources.

3490. Coal Geology. (2-2-3) F. The origin, classification, and alterations of coals; stratigraphy, sedimentation, and structure of coal deposits; types of and cyclical deposition in coal basins and their tectonic setting. Field work. Prerequisites: Geology 1400, 2430.

3510 (4470). Principles of Sedimentation. (2-2-3) F. Sources of sediments, mechanics of transportation, depositional controls, post-depositional changes; physical and chemical properties of sedimentary rocks, classifications; analytical laboratory techniques. Field work. Prerequisites: Geology 2430 and 3405.

3525. Hydrogeology. (2-2-3) F. The study of the interrelationships of geologic materials and processes with water. Prerequisite: Geology 3420.

4000 (3410). Petroleum Geology. (2-2-3) S. The geological occurrence of petroleum including origin, migration, and accumulation; exploration methods and production techniques. Laboratory exercises in

searching for and producing petroleum and natural gas. Prerequisites: Geology 1400, 2430, 3430, or permission of the instructor.

4400. Independent Study. (Arr.-Arr. 1-3) Independent study in the field of geology, designed for the individual needs of the student. Prerequisite: Geology 2430 or permission of the instructor. May be taken twice.

4460. Principles of Stratigraphy. (2-2-3) S. Development and use of stratigraphic column, sedimentary facies, space-time relationships, principles or correlation, tectonic framework of sedimentation, analysis of clastic, organic, chemical sedimentary sequences. Field work. Prerequisite: Geology 3510.

4465. (3520). Summer Field Geology in the Black Hills, S.D. (Arr.-Arr.-6) Su. Individual and group problem solving by application of field methods and techniques, including plane table mapping and air photo interpretation. Six weeks of field study required. Contact Director of Summer Field Geology concerning fees and registration. Prerequisites: Geology 2430, 3405, and one year of Earth Science or introductory geology and historical geology or permission of the department chairperson. Strongly recommended: mineralogy, structural, geology, petrology and stratigraphy. In extraordinary cases of health and/or financial difficulty an alternative program will be suggested by the geology faculty.

4480. Optical Mineralogy. (1-4-3) S. The optical properties of minerals and their identification with polarizing microscope by the immersion method and by thin section. Prerequisites: Geology 2440; eight semester hours in chemistry; Physics 1160.

4490. Invertebrate Paleontology. (2-2-3) F. Description and classification of major fossil invertebrate groups; preservation of fossils; use of fossils in geologic work. Field work. Prerequisite: Geology 2430.

Courses Open To Juniors, Seniors, and Graduate Students

4891. Palynology. (2-2-3) (On demand). Systematic, ecologic, stratigraphic, geologic study of both modern and fossil pollen and spores. This interdisciplinary course involves both field and laboratory work. Prerequisite: Permission of the instructor, on the basis of advanced training in botany or geology. Credit not granted for both Geology 4891 and Botany 4891.

HEALTH EDUCATION

Reed, M.A., Chairperson, Bolin, Cavanaugh, Doyle, K., Hooser, Keller, Leisa, Morrow, Sexton, Valois, Wilson, Woods.

Undergraduate Courses

1120. Basic CPR. (1-0-1) Credit toward graduation not granted to students who have completed Health Education 2320 or 3100.

1200. Personal Health. (2-0-2) The application of scientific health facts and principles that relate to effective living.

2270. Community Health. (3-0-3) Factors in the physical, biological, and social environments that influence the magnitude and character of health problems, goals, and solutions. Prerequisite: Health Education 1200 or equivalent.

2320. First Aid and Emergency Care (including Basic CPR Skills.) (3-0-3) Designed to provide opportunities to learn and practice basic first aid skills necessary to handle most home and job emergencies including CPR.

2900. Diseases of Man. (2-0-2) S. A study of the processes of disease and the occurrence of diseases in man.

3001. Cardio Pulmonary Resuscitation (CPR) Instructor's Course. (1-1-1) F, S. A preparation of instructors for the teaching of Basic Cardiac Life Support (BCLS) as identified by the Illinois Heart Association. Prerequisite: Permission of the instructor.

3010. Public Health Nursing. (3-0-3) On demand. A review of public health nursing principles, particularly for school nurses. Prerequisite: Permission department chairperson. Recommend further work in health education which is a commonality course area for all public health personnel.

3100. Standard First Aid and Personal Safety Instructor. (3-Arr.-4) Advanced First Aid and Emergency Care, Basic Cardiopulmonary Resuscitation, and Standard First Aid Multimedia. If satisfactorily completed students will be certified by the American Red Cross and the American Heart Association as having completed these three courses and will also be certified as instructors in Standard First Aid and Personal Safety and Standard First Aid Multimedia.

- 3199. Utilization of Microcomputers in the School Health and Community Health Fields. (3-0-3)** Orient students to the various types of software and hardware being used in the health-related occupations. History, hardware selection, software selection specific to health, software evaluation, and health data management will be included in the course content. No minimum programming level requirements. This is not a programming course.
- 3200. School Health. (3-0-3)** A survey of the school health program with emphasis on the responsibilities of school personnel. Prerequisite: Health Education 1200 or equivalent.
- 3300. Principles of Accident Prevention. (2-0-2) F, S.** Safety problems of modern life in the home, school, during recreation, on the highway, and at work.
- 3310. Introduction to Driver Education. (3-2-4) F.** Preparation for high school driver education teachers. Includes simulation and work with beginning drivers. Prerequisites: Driver's license and safe driving record.
- 3320. Advanced Driver Education and Traffic Safety. (3-0-3) S.** Administration, organization, finance, special programs, evaluation of school driver education programs.
- 3330. Advanced Driving Maneuvers. (1-2-2) F.** Designed to teach emergency procedures and evasive actions and to help students better understand their capabilities and limitations as drivers, and the capabilities and limitations of the vehicles they drive. Prerequisite: Health Education 3310 or permission of the instructor.
- 3340. Accident Prevention in Schools. (2-0-2) S.** Scope of the school safety problem. Administrative, instructional and community responsibility for safe schools.
- 3350. Industrial Accident Prevention. (2-0-2) S.** Trends and organizational techniques in accident prevention programs as related to industrial operations.
- 3400. Teaching Health. (3-0-3)** Teacher preparation in curriculum development appraising materials, methods of presentation; includes 30 clock hours of clinical experience. Prerequisites: Educational Psychology 3325 and Secondary Education 3330.
- 3500. Human Sexuality. (3-0-3)** A study of the biological, psychological, and cultural dimensions of human sexuality.
- 3560. New Dimensions in Women's Health Care. (3-0-3) F, S.** Identification and investigation of personal health concerns of the American Woman. Emphasis on developing skills and knowledge to facilitate the complete physiological and psychosocial development of women. Prerequisites: Health Education 2270 and Zoology 2999.
- 3700. Prescription (Rx): Education in Health Care Setting. (3-0-3) F, S.** Overview of educational concepts and strategies applicable to a variety of health care settings; problems of individual, organizational, and community behavior; programs for organizational and community health education; contrasting models of health care, communication skills, media and materials; and planning, implementing, and evaluating educational programs. Prerequisite: Health Education 2270.
- 3750. Health Care Delivery Systems. (3-0-3) F, S.** Review of contemporary approaches to the delivery of health care services in the United States.
- 3765. Principles of Epidemiology. (3-0-3) F, S.** Introduction to the concepts, principles, and methods generally useful in the surveillance and investigation of a health problem. Prerequisite: Health Education 2270.
- 4043, 4045, 4048. School Nurse Internship. (Arr.-Arr.-4043-3; 4045-5; 4048-8).** An internship designed according to the Illinois Office of Education's criteria for certification as a school nurse. Prerequisite: Participants must be registered professional nurses licensed to practice in Illinois. The intern may take one or more courses at the same time.
- 4275. Community Health Field Service. (Arr.-Arr.-2 or 3 or 5 or 6 or 8) (Credit/No Credit).** An individually planned internship in a community health agency or organization. Prerequisites: Health Education 2270, 3750, and approval of the department chairperson.
- 4720. Instructor's Motorcycle Safety Course. (3-0-3) Su.** Overview of safety equipment and content areas for the Motorcycle Rider Course, usage of instructional media, development of safe motorcycle riding skills, and the instructing of beginning motorcycle riders.
- 4741. Independent Study. (Arr.-Arr.-1-6)** An individual study under faculty supervision of pertinent literature, research, programs or other sources related to selected topics in Health Education. Prerequisite:

Permission of the chairperson of the department. *Note:* May be repeated; the maximum amount of credit which may be earned is six semester hours.

Courses Open To Juniors, Seniors, and Graduate Students

- 4760. Public Health Statistics and Data Analysis. (3-0-3) F, S.** A review of mathematical principles and elementary statistics as related to an analysis of public health statistics. Prerequisite: Health Education 2270 or permission of instructor.
- 4800. Alcohol, Narcotics, Hallucinogenic Drugs: Science and Society. (3-0-3) F.** The use and abuse of drugs.
- 4890. Health and Aging. (3-0-3) F, S.** This course is designed to examine common health changes, issues and concerns as they pertain to the aging individual.
- 4900. Multi-Phase Driver Education. (2-2-3) F.** The first phase driver education curriculum. Actual practice with multi-media equipment-simulators, student response systems and the multi-car range. Prerequisite: Health Education 3310 or concurrent enrollment or permission of the instructor.
- 4913. Organization and Administration of Cooperative Occupational Education. (3-0-3) On demand.** Introduction to cooperative education programs, program needs, resources, constraints, public relations, and policy development are analyzed.
- 4923. Coordination Techniques for Cooperative Occupational Education. (3-0-3) On demand.** Methods and techniques for preparation of teacher coordinators. Student selection, training agreements, training plans, legal requirements, related class management, individualized instruction, and program evaluation are emphasized.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

- 5010. Current Health Problems. (3) S.** An epidemiological investigation of the cause, nature, extent, and programming of current health problems.
- 5060. Administration and Supervision of Occupational Education. (2) On demand.** To prepare personnel for administering and supervising occupational educational programs. Team teaching in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5070. Seminar in Occupational Education. (3) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics and Technology Education. A student may take the course for credit in only one of the departments.
- 5080. Seminar in Occupational Education. (1) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5090. Seminar in Occupational Education. (1-4) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5990. Independent Study. (1 to 6)** An individual study under faculty supervision of pertinent literature, research, programs or other sources related to selected topic in health education. Prerequisite: Permission of the department chairperson.

HISTORY

Hennings, R., Chairperson, Colbert, Curran, Elbert, Franklin, Hockman, Horak, Jones, G.H., Koch, Lasky, H., Maurer, McElligott, Miller, P., Nichols, Schlauch, Sculle, Sterling, R., Tingley.

Undergraduate Courses

- 1000. Makers of the Modern World. (1-0-1) F.** An introduction to the study of history through biographies of major world figures.
- 1005. Great Events in American History. (1-0-1) S.** An introduction to the great events that shaped American history.
- 1100. World Civilization to 1500. (3-0-3) F, S.** The contributions of major civilizations from the beginning of recorded time to the dawn of the modern age.
- 1200. World Civilization Since 1500. (3-0-3) F, S.** The political, social, and cultural forces which have shaped modern world civilizations since the beginning of European expansion. Course does not count toward the history major or teacher certification minor.
- 2010. History of the United States to 1877. (3-0-3)** The colonial period; the independence movement; framing and adoption of the Constitution; growth of American nationality; Manifest Destiny; the Civil War and Reconstruction.
- 2020. History of the United States Since 1877. (3-0-3) F, S.** The new industrial society; agrarian movement; the United States as a world power through two world wars, depression and after.
- 2090 (2010H). History of the United States to 1877 for Honors Students. (3-0-3) F.** The study of overseas antecedents of colonial period; the colonial period; the independence movement; framing and adoption of the Constitution; growth of American nationality; Manifest Destiny; the Civil War and Reconstruction; the election of 1876.
- 2091 (2020H). History of the United States Since 1877, for Honors Students. (3-0-3) S.** The study of industrialization, corporate development, the agrarian movement, progressivism, the rise of scientific thought and technology; and the emergence of the United States as a world power through two world wars to the present.
- 2100. Afro-American History. (3-0-3) S.** A history of Afro-Americans from their African background to the present.
- 3000. Europe from the Renaissance to Waterloo. (3-0-3) F, S.** A survey of major European developments between 1300 and 1815.
- 3005. Europe Since Napoleon. (3-0-3) F, S.** Survey of European history from the Congress of Vienna to the present.
- 3040. Studies in the Social History of the United States. (3-0-3) F-even-numbered years.** Survey of social changes which have affected American culture. Course topics may vary according to the instructor. May be taken only once for credit.
- 3065. The American South. (3-0-3) S.** A history of the American South since 1820 with emphasis on social and cultural developments and the deviation between North and South.
- 3070. Frontier America and the Indian. (3-0-3) F-odd-numbered years.** Study of the first contacts of Europeans, Indians, and Africans to 1890.
- 3180. History of Illinois. (3-0-3) F.** A history of the state from the French regime through the Civil War to the present.
- 3240. History of American Sport. (3-0-3) S.** Development and impact of organized athletic endeavors in American society.
- 3260. Latin American History. (3-0-3) S-even-numbered years.** Survey of Latin American development with an emphasis upon events since independence.
- 3430. History of England, 1066-1688. (3-0-3) F.** A survey of English History from the Norman conquest to the Glorious Revolution.
- 3440. History of England and the British Empire, 1688-Present. (3-0-3) S.** A survey of English History from the Glorious Revolution to the present.
- 3500. Research Techniques and Sources. (1-4-3) F, S.** Instruction in the collection, organization, and use of archival data.
- 3510. Ancient History. (3-0-3) F.** Peoples and eras for 4,000 years from Sumer to Rome — religions and law, governments and societies, arts and sciences.
- 3520. Medieval History. (3-0-3) S.** Empire and culture in the Latin West and in the Greek East — law, education, science, art and literature, society.

- 3530. Islam. (3-0-3) S-odd-numbered years.** The conquests, law and customs, art and sciences of the Moslem world, including Spain, Persia, the Turks, and the Sudan.
- 3540. History of the Modern Middle East. (3-0-3) F-even-numbered years.** A survey of the history of the middle east from the beginning of the Ottoman Turkish Empire to the present.
- 3600. History of China. (3-0-3) F-odd-numbered years.** Development of China from the Shang Dynasty down to the conflict with Western powers, Maoism, and the cultural revolution.
- 3650. History of Russia and USSR. (3-0-3) S.** Political, economic, social, and military history of Russia, the Bolshevik Revolution, and the USSR to the present time.
- 3750. Studies in Europe. (Arr.-Arr.-1-6) Su.** (See Arts and Sciences 3750.) Prerequisite: Permission of the department chairperson. *Note:* May not be counted toward a minor.
- 3903. Women and Feminism in the United States. (3-0-3) On demand.** The struggle of women for equal rights in the United States and the intellectual development of the feminist movement.
- 3990. Studies in Ireland and Britain. (Arr.-Arr.-6) Su.** Independent research in history. Six weeks of residence in the Republic of Ireland or Great Britain will be required. Open to juniors and seniors. *Note:* May not be counted toward a minor.
- 4002. Military History of the United States. (3-0-3) S.** A study of the American military experience. The origins, consequences, strategies, tactics and logistics of American wars will be considered as well as the role and influence of military professionalism, science, technology and society upon the conduct of those wars.
- 4060. Civil War and Reconstruction. (3-0-3) F, S.** A survey of the causes of the Civil War, the War, and its legacy.
- 4110. History of American Journalism. (3-0-3) F.** Survey of journalism in the United States from colonial times to the present.
- 4400. Independent Study in History. (Arr.-Arr. 1 to 4)** (No student may earn more than four semester hours credit.) Intensive individual study on a topic selected by student with approval of instructor and with permission of the department chairperson.

Courses Open To Juniors, Seniors, and Graduate Students

- 4775 (3300). Selected Topics in History. (2-0-2 or 3-0-3 depending upon topic taken). On demand.** Study of historical topics not typically presented in standard courses. Topics to be announced. May be taken twice with permission of the department chairperson. Prerequisite: Three semester hours in history.
- 4805 (3710). The French Revolution and Napoleon. (3-0-3) S-even-numbered years.** A study of the French Revolution and the concept of the revolution in general.
- 4810. Europe in the Nineteenth Century. (3-0-3) S-odd-numbered years.** A study of nationalism, and other important "isms" of the century.
- 4815 (3800). Modern Germany. (3-0-3) F.** A political, social, and cultural history of Germany since 1815 with emphasis on the 1848 Revolution, the German Empire, the World Wars, and divided Germany.
- 4820. The World in the Twentieth Century. (3-0-3) S-odd-numbered years.** The apex and decline of European hegemony in the age of the world wars, class war, cold war and totalitarianism.
- 4830. Eastern Europe from World War I to the Present. (3-0-3) F-odd-numbered years.** Eastern Europe from World War I to the present.
- 4835 (3740). History of World War II. (3-0-3) F.** A study of the background to the war, campaigns in Europe and the Pacific, and occupation policies.
- 4840. Europe Since 1945. (3-0-3) S-even-numbered years.** A political, social and cultural history of divided Europe since World War II.
- 4900. Colonial America from Discovery through Revolution. (3-0-3) S-even-numbered years.** The development of American colonial institutions and their culmination in the world's first modern revolution.
- 4905 (3080). Diplomatic History of the U.S. (3-0-3) F.** A survey of American diplomacy from the American Revolution to the present time.
- 4910. The Foundation of the American Constitutional and Political System. (3-0-3) S-odd-numbered years.** Study of United States governmental institutions from the Confederation to the days of Jackson.

4950. **The Emergence of Industrial America. (3-0-3) F-even numbered years.** An intensive study of the transformation of the United States from a largely agrarian society to an urban and industrial power between the years 1870 and 1920.
4960. **Contemporary America. (3-0-3) F.** Study of major issues affecting the present generation with an emphasis upon historical courses and parallels.
- 4970 (3030). **History of Ideas in America. (3-0-3) F-odd-numbered years.** The development of American concepts from first settlement to the present.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5000. **Internship in Historical Administration. (9) F, S.** A semester's experience as an intern in a historical library, historical society, museum, archive, restoration project, or historical agency of government. Prerequisites: Permission of the department chairperson and acceptance of the student by an appropriate historical agency. Credit not allowed for both 5000 and 5001, or for both 5000 and 5950.
5001. **Internship in Historical Administration. (6) Su.** A summer term's experience as an intern in a historical library, historical society, museum, archive, restoration project, or historical agency of government. Prerequisites: Permission of the department chairperson and acceptance of the student by an appropriate historical agency. Credit not allowed for both 5000 and 5001, or for both 5001 and 5950.
5005. **Introduction to Historical Museum Studies. (1) F.** A survey of museum types and functions, the development of history museums and their collections, and an overview of ethical issues facing the profession. Prerequisite: Permission of the instructor.
5010. **Seminar in Historical Administration. (3) S.** Intensive study and research into special topics relating to the management of historical sites, museums, and archives. Prerequisite: Permission of the instructor.
5020. **Seminar in Interpretation. (3) F.** The purpose, content, and communication process involved in interpreting history, by means of artifacts, building and cultural patterns. Prerequisite: Permission of the instructor.
5030. **Seminar in Archival Methods and Editorial Practices. (3) S.** Study of the purpose, content, and organization of archival collections and of editorial techniques involved with historical materials. Prerequisite: Permission of the instructor.
5040. **Seminar in Oral History. (2) F.** Applied study of the techniques of gathering and editing oral history. Prerequisite: Permission of the instructor.
5060. **Historic Preservation. (2) S.** An introduction to European and American efforts to preserve historically significant portions of the built environment. The U.S. movement will be traced from the preservation of Mt. Vernon in the 1850's to the present-day use of the National Register of Historic Places. Special emphasis will be given to Illinois. Prerequisite: Permission of the instructor.
5080. **Local History Research. (2) F.** An investigation of the resources available in a local community for history research which can be utilized by history teachers and museum employees. These areas may include public and private records and manuscripts, visual documents, newspapers, contemporary writings, and cemeteries. Prerequisite: Permission of the instructor.
5090. **Care and Management of Historical Artifacts. (2) S.** An introduction to museum registration systems; a survey of various artifact groups collected by history museums; and an investigation of the environmental needs which must be considered when handling, storing, and exhibiting these artifacts. Prerequisite: Permission of the instructor.
5110. **History Museum Exhibits. (2) F.** A study of the role, function and development of history museum exhibits as a part of the interpretation process. Students will participate in the installation of a temporary exhibit at the Greenwood School Museum which will include research, script and label writing, exhibit design and construction. Prerequisite: Permission of the instructor.

Note: Courses numbered 5160 through 5900 may be repeated for credit with the approval of the department chairperson.

5160. **Seminar in American History. (1-3) F.** Intensive study of special topics in American history, to be determined by the instructor.
5310. **Seminar in Social, Intellectual, or Cultural History. (3) S.** Lectures, reading, and research in topics to be selected by the instructor.
5400. **Seminar in European History. (1-3) F, S.** Intensive study in special topics in European history, to be determined by the instructor.
5950. **Thesis. (3 to 6) Note:** A maximum of nine semester hours may be earned in a combination of 5950 and/or 5990 and/or 5997.
5990. **Independent Study. (1 to 6) Special permission of the department.** Note: A maximum of nine semester hours may be earned in a combination of 5990 and/or 5950 and/or 5997.
5997. **Study Abroad. (3 to 6) Special permission of the department.** Note: A maximum of nine semester hours may be earned in a combination of 5997 and/or 5950 and/or 5990.

HOME ECONOMICS

Crouse, J.S., Chairperson, Armstrong, Bieler, Brown, M.S., Butts, Chapman J., Coyle, Dow, Gosselin, Harrison, Hedges, E.M., Hubbard, Jarman, McAllister, Ozier, Parks, Smith, K.A., Snyder, P., Southworth, Strader, G., Vogel.

Undergraduate Courses

1120. **Foods I. (1-2-2) F, S.** A study of basic food preparation methods and guidelines for providing nutritious meals.
1150. **Nutrition. (3-0-3) F, S.** Principles of normal human nutrition applied to various stages in life. For majors and others seeking physiological emphasis. (See Home Economics 3190 for others.)
2120. **Foods II. (1-4-3) F, S.** A study of the scientific principles and techniques underlying food preparation. Prerequisites: Home Economics 1120. Chemistry 3430 also required for dietetic majors.
2150. **Intermediate Nutrition. (3-0-3) S.** Concepts of normal human nutrition with emphasis on classification and metabolism of nutrients and evaluation of nutritional adequacy. Prerequisites: Home Economics 1150, Chemistry (1300, 1315) or (1310, 1315) or 1050; organic chemistry recommended.
2231. **Sociology of Clothing. (3-0-3) F.** Significance of sociological and psychological reasons for clothing selection; political and economic trends affecting clothing.
2232. **Historic Costume and Fashion Analysis. (3-0-3) S.** A historic and current study of fashion; the production and distribution of fashion goods.
2233. **Fashion Distribution Systems. (3-0-3) F.** Analysis of businesses that distribute and sell both hard and soft lines of fashion goods; emphasis on identification of target customer, organizational structure, promotional activities and human resource considerations for these types of businesses.
- 2234 (3234). **Principles of Clothing Construction. (0-6-3) F, S.** A study of basic principles of clothing construction processes.
2244. **Consumer Textile Products. (2-0-2) F, S.** A study of family clothing and common household textile products as they relate to the consumer.
2250. **Household Equipment. (3-0-3) F, S.** Selection, construction, operation and care of household equipment and their relation to the well-being of the family group.
2270. **Housing. (3-0-3) Effect of housing on individuals and families; emphasis on housing selection as determined by needs, resources, legal and financial aspects.**
2400. **Career Education in Home Economics. (1-0-1) F, S.** Orientation to the development of home economics as a profession and an exploration available of career opportunities.
2401. **Occupational Programs in Home Economics. (3-0-3) S.** Organization, administration and operation of occupational home economics programs related to gainful employment and preparation for the dual role of homemaker and wage earner.
2800. **Family Relationships. (3-0-3) F, S.** Study of the family as the basic unit of society; personal relationships, and family interaction throughout the family life cycle.

- 2831. Women in Contemporary Society. (3-0-3) F, S.** An interdisciplinary study of the emergence of women as a viable force in contemporary society. May be used toward social studies general education requirement.
- 2850. Child Development. (3-0-3) F, S.** The physical, intellectual, social, and emotional development of the pre-school child.
- 3120. Experimental Foods. (1-4-3) F, S.** Studies of physical and chemical reactions in food preparation when experimental procedures are applied. Prerequisite: Home Economics 2120.
- 3140. Family Food Management. (0-4-2) F, S.** Application of scientific principles of menu construction, food buying, food preparation and table service with special emphasis on management. Prerequisite: Home Economics 2120.
- 3151. Nutrition Education. (2-0-2) F.** Factors influencing human nutrition needs and eating patterns; related instructional techniques in hospital, school, business and community service agencies. Prerequisite: Home Economics 1150.
- 3190. Human Nutrition and Food Study. (2-0-2) F.** Fundamentals of nutrition applied to all ages; principles of menu planning, food buying and preparation. For non-majors and non-minors only.
- 3233. Fashion Buying. (3-0-3) S.** Analysis of the buying of fashion in the areas of clothing and home furnishings. Emphasis on decision making applications to merchandise assortment, pricing, inventory control, and profit.
- 3235. Advanced Clothing Construction. (0-4-2) F, S.** Advanced clothing construction techniques and garment fitting. Prerequisite: Home Economics 2234, pass proficiency examination, or permission of the instructor.
- 3237. Tailoring. (0-6-3) F.** Fabric selection and techniques used in the tailoring of a suit or coat. Prerequisites: Home Economics 2234, 3235, or permission of the instructor.
- 3245. (2245). Textiles. (3-0-3) S.** An introduction to the study of fibers, methods of fabricating textiles, and finishes on the market. Prerequisite: Home Economics 2244.
- 3280 (4280). Interior Design and Home Furnishings. (3-0-3) S.** Study of the selection, construction, and arrangement of home furnishing at different life styles.
- 3300. Consumer Education. (3-0-3) F, S.** A study of factors affecting the buymanship of food, clothing, housing, transportation, credit and insurance. Team taught with Business Education 3000.
- 3307. Home Management Theory. (3-0-3) F, S.** A study of planning, guiding, and directing the use of human and material resources toward individual and family goal achievement.
- 3400. Methods of Teaching Home Economics. (3-0-3) S.** The principles of teaching applied to home economics with particular emphasis on curriculum development. Prerequisites: Educational Psychology 3325 and Secondary Education 3330.
- 3750. Independent Study in Home Economics. (Arr.-Arr.-3)** Provides opportunity for in-depth study of home economics subjects for which there is not an established course. May be taken for credit only once. Prerequisite: Prior approval by the instructor and the Dean.
- 3800. Family Life and Sex Education. (3-0-3) F, S.** To prepare professionals such as family service personnel, educators, and parents to work with individuals and families at various stages in the family life cycle in the area of family life and sex education.
- 3820. The Family in Social Change. (2-0-2) F, S.** The study of social change in the family and recent trends in family life and family life education. Prerequisite: Home Economics 2800 or permission of the instructor.
- 3853. Practicum in Child Development. (1-4-3) F, S.** A laboratory experience focussed on the physical, emotional, social and cognitive development of the preschool child. Includes program organization for preschool children, child and group guidance, parent-teacher relationships, naturalistic observation, and child study. Prerequisite: Home Economics 2850 or Elementary Education 2320 or Psychology 3515 or permission of the instructor.
- 3920. Communications in Home Economics. (2-0-2) S.** Techniques and skills in communicating home economics ideas, attitudes and subject matter with individuals and groups.
- 3925. Demonstration Techniques. (0-4-2) F, S.** Development of desirable techniques and standards for use in business, teaching, and adult education.
- 4140. Institutional Food Management. (1-4-3) F, S.** Practice in quantity food production, menu planning, recipe standardization, management of time motion and materials. Prerequisites: Home Economics 1150 or 3190 and 2120.
- 4238. Principles of Pattern Design. (0-6-3) S.** Principles of designing clothing and the translation of these designs into an original pattern. Prerequisite: Home Economics 3235 or permission of the instructor.
- 4275. Field Experience. (Arr.-Arr.-3 to 9) (Credit/No Credit).** An individually planned work experience in a business or agency appropriate to the student's area of specialization. Prerequisites: Junior standing, permission of the Dean of the School of Home Economics and acceptance of the student by a business or agency.
- 4300. Consumer Issues. (2-0-2) S.** Current issues and problems confronting families in managing their resources with special emphasis on energy conservation.
- 4400. Directions in Home Economics. (3-0-3) F.** Philosophy, current trends and research in home economics.
- 4444. Honors Independent Study (Arr.-Arr.-3)** Consideration of special topics in Home Economics. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and Departmental Honors Coordinator.
- 4555. Honors Research. (Arr.-Arr.-3)** In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.
- 4644. Honors Thesis. (Arr.-Arr.-3)** Intensive research in preparation of a thesis on a topic in Home Economics approved by faculty supervisor and the Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.
- 4666. Honors Seminar. (Arr.-Arr.-3)** Areas of investigation which require integration of Home Economics and research will be treated. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Advanced Human Nutrition. (3-0-3) F.** Emphasis on biochemical function of essential nutrients in the study of human nutrition. Prerequisites: Chemistry 3450, Home Economics 2150.
- 4751. Diet Therapy. (3-0-3) S.** A study of the therapeutic care of a patient through the prescription of specific diets in relation to disease syndromes. Prerequisite: Home Economics 4750.
- 4770. Consumer Decisions in the Marketplace. (3-0-3) F.** Use of personal and family resources to improve consumer decision-making including discussion of government and business influences. Prerequisite: Home Economics 3300 or permission of the instructor.
- 4780. Living Environments. (3-0-3) S.** Living environments, planning living spaces for families considering environment, design, space, and materials in relation to family needs and resources. Prerequisites: Home Economics 2270 and 3280 or permission of the instructor.
- 4820. Death and Dying. (3-0-3) F, S.** Issues of death and dying and their implications for individuals and their families.
- 4840. The Disadvantaged Family. (3-0-3) F, S.** Low income and minority group families and their values, needs, problems and practices. Prerequisite: Home Economics 2800 or permission of the instructor.
- 4845. The Family in Crisis. (3-0-3) F.** In-depth study of major crisis situations faced by families. Some emphasis on resources that offer help to families faced with crisis situations. Prerequisite: Home Economics 2800 or permission of the instructor.
- 4846. Aging and the Family. (3-0-3) F, S.** Aging as a phase in the family developmental process and the consequent effect. Prerequisite: Home Economics 2800 or permission of the instructor.
- 4851. Infant Development. (2-2-3) F.** Study of current theories and research on infant and toddler development and care. Application of knowledge through supervised observation and participation in Home Economics Infant Development Laboratory.
- 4854. Parent-Child Study. (3-0-3) S.** Detailed study of parent-child interaction; indepth study of parent education programs, methodology and techniques. Observations required.

4859. **Administration of Child Care Programs. (3-0-3) F.** Organization, administration, curricula, facilities, licensing, parent involvement/education, and types of child care programs are presented. Observation required.
4913. **Organization and Administration of Cooperative Occupational Education. (3-0-3) F.** Introduction to cooperative education programs, program needs, resources, constraints, public relations, and policy development are analyzed.
4923. **Coordination Techniques for Cooperative Occupational Education. (3-0-3) S.** Methods and techniques for preparation of teacher coordinators. Student selection, training agreements, training plans, legal requirements, related class management, individualized instruction, and program evaluation are emphasized.
4940. **Food Systems Management. (2-2-3) F.** Organization and administration of food service systems, personnel management, cost control, food purchasing, facility and equipment planning. Prerequisite: Home Economics 4140 or permission of the instructor.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5060. **Administration and Supervision of Occupational Education. (2) On demand.** To prepare personnel for administering and supervising occupational education programs. Team teaching in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
5070. **Seminar in Occupational Education. (3) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
5080. **Seminar in Occupational Education. (1) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
5090. **Seminar in Occupational Education. (1-4) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics and Technology Education. A student may take the course for credit in only one of the departments.
5150. **Community Nutrition. (3) F.** A study of the problems of nutrition that affect large numbers of people and that are solved through group action.
5151. **Nutrition for Older People. (1) S.** Changes in aging as related to nutrition; dietary needs and diet planning.
5152. **Readings in Nutrition Research. (3) S.** In-depth study and application of nutrition knowledge and research. Prerequisites: Home Economics 4750, 5900 or permission of instructor.
5153. **Nutrition in the Life Cycle. (3) F.** Nutrition as a factor in human growth and development throughout the life cycle. Prerequisites: Home Economics 4750, Zoology 2999, or permission of instructor.
5238. **Seminar in Home Economics. (3) S.** The study of selected subject matter areas in the field of home economics. May be taken twice for credit. Prerequisite: Permission of the instructor.
5301. **Consumer and Management Problems of Older People. (3) F.** To develop competency in assisting people in the later stages of the family life cycle in the areas of consumer and management problems. Prerequisite: Home Economics 4846 or permission of the instructor. A course in consumer education is highly recommended.
5370. **Internship. (3 or 6)** An individualized planned work experience in an agency or institution appropriate to the student's area of specialization. A maximum of six semester hours may be earned.
5400. **Curriculum Development in Home Economics. (3) F-even-numbered years.** Philosophy, principles, and influences underlying curriculum development with emphasis on the development of curriculum in relation to Home Economics Secondary Programs in the State of Illinois.

5450. **Supervision in Home Economics. (2)** Principles and techniques of supervision in home economics.
5460. **Current Issues and Trends. (3) S.** A seminar dealing with the current and emerging problems, issues, trends, and developments in the field of home economics.
5470. **Evaluation in Home Economics. (3)** The evaluation process, critique and design of evaluation systems and instruments.
5750. **Special Problems in Gerontology. (1)** An indepth study of a specific personal or family related problem or issue common to older person. Prerequisite: Home Economics 4846 or permission of the instructor. May be repeated for a maximum of three semester hours.
5850. **Readings in Human Development and Family Life. (3) F.** Indepth study of selected Human Development and Family Life theories and research. Application of knowledge to current issues and concerns related to marriages, parenting, families and children.
5852. **Adolescence and the Family. (3) S.** Story of adolescent development and relationships with special emphasis on the family.
5900. **Research Methods in Home Economics. (3) F.** Research techniques in writing, interpreting, and evaluating home economics research.
5950. **Thesis. (3 to 6)** Individual direction of research thesis writing. *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
5990. **Independent Study. (1 to 6)** To offer opportunity and challenge for a student to pursue needed study in the area in which appropriate courses are not being currently offered. *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

INDUSTRIAL TECHNOLOGY

Coleman, Helsel, Messer, Watson.

Undergraduate Courses

1043. **Engineering Graphics. (1-4-3) F, S.** Multiview, graphs, isometric and oblique projection; sectional views and dimensioning; concepts of descriptive geometry.
2184. **Semiconductor Devices and Electronic Circuit Principles. (2-4-4) S.** Comparative analysis of the operating principles and characteristics of solid state devices and associated electronic components. The study includes the operation and application of basic semiconductor circuits. Prerequisite: Technology Education 2324 or permission of the instructor.
3003. **Industrial Mechanics. (3-0-3) F, S.** Mechanics of machinery, including gear, belt, cam hydraulic, and pneumatic power transmitting systems. Prerequisites: Physics 1350 and Mathematics 1300 or its equivalent.
3012. **Metrology and Inspection Procedures. (2-0-2) F.** Applications of metrology in production manufacturing; inspection instruments and procedures. Prerequisite: Junior standing.
3013. **Architectural Planning and Analysis. (2-2-3) F.** Cost factors in home construction, styles, planning and selection of materials.
3043. **Engineering Geometry and Graphics. (2-2-3) F, S.** Advanced spatial geometry; parallel, angular and perpendicular relationship; graphical calculus; empirical equations; plane and space vectors. Prerequisites: Industrial Technology 1043; Mathematics 1340.
3183. **Digital Electronics. (1-4-3) F.** Introduction to the study of digital electronics with emphasis on logic gates and binary memory elements. Prerequisite: Technology Education 2324 or permission of the instructor.
3202. **Surveying. (0-4-2) S.** Field work in location, elevation, and land surveys. Prerequisites: Industrial Technology 1043 or Technology Education 1364; Mathematics 1310 or its equivalent.
3920. **Independent Study. (Arr.-Arr.-1-5)** Independent study related to personal technological career goals in industrial technology. May be repeated to a maximum of five semester hours of elective credit in industrial technology. Prerequisites: Junior standing and permission of the department chairperson.
3933. **Alternative Energy Systems. (2-2-3) S.** Study of technology and systems related to use of present and alternative energy resources, with emphasis on energy utilization for heating, cooling, generating electricity, industrial processes and transportation.

- 4002. Materials Testing.** (0-4-2) F, S. Applied analysis of mechanical and physical properties of industrial materials. Prerequisites: Technology Education 1263; Physics 1350; Mathematics 1300 or its equivalent.
- 4043. Statistical Quality Assurance.** (3-0-3) F, S. Principles of total quality control; shewhart control charts; acceptance sampling; capability and reliability studies. Prerequisites: Mathematics 1300 or its equivalent; junior standing.
- 4183. Microprocessors.** (2-2-3) S. An introduction to the operation, use, and application of microprocessor circuitry. The study includes MPU principles and operation, machine language, programming, comparison of various MPU's, and microprocessor interfacing. Prerequisite: Industrial Technology 3183 or permission of the instructor.
- 4222. Principles of Cost Estimating.** (2-0-2) S. Procedures in estimating material, labor and fabrication costs. Prerequisites: Technology Education 3023 and junior standing.
- 4243. Construction Practices.** (3-0-3) S. Methods, materials, and procedures in construction management. Contracting, personnel management, specification procedure, fabrication techniques. Prerequisite: Technology Education 3023.
- 4274. Industrial Electronics.** (2-4-4) F. Study of industrial control of processes, materials, machines, energy, and information. Theory and application of electronic instrumentation devices, transducers, and elements in measuring temperature, density, level, flow, viscosity, humidity, pH and displacement. Prerequisite: Industrial Technology 2184 or permission of the instructor.
- 4275. Industrial Internship.** (Arr.-Arr.-5 or 10) Employment experience in an area related to the student's option. May be taken only under Credit/No Credit option. Prerequisites: Permission of the department chairperson; junior standing.
- 4602. Physical Metallurgy.** (0-4-2) S. Methods of altering, controlling and determining physical properties of metals. Prerequisite: Technology Education 2064.
- 4643. Metal Casting Processes.** (1-4-3) S. Control and prevention of casting defects, sand conditioning, melting and pouring techniques. Prerequisite: Junior standing.

Courses Open To Juniors, Seniors, and Graduate Students

- 4943. Manufacturing Management.** (3-0-3) F, S. Survey of technical management areas in a manufacturing operation. This course will include but not be limited to a study of production control methods, plant layout, scheduling, inventory control, and other phases of planning, organizing, and controlling a manufacturing operation. Prerequisites: Management 3010 and either Mathematics 2110 or 2351; or permission of the instructor.

INFORMATION SERVICES AND TECHNOLOGY

Smitley, D., Chairperson, Landsaw, Lawson, R., Miller, B.B., Wiseman, Wiseman.

Please note that courses in Information Services and Technology will be offered as frequently as possible. For a specific schedule of courses, students should contact the Chairperson of the Department of School Service Personnel.

Undergraduate Courses

- 1200. Introduction of Library/Media Use.** (2-0-2). Methods and techniques to help students learn to use libraries and library materials effectively.
- 3200. Supervision of the School Media Center.** (3-0-3). Emphasis on the supervision and administration of the programs and services of the school library/media center.
- 3220. Photography for Classroom Applications.** (2-2-3). Design and production of projected visuals for classroom use.
- 3300. Selection of Materials for Children.** (3-0-3). Study of the literature available for children, selection criteria, and reading guidance techniques.
- 3320. Selection of Materials for Young Adults.** (3-0-3). Study of literature for the adolescent, selection criteria, and reading guidance techniques.

- 4490. Practicum (Clinical Experience).** (1-8-3). Students are provided opportunities for a broad range of practical experiences in library media centers to allow maximum opportunity for applying theories and methods. Prerequisites: Information Services and Technology 3200, 3300 or 3320, 4750, and 4770.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Basic Sources of Information.** (3-0-3). Presents a working knowledge of the general and specialized library/media reference tools and services. Covers their content, evaluation and usage. For all teachers or graduate students in any field.
- 4770. Cataloging and Classification of Information.** (3-0-3). Covers the purpose and function of library catalogs, descriptive cataloging, classification, and subject headings. Includes the development of skills in using cataloging manuals and practice in solving cataloging problems.
- 4850. Computer Systems Applications.** (2-2-3). Introduces applications of computer systems in instruction. Prerequisite: Completion of an introductory computer course or equivalent experience.
- 4870. Communications, Resources and Technology.** (2-2-3) Theory and principles of communication and technology in the use of instructional resources. Includes methods and techniques, equipment operation, and simple production skills.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5200. Production I: Instructional Television.** (3) Methods and techniques of television production, direction and operation for classroom utilization.
- 5220. Photography I: Print Applications.** (3) Techniques for producing photographic materials for classroom instruction. Emphasis on black and white printing and darkroom techniques.
- 5230. Administration and Supervision of Media Programs.** (3) Organizational and supervisory problems and their solutions as related to the library/media center in the school, district, county, college or university, and business settings. Practical applications stressed.
- 5300. Studies in Children's Materials.** (3) A critical investigation of library materials designed for children. Includes national and international developments.
- 5320. Studies in Adolescent and Young Adult Materials.** (3) Survey of library materials designed for adolescents and young adults. Includes analysis of materials for reading guidance and discussion of national and international developments.
- 5340. Selection of Information Sources and Collection Development.** (3) Principles and practices related to the selection and acquisition of print and non-print media for library/media centers.
- 5360. Production II: Advanced Techniques.** (3) Production of learning resources using advanced graphic and photographic techniques. Emphasis placed on color slides, overhead transparencies, 8 mm movie picture photography, and audio taping for slide/tape production. Prerequisite: Information Services and Technology 4870 or permission of the instructor.
- 5490. Special Educational Problems.** (1-3) On demand. Provides the student an opportunity for investigation and analysis of elementary or secondary school problems of significant nature. May be repeated for a total of six semester hours of credit.
- 5710. Resources and Information Services in the Social Sciences.** (3) Intensive study of information sources and services in sociology, geography, psychology, economics, anthropology, history, and political science. Prerequisites: Information Services and Technology 4750 and 5340.
- 5720. Resources and Information Services in the Humanities.** (3) Intensive study of information sources and services in religion, philosophy, music, art, literature, and language. Prerequisites: Information Services and Technology 4750 and 5340.
- 5730. Resources and Information Services in Science and Technology.** (3) Intensive study of information sources in science and technology. Prerequisites: Information Services and Technology 4750 and 5340.

- 5890. Seminar in Educational Technology.** (3) The identification, investigation, and analysis of special problems related to the implementation of educational technology in schools. Prerequisites: At least twelve semester hours of Information Services and Technology courses.
- 5950. Thesis and Research.** (3-6) Note: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study.** (1-6) Permits the student to pursue more intensively various aspects of an area of special interest. Prerequisite: Permission of the department chairperson. Note: A maximum of nine semester hours may be earned in a combination of Information Services and Technology 5990 and 5950.
- 6120. Designing Mediated Instruction.** (3) Application of systems analysis to the improvement of instruction. Emphasis is placed on the design and development of individualized learning modules.
- 6130. Production III: Mediated Programs.** (3) The production of mediated programs for the improvement of instruction. Emphasis placed on individualized learning modules. Prerequisites: Information Services and Technology 4870, 5220 or 5360, 6120, or permission of the instructor.
- 6300. Photography II: Special Techniques and Applications.** (3) Advanced study of black and white photography, color printing, and darkroom techniques for utilization in education. Prerequisite: Information Services and Technology 5220.
- 6320. Communications and Educational Technology.** (3) Examines the theory and role of communications in relation to the responsibilities of the media specialist. Prerequisites: At least twelve semester hours of Information Services and Technology courses.
- 6910. Field Experience in Educational Technology.** (4) Supervised clinical experience in the administration of media services programs or subject area of specialization. May include investigative/operational research to identify and solve special problems. Carried out in the school where the student is employed, or by placement in a media services program acceptable to the instructor.

JOURNALISM

Wohlrahe, M.D., Acting Chairperson, Cordts, Goodrick, E., Price, Reed, J.D., Saunders, Sharp, Smeltzer, Stout, Voelz.

Undergraduate Courses

- 2100. Introduction to Journalism.** (3-0-3) An overview of the entire field of the mass media; media theory, journalism history, ethics, current issues, electronic media, telecommunications; with emphasis on the newspaper.
- 2101. Newswriting I.** (2-2-3) F, S. Principles of gathering and writing news; lab experiences with basic news stories. Interview techniques, writing of obituaries and speech stories. Prerequisites: Completion of English 1000 or enrollment in English 1001, typing skill 25 wpm; Journalism 2100 or permission of the department chairperson. Credit not granted for both Journalism 2101 and 3820.
- 2102. Newswriting II.** (2-2-3) F, S. Advanced techniques of reporting for newspaper and telecommunications; laboratory experience with public affairs reporting. Prerequisite: Journalism 2101.
- 2190 (2100H). Introduction to Journalism for Honors Students.** (3-0-3) Principles and practice of the American mass media, with emphasis on the newspaper. Development of the media through history, ethics, and problems, with comparison of print and electronic communications. Includes relevant aspects of current news, coverage of issues, and telecommunications along with practical journalism experience.
- 3001. News Photography.** (2-2-3) F, S. Photographic work in community press media with emphasis on photo content. Prerequisite: Journalism 2102 or permission of instructor.
- 3100. News Editing.** (2-2-3) F, S. News editing techniques encompassing electronic, telecommunications and paper copy flow. Includes headline writing, photo editing and lay out. Prerequisite: Journalism 2102 or permission of instructor.
- 3101. Communication Law.** (3-0-3) F, S. The reporter and communication law. Prerequisite: Journalism 2102 or permission of the instructor.

- 3102. Feature Writing.** (3-0-3) F, S. Study and practice of developing and writing feature material for newspapers and magazines, including information-gathering, marketing and surveying the place of features in the print media. Prerequisite: Journalism 2101 or permission of the instructor.
- 3201. Ethics.** (3-0-3) F, S. Ethical principles and issues of journalism; philosophical and professional standards of reporting and editing for newspapers and telecommunications. Prerequisite: Journalism 3101 or permission of instructor.
- 3820. Publicity Methods.** (3-0-3) Publicizing events, products and organizations through the press. Practical application stressed. For those who will do publicity as part of their careers in business, home economics, science, etc. Not open to journalism majors. Credit not granted for both Journalism 3820 and 2101.
- 3903. Women and the Media.** (3-0-3) S. An overview of women's roles as media participants and consumers. Effects of media treatment of women on society and individuals. Examination of the images and roles of women in media such as newspapers and magazines. Prerequisite: English 1002.
- 3950. Special Topics.** (3-0-3) On demand. A course devoted to special topics in journalism. May be taken as many as two times with permission of the department chairperson and the Dean of the College of Arts and Sciences. Prerequisites: Journalism 2100 and permission of the instructor.
- 3951. Black Journalism: Minorities and the Majority Media.** (3-0-3) S. A course devoted to the purpose, problems, and present status of the Black Press in the United States, and to the treatment of minorities in the majority media. Students are encouraged to develop research interests and to present their discoveries through oral and written presentation. Prerequisite: Journalism 2100.
- 4001. Newspaper Management.** (3-0-3) S. Understanding of skills, attitudes necessary to publish a community newspaper. Prerequisite: Journalism 3101 or permission of the instructor.
- 4275. Internship-Commercial.** (Arr.-Arr.-1) (Credit/No Credit). Actual training in a community news media situation or related journalism field. Prerequisite: Journalism 3101.
- 4276. Internship-Student Publication.** (Arr.-Arr.-1) (Credit/No Credit). Actual newsroom training in preparation of news copy, wire pictures and syndicated materials for *Daily Eastern News*. Prerequisite: Journalism 3101.
- 4501. Advertising.** (3-0-3) F. Principles of advertising with special emphasis on newspaper and design sales. Prerequisite: Journalism 3100 or permission of the instructor.

Courses Open To Juniors, Seniors, and Graduate Students

- 4751. Photojournalism: Photoediting and Design.** (2-2-3) Theory and practice of the photoessay, photostory and other extended forms of photojournalism from inception to display. Stresses magazine-style presentation in book, magazine and newspaper form. Prerequisite: Journalism 3001.
- 4760. Publication Design.** (3-0-3) S. Study and application of advanced editing, typography, graphics, and the design of magazines, newspapers, public relations pieces, advertisements, and yearbooks. Prerequisite: Journalism 3100 or permission of instructor.
- 4800. Supervision of High School Publication.** (3-0-3) Su. Problems for advisors to high school publications; staff recruitment, staff-faculty relationships, production problems, and editorial judgments.
- 4820. Fundamentals of Public Relations.** (3-0-3) S. Techniques of a positive public relations program, including the process, tools and application. Prerequisite: Journalism 3100 or 3820 or permission of the instructor. Credit not granted for both Speech Communication 4820 and Journalism 4820.
- 4900. Journalism Seminar.** (3-0-3) In-depth study of various topics in journalism. Prerequisite: Journalism 3100 or permission of instructor.
- 4920. Case Studies in Public Relations Problems.** (3-0-3) S. Public relations case problems in industry, business, labor, education, government social welfare and trade associations; the application of public relations techniques. Prerequisite: Journalism 4820 or permission of the department chairperson. Credit not granted for both Journalism 4920 and Speech Communication 4920.

JUNIOR HIGH SCHOOL EDUCATION

(See Elementary Education for staff members.)

Undergraduate Courses

- 3110. Directing Learning in the Junior High School. (3-1-3)** S. Administration, organization, and function of the junior high school; general methods, planning, evaluation, guidance, classroom management, and implications for the middle school. Fifteen clock hours in pre-student teaching clinical experiences are required.
- 3130. Teaching Social Studies and Language Arts in the Junior High School. (3-1-3)** F. The objectives, methods, materials, and content with an emphasis upon correlation. Fifteen clock hours in pre-student teaching clinical experiences are required. Prerequisites: Junior standing; Junior High School Education 3110.
- 3140. Teaching Mathematics and Science in the Junior High School. (3-1-3)** F. The scope, sequence, and interrelationship of the mathematics and science curricula, including methods and materials. Fifteen clock hours in pre-student teaching clinical experiences are required. Prerequisites: Junior standing; Junior High School Education 3110.
- 4280. Teaching Reading in the Secondary School. (2-2-3)** F. Techniques for providing appropriate reading instruction in proper sequence for students in grades seven through twelve. Fifteen clock hours in pre-student teaching clinical experiences are required. Prerequisite: Six semester hours in education and psychology.
- 4741. Independent Study. (Arr.-Arr.-1-3)** May be repeated for a total of six semester hours credit. Prerequisite: Permission of the department chairperson.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5270. Reading Instruction in the Junior and Senior High School. (3) Su-even-numbered years.** A systematic study of the objectives, methods, materials, and organization of junior and senior high school reading programs. Prerequisite: Eight semester hours in education and psychology.
- 5700. Seminar in Middle/Junior High School Education. (1-3) On demand.** Intensive study of important contemporary issues, problems, developments and trends in Middle and Junior High School Education. A maximum of 6 semester hours may be earned in Seminar or in Thesis or in Independent Study, but no more than nine semester hours may be earned in any combination of these.

LIFE SCIENCE

Undergraduate Courses

- 1000. Life Science. (1-4-3)** A study of the fundamental processes and structures common to all living things.
- 1090 (1000H). Life Science for Honors Students. (2-2-3)** The study of the fundamental processes and structures common to all living things taught from an advanced point of view. Prerequisite: Admission to the Honors Program.
- 3200. Genetics (3-2-4) F,S.** The fundamental principles of genetics (classical, molecular, and population) stressing applications to all organisms. Prerequisite: Life Science 1000.
- 3400. Methods of Teaching Biological Science in High School. (2-2-3) F.** A study of teaching techniques including the collection and use of materials for demonstrations and laboratory experiments. Thirty clock hours in pre-student teaching are required. Prerequisites: Educational Psychology 3325 and Secondary Education 3330.

MANAGEMENT

Gisler, J., Chairperson, Arseneau, Brankey, Chandler, Holley, B., Kathawala, Lensink, Longfellow, Marlow, E., Marlow, N., Maziarz, Meier, Moore, J., Oglesby, Rinefort, Roberts, Rosenkrantz, Shaffner, Stephen, Ware, Weaver, Weller, Wilson, M., Zimarowski.

Undergraduate Courses

- 2460. Legal and Social Environment of Business. (3-0-3)** Historical development of the law, social forces and legal rights, corporate social responsibility, government regulations, contracts, agency, personal property and bailments, and commercial paper. Prerequisite: Sophomore standing.
- 2810. Business Statistics I. (3-0-3)** Provides a working knowledge of the statistical tools used in analyzing business problems. Prerequisite: Mathematics 2120.
- 3010. Management and Organizational Behavior. (3-0-3)** Organization fundamentals: objectives, functions, structure and operational procedure, interpersonal relationships, control and motivation systems, and communications. Prerequisite: Junior standing.
- 3091 (3010H). Management and Organization Behavior for Honors Students. (3-0-3) On demand.** Organization fundamentals: objectives, functions, structure and operational procedures, interpersonal relationships, control and motivational systems, and communications. Prerequisite: Junior standing.
- 3340. Introduction to Organizational Theory. (3-0-3) On demand.** Introduction to human behavior in business organizations from a business management viewpoint.
- 3450. Personnel Management. (3-0-3)** Objectives, functions, and organization of a typical personnel program. Prerequisite: Management 3010.
- 3470. Business Law II. (3-0-3)** Sales; partnership and corporations; real property and leases; insurance; security devices; bankruptcy; wills and estates. Prerequisite: Management 2460.
- 3800. Introduction to Operations Research. (3-0-3) F, S.** An introduction and survey of the quantitative approaches to managerial decision making under conditions of certainty, risk, uncertainty, and competition. Prerequisites: Mathematics 2110 or 2120, and junior standing.
- 3820. Business Statistics II. (3-0-3) S.** Extension of the range of topics covered in Business Statistics I. Prerequisites: Management 2810 and junior standing.
- 3830. Business Report Writing. (3-0-3)** The organization and preparation of research-oriented reports used in business and technical communication. Prerequisite: Junior standing.
- 3950. Operations Management. (3-0-3) F, S.** Management of manufacturing and services enterprises. Includes operations research techniques, plant locations, layout, and services. Prerequisites: Management 2810, 3010, and Mathematics 2110.
- 4000. Special Topics in Energy. (2-2-3) S.** An in-depth examination of current and future issues, problems, policies, and managerial decision alternatives of specific topics in energy. Topics include energy conservation, solar energy, coal, synthetic fuels, nuclear energy, oil, and natural gas. May be repeated three times for credit. Prerequisites: One year of college chemistry, Accountancy 2150 or permission of the instructor.
- 4260. Legal and Social Environment of Business. (3-0-3)** Historical development of the law, social forces and legal rights, corporate social responsibility, government regulations, contracts, agency, personal property and bailments, and commercial paper. Prerequisite: Sophomore standing.
- 4275. Internship in Management. (Arr.-Arr.-3 or 6 or 9 or 12 or 15) (Credit/No Credit).** Employment experience in a phase of management for one semester in a firm approved by the department chairperson. Prerequisites: Permission of the department chairperson and acceptance of the student by a business firm on the basis of the student's application.
- 4310. Organizational Behavior. (3-0-3) F, S.** Examination of theoretical constructs and research findings on human behavior in work organizations such as businesses, especially individual differences, dyadic relations, and small group behavior. Prerequisite: Management 3010.
- 4320. Production Systems and Control. (3-0-3) S.** Designed to follow Management 3950. Meets the demands of business, particularly in the manufacturing area. Prerequisite: Management 3950. (Technology majors require Technology Education).
- 4350. Methods Analysis. (3-0-3) S.** Study of the procedure and techniques involved in methods analysis. Prerequisite: Management 3950. (Technology majors require Technology Education).
- 4360. Business Policy. (3-0-3)** A study of administrative processes under conditions of uncertainty, integrating analysis and policy determina-

tion. Prerequisites: All core requirements for the B.S. in Business degree and senior standing.

4370. **Job Evaluation.** (3-0-3) F, S. Analysis of the methods and techniques used in evaluating jobs. Prerequisites: Management 3010 and 3450.
4380. **Labor Law.** (3-0-3) F, S. An analysis of the principles of American labor law; administrative board decisions; major state and federal legislation.
4450. **Collective Bargaining.** (3-0-3) F, S. Deals with the role played by management and labor representatives in the collective bargaining process. Prerequisites: Management 3010, 3450, 4380 or permission of instructor.
4740. **Independent Study.** (Arr.-Arr.-3) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Prerequisites: Senior standing, cumulative grade point average of 3.0 or higher; consent of the supervising instructor and approval of a completed application by the department chairperson prior to registration.

Courses Open To Juniors, Seniors, and Graduate Students

4750. **Case Problems in Business Law.** (3-0-3) S. Case problems approach to the various topics in the field of business law. Prerequisites: Management 3470 and permission of the instructor.
4813. **Energy and Environmental Law.** (3-0-3) On demand. A study of the interaction of state and local energy and environmental regulation involving consideration of pertinent laws, policy statements, legislative studies, scholarly treatises, administrative procedures and landmark cases. Prerequisites: Junior standing and Management 2460.
4920. **International Business Policy and Operation.** (3-0-3) On demand. Contemporary theories and practices in management of international business firms. Prerequisites: Junior standing and Economics 3860 or permission of the instructor.
4930. **Energy Policy I: A Holistic Approach to Energy Management.** (3-0-3) S. Analysis of technological, business, economic, environmental social and political aspects of energy. Prerequisites: All the core requirements for Energy Management major; senior standing; or permission of the instructor.
4940. **Energy Policy II: Strategic Planning.** (3-0-3) S. Integrating analysis and policy determination for organizations with implications of regional, national, and international energy policies utilizing operation research techniques. Prerequisite: Management 4930.
4950. **Management Consulting Research.** (Arr.-Arr.-3) S. Students in this course will be provided with the opportunity to perform consulting service for small business firms in east central Illinois. Prerequisite: Senior or graduate standing in the School of Business.

MARKETING

(See Management for staff members.)

Undergraduate Courses

3470. **Principles of Marketing.** (3-0-3) Marketing channels; marketing functions and institutions; methods in marketing agricultural products, raw materials and manufactured goods. Prerequisites: Economics 2802 and junior standing.
3490. **Marketing Middlemen and Channels.** (3-0-3) Analysis of the roles of middlemen in retail, industrial and other wholesale levels in the marketing channel system, with special attention to the management of channel flows of goods, ownership, and financing. Prerequisites: Marketing 3470 and Accountancy 2100.
- 3491 (3470H). **Principles of Marketing for Honors Students.** (3-0-3) Marketing channels; marketing functions and institutions; methods in marketing agricultural products, raw materials, and manufactured goods. Prerequisites: Economics 2802 and junior standing.

3600. **Energy Marketing.** (3-0-3) On demand. Study and analyses of the marketing of energy. Emphasis is given to the nature of energy markets (especially to ownership of supply, and control and regulations of marketing operations), and to the various methods of transporting energy from producer to customer. Especially important is the impact of societal value judgments and life styles on the present as well as changing methods of marketing energy. Prerequisites: Economics 2802 and junior standing.

3720. **Consumer Behavior.** (3-0-3) The buying process at the levels of ultimate consumer, intermediate reseller and industrial user; psychological, sociological and economic foundations of buying behavior. Prerequisite: Marketing 3470.

3790 (3720H). **Consumer Behavior for Honors Students.** (3-0-3).

4100. **Special Topics in Marketing.** (3-0-3) F. Special topics in marketing. Topics to be announced. Prerequisite: Marketing 3720.

4275. **Internship in Marketing.** (Arr.-Arr.-3 or 6 or 9 or 12 or 15) (Credit/No Credit). Employment experience in some phase of marketing for one semester, in a firm approved by the department chairperson. Prerequisite: Permission of the department chairperson.

4470. **Sales Management and Personal Selling.** (3-0-3) S. The marketing management function of directing the policies and procedures of selling organizations is analyzed with the objective of maximizing the sales and profit opportunities of the particular organization involved. Sales planning and control are an integral part of the sales executive's responsibilities. Prerequisite: Marketing 3470.

4490. **International Marketing.** (3-0-3) S. An introduction to foreign trade with emphasis on international marketing institutions, cooperation, and technical features of overseas operations. Prerequisite: Marketing 3470.

4740. **Independent Study.** (Arr.-Arr.-3) Intensive investigation of a topic under the supervision of an instructor. Enrollment is by application. Prerequisites: Senior standing, cumulative grade point average of 3.0 or higher; consent of the supervising instructor and approval of a completed application by the department chairperson prior to registration.

Courses Open To Juniors, Seniors, and Graduate Students

4780. **Advertising Management.** (3-0-3) F. Application of the management functions to advertising. Prerequisite: Marketing 3470.
4860. **Marketing Research.** (3-0-3) Nature and scope of marketing research; scientific method and research designs; specific marketing research procedures; research report and follow-up. Problems. Prerequisites: Marketing 3470 and Management 2810 or its equivalent.
4875. **Retail Management.** (3-0-3) F. The objective of the course is to provide a framework for analyzing internal and external environment factors which affect the firms retailing activities. Emphasis is placed on the firm's decisions and policies relating to demand analysis, spatial decisions, merchandise policies, pricing strategy, and promotion activities. Consideration is also given to retail control methods. Prerequisite: Marketing 3490.
4876. **Product Development and Brand Management.** (3) S. A study of the process of product planning and development as related to venture management. Prerequisite: Marketing 3470.
4900. **Marketing Strategies.** (3-0-3) F, S. A study of the analysis, planning, implementation and control of marketing activities which are designed to achieve consumer satisfaction and the objectives of the organization. Prerequisites: Twelve semester hours of marketing and senior standing.

MATHEMATICS

DiPietro, A.J., Chairperson, Anderson, H.L., Atkins, Bennett, J., Coon, Coulton, Davito, Dey, Dolson, Dolzycki, Fuller, Gerling, Glazier, Grady, Hancock, Hawker, Hsu, Koontz, Krukenberg, LeDuc, Maxwell, Megginson, Meyerholtz, Nanda, Peterson, Petridis, Pettypool, Rahman, Ronsse, Rood, Sands, Schaeffer, Schmitz, Shanholtzer, Taitt, Weaver, M., Zhang.

In planning student programs it is important to check the course prerequisites including placement exam requirements as listed with the course descriptions below. "High school mathematics" as used here, includes high school courses in algebra, geometry, and trigonometry and modern courses which integrate these subjects; it does not include "general mathematics", "consumer mathematics", "shop mathematics", etc.

A tutoring service is available in the Department of Mathematics throughout the year for students who may need assistance in the undergraduate courses.

Courses in the Department of Mathematics are designed to serve the following purposes: (1) to contribute to the development of an informed citizenry; (2) to provide specific skills and knowledge of the discipline for those who plan to pursue careers in teaching mathematics or industry; (3) to provide the background for graduate study; and (4) to provide service for those disciplines outside mathematics.

For mathematics majors college-level work presupposes at least two years of algebra, one year of geometry, and one-half year of trigonometry in high school. Students without trigonometry will generally begin with Mathematics 1330, provided they have had at least one year of algebra and one year of geometry. However, such students are encouraged to take the Department of Mathematics placement test. Students with a background of three or more units of high school mathematics including trigonometry are required to take the Department of Mathematics placement test before enrolling in Mathematics 2351.

Proficiency credit will not be allowed for courses numbered below 2000.

Undergraduate Courses

- 1009. The Computer as an Intellectual Tool. (2-1-2)** Microcomputer applications: the word processor, spread sheet, and file manager. Large computer applications: the data base system and statistical package. Brief introduction to programming. History and social implications of computing. Credit will not be given for both Business Education 2500 and Mathematics 1009.
- 1099. Microcomputer Programming with Applications. (1-2-2) F, S.** Microcomputer programming in BASIC through algorithmic thinking. Applications of microcomputers to various disciplines, current technology, and graphics. Credit is not given for this course if student has credit for another college level programming course.
- 1150. Introductory Mathematics. (3-0-3)** A selection of topics designed to increase the student's understanding and appreciation of the role of mathematics in the modern world. This course should not be considered as preparatory for other courses in mathematics.
- 1220. Basic Numerical Mathematics and Geometry. (3-0-3) F, S.** The theory, properties and development of the real number system; point-set geometry extended to three-space.
- 1270. Algebra I. (3-0-2) (Does not count in cumulative grade point average or for graduation.)** Equations, exponents, absolute value, inequalities, polynomials, factoring, real and complex numbers, synthetic division, radicals, quadratic equations. Prerequisite: Satisfactory placement test score.
- 1271. Algebra II. (3-0-3)** Linear and quadratic functions and inequalities; exponential, logarithmic, and inverse functions; applications to business; algebra or functions and matrices; row elimination; graphing. Prerequisite: Mathematics 1270 with grade of C or better, or satisfactory placement test score.
- 1300. College Algebra. (3-0-3) F, S.** Algebraic concepts needed for higher mathematics. Credit not granted for both Mathematics 1271 and 1300. Prerequisite: Satisfactory score on placement exam.
- 1310. College Trigonometry. (2-0-2)** Basic concepts of right triangle trigonometry with applications. Prerequisite: Two years of high school mathematics. Not open to students who have completed or are enrolled in Mathematics 1330.
- 1330. Analytical Trigonometry. (2-0-2)** Analytical approach to trigonometry, its properties and applications. Prerequisite: Two years of high school mathematics.
- 1340. Analytic Geometry. (3-0-3) F, S.** Coordinate systems, conic sections, polar and parametric forms. Prerequisite: Mathematics 1310 or 1330.
- 2110. Mathematical Analysis. (3-0-3)** Polynomial calculus, including derivatives and integrals of algebraic functions, with applications. Prerequisite: Mathematics 1271 or 1300 or satisfactory placement score.
- 2120. Finite Mathematics. (3-0-3)** Elementary set theory, probability, and linear algebra. Applications to business and social science. Prerequisite: Mathematics 1271 or 1300 or satisfactory placement score.
- 2250 (1250). Elementary Statistics. (4-0-4) F, S.** Descriptive and inferential statistics including measures of central tendency and dispersion, confidence limits, and hypothesis testing. Recommended as a first course in statistics. Not open to mathematics majors.
- 2300. Introduction to Computer Programming. (0-2-1)** Computer programming in FORTRAN/BASIC. Not open to students with credit for a college level course in computer programming.
- 2310. Computer Programming. (2-2-3)** The application of procedure-oriented computer languages (FORTRAN) to both numeric and non-numeric algorithms. Not open to freshmen. Prerequisite: Three semester hours of college level mathematics or concurrent enrollment in any mathematics course numbered 2000 or above.
- 2351. Differential Calculus and Analytic Geometry I. (4-0-4) F, S.** The study of differential calculus of one variable, including necessary ideas from analytic geometry and limits. Prerequisite: Satisfactory score on the placement exam or permission of the department chairperson.
- 2352. Differential Calculus and Analytic Geometry II. (3-0-3) F, S.** The study of differential calculus of several variables including analytic geometry of space. Prerequisite: Mathematics 2351 with grade of C or higher.
- 2361. Introduction to Integral Calculus. (2-0-2) F, S.** May be taught on half-semester basis. The study of the definite integral and techniques of integration. Prerequisite: Mathematics 2351 with grade of C or higher.
- 2362. Applications of Integral Calculus. (3-0-3) F, S.** Multiple integrations, applications of the integral to volume, arc length, surface area, work, fluid pressure, etc. Prerequisites: Mathematics 2352 and 2361.
- 2371. Infinite Sequences and Series. (2-0-2) F, S.** May be taught on half-semester basis. The study of improper integrals, indeterminate forms, sequences, and series. Prerequisite: Mathematics 2361.
- 2391 (2351H). Calculus for Honors Students. (4-0-4) F.** The study of differential calculus with the necessary ideas from analytic geometry included. Section 001 is for those students whose major requires the calculus sequence, i.e., mathematics, computational mathematics, pre-engineering, physics, chemistry. Section 002 is for those students whose major does not require the full calculus sequence. Mathematics 2391 will fulfill the requirements of Mathematics 2351. Mathematics 2391 and 2361 will fulfill the requirements of Mathematics 2110. Prerequisites: Satisfactory placement score, admission to the Honors Program, and permission of the Director of the Honors Program.
- 2550. Matrix Algebra with Applications. (3-0-3) F, S.** The study of linear algebra with special emphasis on applications. Prerequisite: Mathematics 1300 or equivalent.
- 2670. Computational Techniques. (2-2-3) S.** Computational models and problem solving, programming techniques. Prerequisite: Mathematics 2310.
- 3271, 3272. College Geometry. (3-0-3 each course) 3271-F, S; 3272-S.** The study of geometry including a review of elementary geometry, Euclidean, non-Euclidean, and transformational geometrics. Prerequisite: Mathematics 2351. To be taken in sequence.
- 3300. Metric Geometry and Teaching Elementary Mathematics. (2-2-3)** The structure and study of geometric models. Methods and materials for teaching K-6 mathematics. Restricted to students in the curriculum for elementary school teachers. Prerequisite: Mathematics 1220 or satisfactory score on placement test. Elementary Education 3240 is a prerequisite or a corequisite.
- 3400. Teaching Secondary Mathematics. (3-2-4) F, S.** Methods and materials for teaching mathematics in grades 7-12. Thirty clock hours in pre-student teaching are required. Prerequisites: Educational Psychology 3325, Secondary Education 3330; Mathematics 2361, 3271, 3530; or permission of the department chairperson.
- 3500. Microcomputers in Education. (1-1-1) F, S.** A study of the use of microcomputers in the classroom; including computer literacy, applications, current research, hardware and software, programming techniques. Prerequisite: Mathematics 1220. Restricted to education majors.

- 3501. Differential Equations I. (3-0-3) F, S.** Formal solutions of ordinary differential equations: a critical analysis of some elementary types; envelopes, trajectories, Laplace Transformations applications. Prerequisite: Mathematics 2361.
- 3502. Differential Equations II. (3-0-3) S.** Systems of differential equations, series solutions, approximations to solutions. Laplace Transformations, partial differential equations, boundary value problems. Prerequisites: Mathematics 2371 and 3501.
- 3530. Abstract Algebra. (4-0-4) F, S.** An introduction to abstract algebra including: operations and relations, mappings, groups, rings, and fields. Prerequisite: Mathematics 2352.
- 3570. Numerical Calculus. (3-0-3) S-odd-numbered years.** Construction of algorithms for interpolation, quadrature, solution of equations and systems, solution of ordinary differential equations. Prerequisites: Mathematics 2310, 2362, and 2371.
- 3670. Computers and Programming. (2-2-3) F, S.** Computer structure, data representation, instruction sets, semantics and syntax of assembly language programming, system macros, programmer macros, sub-routines. Prerequisite: Mathematics 2310 or Data Processing 2300.
- 3701, 3702. Probability and Statistics I and II. (3-0-3 each course) 3701-F, S; 3702-S.** Basic concepts of probability and statistics. Prerequisites: Mathematics 2352; to be taken in sequence. 3701 may be taken concurrently with or following 2361. 3702 requires 2362 and 3701.
- 3770. Combinatorial Computing. (3-0-3) F.** Enumeration and counting — generating functions and recurrence relations; graph theory — trees, circuits, cutsets, transport networks; computational aspects of combinatorics. Prerequisites: Mathematics 2310 and 3701.
- 3800. Seminar in Mathematics. (2-0-2) F, S.** Seminar in topics which are not covered under the usual course offerings of the Department of Mathematics. More than one section in more than one topic possible each semester. Prerequisite: Permission of instructor or the department chairperson.
- 4275. Internship in Computational Mathematics. (Arr.-Arr.-10 to 15; 1-5 during intersession provided there is concurrent registration in the summer term.)** Employment experience in computational mathematics for one semester, in an approved firm or agency. This course to be taken Credit/No Credit, but not to count against the maximum of twelve semester hours in Credit/No Credit option. Prerequisite: Credit applicable for graduation only in Computational Mathematics major. Acceptance of the student by a firm on the basis of the student's application and permission of the chairperson of the Mathematics Department. Permission may be denied if the student does not have an overall grade point average of at least 2.50 and a major grade point average of at least 2.75.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Linear Programming. (3-0-3) F.** A study of linear inequalities, linear programming problems and the techniques for solving linear programming problems by the simplex method. Prerequisites: Mathematics 2361; and Mathematics 2550 or 4760.
- 4760. Linear Algebra. (4-0-4) F.** Vector spaces, linear transformations, and dual spaces, invariant direct sum decompositions, Jordan form, inner product spaces. Prerequisite: Mathematics 3530 or permission of the department chairperson.
- 4770. Applied Advanced Calculus. (3-0-3) S.** Calculus of several variables. Line and surface Integrals. Vector and Tensor Analysis, Fourier Series. Prerequisites: Mathematics 2362 and 2371.
- 4800. Diagnosis, Remediation and Technology in Teaching Mathematics, K-12. (1-2-2) F.** The study of diagnosis, prescription, and remediation and their applications in teaching Mathematics K-12, as well as the applications of modern technological advances to the teaching of mathematics. Prerequisites: Mathematics 3300 or 3400 or permission of the department chairperson.
- 4820. Topics for Elementary and Junior High School Teachers in Algebra and Geometry. (2-2-3) S.** The study of metric geometry, geometric constructions, congruence similarity, symmetry, and coordinate geometry, solutions to linear equations, probability, statistics, ratio, percent, and problem solving. Prerequisite: Mathematics 1220, or permission of the instructor.
- 4850. Operations Research. (3-0-3) S.** Construction and use of mathematical models in industrial problem solving; linear programming, decision and game theory. PERT-CPM, inventory models, queueing theory, and simulation. Prerequisites: Mathematics 2550 and 3702 or permission of the department chairperson.
- 4860. Mathematical Analysis. (4-0-4) F.** A study of limits, convergence of sequences and series, continuity, differentiation, and Riemann integration. Prerequisites: Mathematics 2362 and 2371.
- 4870. Data Structures. (3-0-3) F.** Stacks, queues, linked lists, recursive programming, trees, graphs, sorting, searching, theory of database systems. Programs done in assembler and Pascal. Prerequisite: Mathematics 3670 or permission of the department chairperson.
- 4900. History of Mathematics. (3-0-3) Su.** The Ancient Orient. The period of Ancient Greece. The Hellenistic period. Seventeenth to Nineteenth Century A.D. The beginnings of Modern Mathematics. Prerequisite: Mathematics 2361 or permission of the department chairperson.
- 4910. Number Theory. (3-0-3) Su-odd-numbered years.** Divisibility, primes, congruences, solution of congruences, power residues, quadratic reciprocity, numerical functions, diophantine equations. Prerequisite: Mathematics 3530 or permission of the department chairperson.
- 4970. Operating Systems and Job Control Languages. (3-0-3) S.** System structure, memory management, processor management, evaluation procedures, security. Detailed study of IBM OS/VS JCL will be given. Prerequisite: Mathematics 3670 or permission of the department chairperson.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5050. Numerical Analysis. (4) S-even-numbered years.** Rounding errors, difference equations, solutions of equations and systems of equations, interpolations, numerical differentiation. Prerequisite: Mathematics 2310 or 3501.
- 5080. Structure of Programming Languages. (3) F-odd-numbered years.** The structure and syntax of ALGOL. Selected topics in computer science. Prerequisite: Mathematics 2310 or permission of the department chairperson.
- 5100. Abstract Algebra. (4) S.** Basic algebraic concepts; one and two operation systems and their properties. Prerequisites: Mathematics 3530 and 4760 or permission of the department chairperson.
- 5151. Probability. (4) F-even-numbered years.** Elementary and general probability spaces. Random variables, multivariate distributions and the algebra expectations. Prerequisite: Mathematics 3701.
- 5152. Statistics. (4) S-odd-numbered years.** Random sampling, the law of large numbers, confidence intervals, regression, sampling from a normal population and testing hypotheses. Prerequisite: Mathematics 3702 or permission of the department chairperson.
- 5200. Higher Geometry. (4) F-even-numbered years.** A selection of topics from transformation geometries. Prerequisite: Mathematics 4760 or permission of the department chairperson.
- 5210. An Introduction to Differential Geometry. (4) S-even-numbered years.** The Euclidean space-functions, transformations, differential fields and forms, and the study of curves in Euclidean space. Prerequisite: Mathematics 4760 or permission of the department chairperson.
- 5220. Topology. (4) S-odd-numbered years.** Metric spaces. Topological spaces. Connectedness. Compactness. Prerequisite: Mathematics 4860 or permission of the department chairperson.
- 5301. Real Variables. (4) S-even-numbered years.** Set theory. Cardinal numbers. Real numbers. Measure theory. Lebesgue theory. Prerequisite: Mathematics 4860 or permission of the department chairperson.
- 5330. Complex Variables. (4) S-odd-numbered years.** Complex numbers, analytic functions, conformal mappings, complex integrations. Prerequisite: Mathematics 4860 or permission of the department chairperson.
- 5335. Topics in Mathematics. (2 to 4) On demand.** Topics selected from advanced areas in mathematics including the theory of functions of a complex variable, measure spaces, functional analysis. Prerequisite: Permission of the department chairperson. May be repeated for credit.
- 5400. The Teaching of Mathematics in Grades K-6. (3) On demand.** The techniques, methods, and materials used in teaching the concepts and skills of arithmetic in grades K through six. Prerequisite: Enrollment in the curriculum for elementary teachers. Mathematics 4820 or permission of the department chairperson.

- 5635. Mathematical Topics for Secondary School Mathematics Teachers.** (2 or 3) On demand. Topics selected from areas of mathematics useful in teaching high school mathematics including algebra, analysis, geometry, etc. May be repeated for credit if a different topic is taught. A maximum of nine semester hours of credit may be earned toward a Master's degree program. Prerequisite: Permission of the department chairperson.
- 5700. Topics in Teaching Mathematics.** (2 to 4) On demand. Study of problems which arise in teaching secondary mathematics, research in mathematics education; assigned reading reports. Prerequisite: Experience teaching grades six through twelve or permission of the department chairperson. May be repeated for a maximum of nine semester hours credit.
- 5950. Thesis.** (3 to 6) Note: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study.** (1 to 6) Note: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

MEDICAL TECHNOLOGY

Undergraduate Courses

- 2600 (Chemistry 2600). Introduction to Medical Technology I.** (1-2-2) F, S. Orientation to the field of medical technology. Limited enrollment only. Permission of the chairperson of the Medical Technology Program.
- 3000. Introduction to Medical Technology II.** (1-2-2) F, S. A survey of laboratory methods used in the modern clinical laboratory. Limited enrollment. Prerequisites: Open to junior standing medical technology students only. Permission of the chairperson of the Medical Technology Program.

MILITARY SCIENCE

Cox, Lattimore, May, L., Miller, J.L., Minney, Trout.

Undergraduate Courses

- 1001. Introduction to Military Science, U.S. Defense Establishment.** (1-1-1) F, S. An introduction and familiarization to: ROTC, its purpose and organization; the National Security Structure; the Department of the Army; the codes, roles, and professional development of commissioned officers; and military traditions, courtesies, and customs of the service. Field training may be required.
- 1002. Introduction to Tactics.** (1-1-1) S. Fundamentals of Tactics and their application to the employment of squad and platoon-sized units in offensive and defensive military operations. Field training may be required. Prerequisite: Permission of the instructor.
- 2001. Fundamentals of Learning and Military Instruction.** (1-1-1) S. An introduction to the fundamentals of training and training management. Principles of military instruction with respect to method and follow-on evaluation. An overview of military lessons, briefings, facilities and resources available to the Military Teacher/Trainer. Field training may be required. Prerequisite: Permission of the instructor.
- 2002. Land Navigation.** (2-1-2) F. Fundamentals of military map reading; applications of basic land navigation principles as applied to military maps using the lensatic compass and terrain association. Field training may be required. Prerequisite: Permission of the instructor.
- 2003. ROTC Basic Camp.** (0-10-1 to 5) Su. Six weeks of training at Ft. Knox, Kentucky. Travel pay and salary stipend. No military service obligation. Graduates eligible to enter Advanced Military Science courses. Amount of credit dependent on previously earned Military Science Basic course credits. Concentrated training in substitution for first two years of Basic Military Science classes. Prerequisites: Application and permission of instructor.
- 3001. Principles of Military Leadership.** (3-2-4) F. Introduces the student to military professionalism and ethics, principles of leadership, the responsibilities and techniques of military leaders and the problems of leadership in the military environment. Field training may be required. Prerequisite: ROTC advanced course standing or permission of the instructor.

- 3002. Introductory Military Operations (Fundamentals and Dynamics of the Military Team).** (3-2-4) S. Application of the principles of offensive and defensive combat as it relates to small tactical units; analysis of each branch of the Army and their inter-relationships within the Division; the means and methods by which the Army Division accomplishes its mission. Field training may be required. Prerequisite: ROTC advanced course standing or permission of the instructor.
- 3003. ROTC Advanced Camp.** (Arr.-Arr.-6) Su. Six weeks of training at Fort Riley, Kansas. Travel pay and salary stipend. Required for Commission as Army Officer. Instruction and practical application of leadership skills in a field training environment, demonstration and evaluation of leadership capabilities, problem analysis, decision making and troop leading skills. Prerequisites: Military Science 3001 and 3002.
- 4001. Military Law and Administrative Management.** (3-2-4) F. Lecture-discussion course on fundamental concepts of military justice; basic principles of courts-martial and non-judicial punishment. Includes breakdown of various staff principles and procedures in the Army organizational structure. Field training may be required. Prerequisite: ROTC advanced course standing or permission of the instructor.
- 4003. Cadet Officer Leadership Laboratory.** (0-2-1) S. This laboratory will consist of the active planning, implementation, and supervision of the training activities of the EIU ROTC cadet battalion during its common laboratory period each week. The supervision of these activities as cadet battalion officers requires the application of skills and training received in all of the previous ROTC training. Prerequisite: ROTC advanced course standing or permission of the instructor.
- 4004. Leadership Assessment.** (3-0-3) S. Course will train students to be qualified assessors for the Army's Leadership Assessment program. Skill areas include communications, human relations, organizational structures, power and influence and management. Prerequisite: ROTC advanced course standing or permission of the instructor.

MUSIC

Hansen, D., Chairperson, Appleby, Aulabaugh, Barta, Blalek, Brinkman, Clemons, Daniels, DiBianco, Granias, Hardin, Hesterman, Hillyer, Horney, Johnson, J., Krehbiel, J.W., Lane, Maharg, Martin, J.M., Radtke, Sanders, G.P., Sanders, K.L., Smith, C.A., Snyder, R.C., Snyder, R.E., Sturgis-Everett, Weidner, R.W., Zwicky.

Auditions

All entering freshmen and transfer students planning to major in music are required to audition in a performance area in advance of enrollment. Information on audition dates and requirements is available through the Music Department office (217/581-3010). All students who wish to transfer credit in music theory, aural training, and music history are required to take the placement examination in the subject(s).

Non-music majors wishing to enroll in applied music courses (0010-0070 and 3310-3370) are required to audition in the performance area of their interest. Placement examinations are given during the fall registration period before classes begin.

Composition Auditions

Students who elect the theory-composition option are required to audition on either an instrument or voice and to provide scores and/or tapes of original compositions prior to enrollment. Only in a case where exceptional composition skills can be demonstrated is a freshman admitted to the Department as a major in the theory-composition option. Typically, a student is required to complete one semester of music theory before being permitted to study composition. After one of more semesters of composition study the student's progress is evaluated by the theory/history faculty. If satisfactory, the student is admitted to the option; this usually occurs at the end of the freshman year.

Studies in Music Performance

All music majors are required to study music performance on a one-to-one basis with a studio instructor. Such study is referred to as "applied study." While majors may pursue more than one area of applied study, each student must complete a sizeable block of hours in one "primary" or "principal" instrument or voice.

The hours of applied study taken each semester vary depending upon the program option in which the student is enrolled. The hours for primary or principal applied study are as follows:

Degree Program	Credit Hours per Semester	Lessons or Class Instruction per Week	Practice per Day
Music Major			
Performance Option	4	1 hour	2-4 hours
Theory-Composition Option	1, 2 or 4	½-1 hour	1-4 hours
History-Literature Option	1 or 2	½-1 hour	1-2 hours
Music Education Major	1 or 2	½-1 hour	1-2 hours
Instrumental, Vocal, and General Music Emphasis			

Students are expected to complete the minimum applied study requirement over a period of seven semesters. Secondary applied study (the study of any instrument or voice in addition to the primary or principal area) may occur in any option or emphasis for 1-2 credit hours per semester with prior consent of the instructor.

In the summer term, credit for applied study should be reduced by one half, except in cases where the normal credit is one semester hour. Additional credit for applied study in the summer term may be taken only with the permission of the studio instructor.

Courses in music performance may be repeated for credit according to the applied study requirements stipulated for each program option and emphasis. Students may elect applied study hours beyond the stipulated requirements for their program.

Progress in applied study is evaluated each semester by the faculty of the performance area in which the student is enrolled. A Junior Standing Jury is a graduation requirement for all music and music education majors and normally occurs at the end of the fourth semester of applied study. Students must pass the Junior Standing Jury to receive upper division credit and must complete the Jury by the end of the sixth semester, or its equivalent. Music education majors are required to have at least two hours of upper division credit (3310-3370) in fulfilling applied study requirements. Students electing the general music emphasis must achieve Junior Standing but are not required to have upper division credit for applied study.

Music Ensembles

Membership in music ensembles is open to all students. Selection for most ensembles made on the basis of auditions. Audition times are posted in the Department office prior to each semester. Courses in ensemble taken by music majors and minors beyond four semesters may be counted for upper division credit. Instruments are available without charge for students wishing to participate in instrumental ensembles.

Cecilian Singers

An ensemble of women's voices which studies and performs all types of literature, from classic to popular. Music 0300.

Chamber Groups in Instrumental Music

Chamber groups of woodwinds, brasses, strings, keyboard, and percussion are organized to enrich the experience of players in the standard literature. Music 0600, Secs. 1, 2, 3, 5, 6, 7.

Chamber Singers

An ensemble of mixed voices for the study and performance of vocal chamber music dating from 1500 to the present. Music 0600, Sec. 4.

Collegium Musicum

An ensemble organized for the purpose of reading, studying, and performing seldom-heard works. Vocal and instrumental forces, either separate or at times in combination, are employed. Music 0600, Sec. 2.

Concert Band

The concert band functions as a musical unit for studying and performing all types of band literature. Music 0100.

Concert Choir

A select ensemble of approximately 60 men and women. A wide variety of choral literature is performed. Music 0300.

Jazz and Lab Bands

The jazz and lab bands offer an opportunity to play the finest in jazz-band music. Jazz Band I rehearses four days each week. The Lab Band rehearses two evenings each week. Various programs including tours and festivals are performed each year. Music 0120.

Jazz Combo

Jazz Combos of four to six musicians perform and study the standard repertoire of the jazz idiom as well as develop improvisational skills. Music 0600, Sec. 6.

Marching Band

The Marching Band performs during the football season for all home games and takes several off-campus tours each season. Music 0100.

Marimba Orchestra

An ensemble of six marimba players performing music written specifically for or arranged for this type of group. Music 0600, Sec. 5.

Mixed Chorus

An ensemble of mixed voices which studies and performs many types of choral literature. Some opportunity is provided for student conductors to improve their techniques. Music 0300.

Music Theater/Opera

Music Theater/Opera students produce major productions with orchestra, smaller productions with piano, touring productions and in class scene productions to develop music theater and opera skills. Music 3120.

Oratorio Chorus

At certain times the Concert Choir and Mixed Chorus form the nucleus of the Oratorio Chorus for the study and performance of cantatas, oratorios, Masses, and other major choral works.

Pep Bands

Personnel of the Pep Bands are selected from the Symphonic Winds and Concert Band to perform at basketball games.

Percussion Ensemble

An ensemble performing percussion music from 1930 to the present. Music 0600, Sec. 5.

Steel Band

An ensemble performing traditional and pop music of all types for steel drums. Music 0600, Sec. 5.

String Orchestra

An ensemble for string players interested in the study and public performance of literature for the string orchestra. Music 0110.

Symphony Orchestra

The orchestra presents regular programs of representative works from symphonic literature. In addition, the orchestra participates in certain choral and operatic productions. Music 0110.

Studio Clarinet Choir

The Studio Clarinet Choir performs original and transcribed period works. Music 0600, Sec. 7.

Wind Ensemble

A select wind ensemble organized for the study and performance of the highest quality literature. Music 0100.

Liability Notice

In the event that students choose to store musical instruments on campus in any building operated by the University, they thereby waive any and all liability of the University and its employees for loss of, or damage to, such musical instruments by any cause whatsoever, including, but not limited to fire, water, windstorm or other casualty, theft, or dampness or dryness of the air.

Student Recitals

All students except freshmen are required to appear each year in the series of student recitals in order to gain experience in musical performance.

Music Education Major

Instrumental principals in the instrumental emphasis are required to perform 25 minutes in recital, or its equivalent, following completion of the Junior Standing Jury. Vocal and piano principals are required to present junior and senior recitals. Organ principals must present a senior recital and either a junior recital or equivalent performance. Students in the general music emphasis must achieve junior standing in their principal applied area of study with a junior and senior recital being optional.

Music Major

Performance Option. Students with an option in performance must present a half recital in the junior year and a full recital in the senior year. Further, performance majors are required to perform a minimum of four times on student recitals in addition to presenting a junior and senior recital. The student recital requirement must be completed before the semester in which the senior recital is given.

History-Literature and Theory-Composition Options. Students with either a History-Literature or Theory-Composition option are required to present appropriate projects in lieu of the junior and senior recitals.

Undergraduate Courses

All undergraduate courses are open to non-music majors except the following: Music 1203, 2141, 2142, 2155, 2205, 2206, 2360, 2440, 3136, 3155, 3260, 3400, 3439, 3440, 3581, 3582, 4541, 4542, 4600, 4950.

Non-music majors may elect to study music through the following types of offerings:

Courses for Humanities Credit: 0100, 0110, 0120, 0300, 0600, 2561, 2562, 2563, and 2564.

Courses which fulfill the Fine Arts Requirement: 2552, 2553, and 2554.

Classes in Piano, Voice, and Guitar: 1101, 1136, 1201, 1202, and 2201.

Courses for Elementary and Special Education Majors: 1421, 1423, 3421, 3423, 3435.

In addition, ensembles (0100-0300 and 0600), applied study (0010-0070), instrumental classes (1301-1306), and courses in fine arts, theory, history, and pedagogy are open to students not majoring in music.

Applied Study. Auditions are required for initial placement. May be repeated for credit. Music majors may register for one, two, or four semester hours of credit depending on the degree program. Non-music majors may register after receiving permission of the studio instructor.

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| 0010. Voice. (Arr.-Arr.-1, 2 or 4) | 0034. Tuba. (Arr.-Arr.-1, 2 or 4) |
| 0020. Flute. (Arr.-Arr.-1, 2 or 4) | 0040. Percussion. (Arr.-Arr.-1, 2 or 4) |
| 0021. Oboe. (Arr.-Arr.-1, 2 or 4) | 0050. Violin. (Arr.-Arr.-1, 2 or 4) |
| 0022. Clarinet. (Arr.-Arr.-1, 2 or 4) | 0051. Viola. (Arr.-Arr.-1, 2 or 4) |
| 0023. Bassoon. (Arr.-Arr.-1, 2 or 4) | 0052. Violoncello. (Arr.-Arr.-1, 2 or 4) |
| 0024. Saxophone. (Arr.-Arr.-1, 2 or 4) | 0053. String Bass. (Arr.-Arr.-1, 2 or 4) |
| 0025. Recorders. (Arr.-Arr.-1, 2 or 4) | 0060. Piano. (Arr.-Arr.-1, 2 or 4) |
| | 0061. Organ. (Arr.-Arr.-1, 2 or 4) |
| | 0062. Harpsichord. (Arr.-Arr.-1, 2 or 4) |
| 0030. Trumpet. (Arr.-Arr.-1, 2 or 4) | 0070. Composition. (Arr.-Arr.-1, 2 or 4) |
| 0031. Horn. (Arr.-Arr.-1, 2 or 4) | Prerequisite: Permission of instructor. |
| 0032. Trombone. (Arr.-Arr.-1, 2 or 4) | |
| 0033. Baritone. (Arr.-Arr.-1, 2 or 4) | |
| 0100. Ensemble, Band. (0-6-1) F, S. Music majors and minors may count up to six semester hours toward graduation. Non-music majors may count four semester hours toward graduation. | |
| 0110. Ensemble, Orchestra. (0-4-1) F, S. Music majors and minors may count up to six semester hours toward graduation. Non-music majors may count four semester hours toward graduation. | |
| 0120. Ensemble, Jazz. (0-4-1) F, S. Music majors and minors may count up to six semester hours toward graduation. Non-music majors may count four semester hours toward graduation. Prerequisite: Permission of instructor. | |
| 0300. Ensemble, Chorus. (0-4-1) F, S. Music majors and minors may count up to six semester hours toward graduation. Non-music majors may count four semester hours toward graduation. | |
| 0541. Introduction to Music Theory. (2-0-2) F. (Credit/No Credit: Does not count toward graduation.) Basic skills and concepts required for the study of music theory and literature at the college level. | |
| 0600. Chamber Ensemble. (Arr.-Arr.-1) The study and performance of ensemble literature for vocal, piano and instrumental groups. | |
| 1101. Class Instruction in Beginning Guitar. (0-2-1) F, S. A course of guitar instruction for those who have had no previous guitar instruction and wish to learn guitar basics such as: chording, folk and finger strums, solo guitar techniques, and music reading. Students must provide own instrument. | |
| 1103. Recital. (No credit). Music majors should enroll each semester in residence. | |
| 1136. Class Instruction in Voice. (0-2-1) F, S. Beginning vocal instruction for students who have had little or no previous vocal study. May be repeated once for credit. No audition required. | |
| 1201. Beginning Class Instruction in Piano. (0-2-1) A course for students who have had no music reading experience. No audition necessary. Not open to music majors. | |
| 1202. Beginning Class Instruction in Piano. (0-2-1) F, S. A course for students who have music reading experience beyond Music 1201. | |
| | Not open to music majors. May be repeated once for credit. Prerequisite: Music 1201 or audition. |
| | 1203. Basic Functional Skills in Piano. (0-2-1) A course for music majors and minors who have had little or no previous piano study. No audition necessary. |
| | 1204. Basic Functional Skills in Piano. (0-2-1) Prerequisite: Music 1203 or placement by audition during enrollment. |
| | 1301. Class Instruction in Strings. (0-2-1) F, S. A study of beginning instrumental technique. |
| | 1302. Class Instruction in Clarinet, Flute and Saxophone. (0-2-1) F, S. A study of beginning instrumental technique. |
| | 1303. Class Instruction in Oboe and Bassoon. (0-2-1) S. A study of beginning instrumental technique. |
| | 1304. Class Instruction in Percussion. (0-2-1) S. A study of beginning instrumental techniques. |
| | 1305. Class Instruction in Trumpet and French Horn. (0-2-1) F, S. A study of beginning instrumental technique. |
| | 1306. Class Instruction in Trombone, Baritone and Tuba. (0-2-1) F. A study of beginning instrumental technique. |
| | 1421. Fundamentals of Music I. (2-1-3) A study of the fundamentals of music including multicultural experiences utilizing music literature appropriate for use in elementary and junior high school classrooms. |
| | 1423. Music for Recreation Majors. (1-2-2) F. Planning and implementing musical experiences in recreation programs. |
| | 1541, 1542. Music Theory and Literature. (3-0-3 each course) F, S. The study of the fundamentals of music and melodic, harmonic and rhythmic materials and how they relate to musical structure of binary, ternary, rondo, and fugue forms; a study of selected examples from music literature is included. Must be taken in sequence. |
| | 1543, 1544. Aural Training in Music. (0-2-1 each course) F, S. The study of notational practice and the development of aural perception through sight singing and dictation. Must be taken in sequence. |
| | 1581. History and Literature of Music I. (3-0-3) S. Music history and literature from the Renaissance through the twentieth century. The study of model scores of each period and application of this knowledge to other works of similar genre. Open only to music majors and minors. Required of music majors. |
| | 2001. (See Fine Arts 2001) |
| | 2002. (See Fine Arts 2002) |
| | 2003. (See Fine Arts 2003) |
| | 2070. Electronic Music Studio Techniques. (2-Arr.-2) Principles and use of electronic music synthesizers, mixers, and tape recorders in the production and shaping of electronic sound. |
| | 2141. Vocal Diction I. (1-1-1) F. The study of vocal diction of English, Italian and Spanish song literature. Prerequisite: Two semesters of Applied Voice or equivalent. |
| | 2142. Vocal Diction II. (1-1-1) S. The study of vocal diction of German and French song literature. Prerequisite: Music 2141. |
| | 2155. Choral Conducting. (2-0-2) F. A course designed to teach the language and gestures of effective directing. Class serves as a laboratory chorus. Prerequisites: Music 1541, 1542; or two hours of Music 1136. |
| | 2201. Class Instruction in Piano. (0-2-1) F, S. A course in recreational piano skills for students with previous piano study. May be repeated once for credit. Not open to music majors. Prerequisite: Music 1202 or placement by audition during enrollment. |
| | 2203. Functional Skills in Piano. (0-2-1) F, S. A course for music majors and minors. Prerequisite: Music 1204 or placement by audition during enrollment. |
| | 2204. Functional Skills in Piano. (0-2-1) F, S. A course for music majors and minors. Prerequisite: Music 2203 or placement by audition during enrollment. |
| | 2205. Keyboard Skills I. (0-2-1) F. A course for keyboard majors or other qualified students to develop functional skills in harmonization, sight-reading, improvisation, and transposition. Prerequisite: Music 1543 or permission of the instructor. |
| | 2206. Keyboard Skills II. (0-2-1) S. Continuation of Music 2205. Prerequisite: Music 2205 or permission of the instructor. |

- 2360. Instrumental Conducting.** (1-1-1) F. An introductory study of baton technique and score reading for instrumental organizations. Prerequisite: Music 1543.
- 2440. Laboratory in Music Education.** (1-Arr.-1) F. Directed observations in all kinds of music learning situations at all grade levels to total ten clock hours. For music majors and minors.
- 2541. Music Theory.** (2-0-2) F. A continuation of the study of musical materials and how they relate to musical structure. Prerequisite: Music 1542.
- 2542. Music Theory.** (3-0-3) S. The study of 20th Century materials and how they relate to musical structure. Prerequisite: Music 2541.
- 2543. Aural Training in Music.** (0-2-1) F, S. A continuation of the study of notational practice and the development of aural perception. Prerequisite: Music 1544.
- 2550. Tape Recording Techniques.** (3-0-3) F, S. A study of concert, studio, and production recording techniques through lecture, observation and recording experience. Prerequisite: Permission of the instructor.
- 2552. Musical Encounters.** (3-0-3) F, S. Listening to music selected to illustrate musical components, approaches to performance, and a variety of musical styles. Emphasis placed upon live performance in class. Not open to music majors and minors. Applies toward both the humanities and the fine arts requirements.
- 2553. Musical Masterworks.** (3-0-3) F, S. The study of a limited number of masterworks selected from various historical periods. Directed listening is emphasized. Not open to music majors or minors. Applies toward both the humanities and the fine arts requirements.
- 2554. The Evolution of Jazz and Rock Music.** (3-0-3) F, S. A survey of American jazz and rock music focusing upon the musical characteristics of the different styles. Representative music from each style will be played and discussed. Open to all students. Applies toward both the humanities and the fine arts requirements.
- 2561. The Music of Black Americans.** (3-0-3) F, S. A course emphasizing Black contributions to American music, including the study of spirituals, jazz, folk, soul, popular, and classical music. Applies only toward the humanities requirement.
- 2563. History and Literature of Music.** (3-0-3) F, S. The development of music from the ancient times through the Baroque. Not open to music majors or minors. Applies only toward the humanities requirement.
- 2564. History and Literature of Music.** (3-0-3) F, S. The development of music from the classical period to the present. Not open to music majors or minors. Applies only toward the humanities requirement.
- 3120. Music Theatre/Opera Workshop.** (0-4-2) F, S. The study and performance of Music Theatre and Opera. May be taken four times for credit. Prerequisite: Permission of the instructor.
- 3136. Class Instruction in Voice.** (0-2-1) The second course of study for keyboard principals in the Vocal Option and others who desire vocal instruction beyond Music 1136. May be repeated three times. Prerequisite: Two hours credit in Music 1136 or equivalent.
- 3155. Choral Techniques and Materials.** (1-1-1) S. A course designed to develop a knowledge of style rehearsal techniques and materials for various vocal ensemble combinations. Class serves as a laboratory chorus. Prerequisite: Music 2155.
- 3221. Piano Pedagogy I.** (2-1-3) F. An introduction to teaching private and group piano lessons. Music and materials from preschool through second year level are surveyed. Observation and guided teaching of a beginner's group is a required part of the course. Prerequisites: Appropriate keyboard background and permission of the instructor.
- 3222. Piano Pedagogy II.** (1-1-2) S. A continuation of Piano Pedagogy I, with emphasis on third year and intermediate level teaching methods and materials. Teaching a pre-college pupil will be a required part of the course. Prerequisite: Music 3221 or permission of the instructor.
- 3260. Instrumental Conducting.** (2-0-2) S. An advanced study of baton technique and score reading for instrumental organizations. Prerequisite: Music 2360.
- 3310. Voice.** (Arr.-Arr.-1, 2 or 4) **3334. Tuba.** (Arr.-Arr.-1, 2 or 4)
- 3320. Flute.** (Arr.-Arr.-1, 2 or 4) **3340. Percussion.** (Arr.-Arr.-1, 2 or 4)
- 3321. Oboe.** (Arr.-Arr.-1, 2 or 4) **3350. Violin.** (Arr.-Arr.-1, 2 or 4)
- 3322. Clarinet.** (Arr.-Arr.-1, 2 or 4) **3351. Viola.** (Arr.-Arr.-1, 2 or 4)
- 3323. Bassoon.** (Arr.-Arr.-1, 2 or 4) **3352. Violoncello.** (Arr.-Arr.-1, 2 or 4)
- 3324. Saxophone.** (Arr.-Arr.-1, 2 or 4) **3353. String Bass.** (Arr.-Arr.-1, 2 or 4)
- 3325. Recorders.** (Arr.-Arr.-1, 2 or 4) **3360. Piano.** (Arr.-Arr.-1, 2 or 4)
- 3330. Trumpet.** (Arr.-Arr.-1, 2 or 4) **3361. Organ.** (Arr.-Arr.-1, 2 or 4)
- 3331. Horn.** (Arr.-Arr.-1, 2 or 4) **3362. Harpsichord.** (Arr.-Arr.-1, 2 or 4)
- 3332. Trombone.** (Arr.-Arr.-1, 2 or 4) **3370. Composition.** (Arr.-Arr.-1, 2 or 4) Prerequisite: Permission of instructor.
- 3333. Baritone.** (Arr.-Arr.-1, 2 or 4)
- 3400. Methods of Teaching Instrumental Music.** (2-2-3) F. Instrumental methods and materials and clinical experiences appropriate for elementary and secondary schools. Ten clock hours of public school observation and participation are required. Prerequisites: Music 2440, Educational Psychology 3325 and Secondary Education 3330. For music majors and minors only.
- 3421. Music in Elementary Schools.** (3-0-3) Contemporary methods and materials of teaching music as aesthetic education in the elementary grades. Topics include Orff, Kodaly, and Music in Special Education considered within a framework of child development. Prerequisite: Music 1421. For elementary education and special education majors.
- 3423. Music in Elementary Schools.** (3-0-3) Contemporary methods and materials of teaching music as aesthetic education in the primary grades. Topics include Orff, Kodaly, and Music in Special Education considered within the framework of child development. Prerequisite: Music 1421. For elementary education majors with early childhood emphasis and special education majors.
- 3435. Music in Special Education.** (3-0-3) Objectives, materials and methods of teaching music in special education. Prerequisite: Music 1421. For special education and elementary education majors.
- 3439. Methods of Teaching Music in Elementary Schools.** (2-2-3) F. Planning and implementing musical experiences in the elementary grades. Topics include Orff, Kodaly, and Music in Special Education considered in the light of contemporary child development theory. On site teaching in the public schools. Prerequisite: Music 2440. For music majors and minors.
- 3440. Methods of Teaching Vocal-General Music in the Secondary Schools.** (1-2-2) S. Methods and materials for teaching vocal, choral and general music in grades 7 through 12. Includes clinical experiences on the secondary level. Prerequisite: Music 2440. For music majors and minors.
- 3542. Music Analysis.** (3-0-3) F, S. The detailed study of a few musical compositions from either the 18th, 19th, or 20th centuries; the specific century to be announced in advance. May be repeated for a maximum of six semester hours credit. Required in all Music Education curricula. May be taken as one of the theory electives (twice, if desired). Prerequisite: Music 2542 or permission of the instructor.
- 3547. Orchestration.** (2-0-2) F. Beginning practical experience in scoring for orchestra.
- 3581. History and Literature of Music II.** (3-0-3) F. Music history and literature from Antiquity through the Baroque. Open only to music majors and minors. Prerequisites: Music 1581 and 2541.
- 3582. History and Literature of Music III.** (3-0-3) F. Music history and literature from the Classic era to the present. Open only to music majors and minors. Prerequisites: Music 1581 and 2541.
- 3850. Jazz Improvisation.** (2-0-2) F. An introduction to the basic improvisational skills of the jazz player, including the practice and study of standard jazz tunes, the blues, modal jazz, jazz scales and analysis of solos by jazz artists. Course may be taken twice for credit. Prerequisite: Music 1542 and 1544 or permission of the instructor.
- 4541. Sixteenth Century Counterpoint.** (2-0-2) S-even-numbered years. A basic study of techniques in polyphonic literature. Includes the styles of Palestrina and the English Madrigalists. Prerequisite: Music 2541.
- 4542. Eighteenth Century Counterpoint.** (2-0-2) S-odd-numbered years. A basic study of contrapuntal harmonic practices, including inventions, canon, fugue, and forms based upon the chorale. Prerequisite: Music 2541.

Applied Study. Auditions are required for initial placement. May be repeated for credit. Music majors may register for one, two, or four semester hours of credit depending on the degree program. Non-music majors may register after receiving permission of the studio instructor. Prerequisite: Completion of Junior Standing Jury.

- 4600. Independent Study.** (Arr.-Arr.-1 to 3) Independent pursuit of a study or research project. Outline for student's plan of work must be submitted to chairperson, Department of Music, for approval and instructor assignment. The course may be repeated to a maximum of six semester hours.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Choral Arranging.** (2-0-2) S. A practical approach to developing skill in scoring and arranging for various vocal ensemble combinations. Prerequisite: Three semesters of music theory.
- 4770. Song Literature.** (2-0-2) F-odd-numbered years. The study of solo song literature from the Renaissance period to the present. May be taken twice for credit.
- 4840. Band Arranging.** (2-0-2) S. A course in scoring and arranging materials for instrumental ensembles.
- 4850. Jazz Band Arranging.** (2-0-2) S. A course dealing with the basic problems and techniques involved in arranging for a jazz band. Prerequisite: Music 2543 or equivalent.
- 4860. Marching Band Procedure.** (2-0-2) F. Rudiments of marching band pageantry, and field maneuvers.
- 4870. Style Period Proseminar.** (3-0-3) Stylistic study of the music of a period pre-selected from the following: 1) Middle Ages; 2) Renaissance; 3) Baroque; 4) Rococo-Classical; 5) Romantic; and 6) Twentieth Century. May be repeated for a maximum of 18 semester hours of undergraduate credit or nine semester hours of graduate credit. Prerequisite or corequisite: Music.
- 4920. Keyboard Literature.** (3-0-3) S. A study of selected literature. May be taken twice for credit.
- 4950. Accompanying.** (Arr.-Arr.-1) S-even-number years. Vocal and instrumental accompanying techniques combined with practical application. May be substituted by keyboard principals and primaries for one hour of large ensemble. Prerequisite: Junior level or permission of the instructor.
- 4990. Workshop in Music.** (Arr.-Arr.-1 to 3) Su. Literature theory, techniques, pedagogy, and/or style in various media. Provided a student does not repeat courses with same content, he/she may earn a maximum of eight semester hours credit.
- 5532. Trombone.** (Arr.-Arr.-1, 2 or 4)
- 5533. Baritone.** (Arr.-Arr.-1, 2 or 4)
- 5570. Composition.** (Arr.-Arr.-1, 2 or 4)
- 5700. Internship in Music Instruction I.** (3) Philosophical and pedagogical principles for teaching voice, piano, and other instruments in both class and individual lessons. Observations and teaching under supervision of college faculty.
- 5701. Advanced Internship in Music Instruction II.** (3) Advanced instruction in teaching voice, piano, and other instruments in class and individual instruction. Prerequisite: Music 5700.
- 5855. Advanced Choral Conducting.** (3) A study designed to assist the choral conductor in: a) development of the choral instrument, b) preparation of the choral score, c) understanding performance practices, and d) rehearsing the ensemble efficiently in pursuit of artistic goals. Prerequisite: Music 3155 or equivalent.
- 5860. Advanced Instrumental Conducting.** (3) The course is designed to prepare the graduate instrumental conductor in the following areas: a) development of the instrumental ensemble, b) interpretation of the score, c) problems unique to the band and to orchestra, and d) efficient preparation and performance of the ensemble. Prerequisite: Music 3260 or equivalent.
- 5880. Seminar in Music History.** (3) Su, S. Intensive study of selected historical topics.
- 5950. Thesis.** (3 to 6) *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study.** (1 to 6) Student must submit outline of his/her plan of work to the chairperson of the Department of Music for approval and assignment to an instructor. *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

OCCUPATIONAL EDUCATION

Undergraduate Courses

- 3200. Occupational Experience.** (Up to 30 sem. hrs.) Credit for documented experience in a teachable occupation or cluster of occupations. This is the designation for occupational credit earned or awarded for occupational proficiency.
- 3300. Occupational Subjects.** (Up to 20 sem. hrs.) Credit is evaluated for occupational study in accredited and selected other programs such as technical institutes, occupational programs in junior colleges, proprietary schools, military technical schools, USAFI, Service Schools, and other Armed Services courses.
- 4275. Occupational Internship.** (Arr.-Arr.-1-15 sem. hrs.) (Credit/No Credit). Experience includes job skills and knowledge, management-worker relations, supervised instruction conferences and evaluations. One semester hour a semester up to a maximum of 15 semester hours will be awarded for directed work experience internships.
- 4300. Special Study in Occupational Education.** (Arr.-Arr.-3) Provides opportunity for in-depth study of selected problems in occupational education for which there is not an established course. May be taken for credit only once. Prerequisites: Prior approval by the Director and assignment of an appropriate instructor.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5100 (5900). Introduction to Research in Music.** (3) F. An introduction to the various aspects of the musical discipline, intended to enable the student to think, research, and write intelligently about his/her field.
- 5120. Music Theatre/Opera Workshop.** (2) The study and performance of Music Theatre and Opera. Prerequisite: Permission of the instructor.
- 5170. Analytical Techniques.** (3) F. An investigation of structure, stylistic characteristics and compositional techniques.
- 5500. Ensemble.** (1) To be chosen from Band (001), Orchestra (002), Jazz Ensemble (003), Chorus (004), Chamber Ensemble (005). May be repeated for a total of four semester hours credit.

Applied Study. Auditions are required for initial placement. May be repeated for credit. Music majors may register for one, two, or four semester hours of credit depending on the degree program.

- 5510. Voice.** (Arr.-Arr.-1, 2 or 4)
- 5520. Flute.** (Arr.-Arr.-1, 2 or 4)
- 5521. Oboe.** (Arr.-Arr.-1, 2 or 4)
- 5522. Clarinet.** (Arr.-Arr.-1, 2 or 4)
- 5523. Bassoon.** (Arr.-Arr.-1, 2 or 4)
- 5524. Saxophone.** (Arr.-Arr.-1, 2 or 4)
- 5525. Recorders.** (Arr.-Arr.-1, 2 or 4)
- 5530. Trumpet.** (Arr.-Arr.-1, 2 or 4)
- 5531. Horn.** (Arr.-Arr.-1, 2 or 4)
- 5534. Tuba.** (Arr.-Arr.-1, 2 or 4)
- 5540. Percussion.** (Arr.-Arr.-1, 2 or 4)
- 5550. Violin.** (Arr.-Arr.-1, 2 or 4)
- 5551. Viola.** (Arr.-Arr.-1, 2 or 4)
- 5552. Violoncello.** (Arr.-Arr.-1, 2 or 4)
- 5553. String Bass.** (Arr.-Arr.-1, 2 or 4)
- 5560. Piano.** (Arr.-Arr.-1, 2 or 4)
- 5561. Organ.** (Arr.-Arr.-1, 2 or 4)
- 5562. Harpsichord.** (Arr.-Arr.-1, 2 or 4)

Courses Open To Juniors, Seniors, and Graduate Students

- 4800. Strategies and Processes in Occupational Education.** (3-0-3) Application of such teaching strategies as problem-solving, simulation, programmed instruction, computerized instruction and innovative and emerging methods and materials suitable for vocational teachers.
- 4810. Principles of Career Development.** (3-0-3) The nature, purpose, and philosophy of career education as it relates to the career development of individuals. Includes an overview of various levels of career development and the contributions various programs make to a total program of career development. Contemporary problems and issues in career development.
- 4913. Organization and Administration of Cooperative Occupational Education.** (3-0-3) Introduction to Occupational Cooperative Education including determining the need for, types of, establishing programs, determining resources and constraints, public relations and policy development.

4923. **Coordination Techniques for Cooperative Occupational Education.** (3-0-3) To prepare teacher-coordinators for their role. Emphasis on student selection, training agreements and plans, sponsor development, related class management, on-the-job problems, and individualized learning activities.

PHILOSOPHY

Penn, S.L., Chairperson, Barford, Kim, Taylor, F.S.

Note: Philosophy 1800, Philosophy 2000 or Philosophy 3000 is recommended as the most appropriate choice for students who elect a single course in philosophy. As introductory treatments of the techniques and issues of philosophic inquiry, Philosophy 1800 focuses attention on representative problems without reference to historical perspective, whereas Philosophy 2000 explores a range of problems in an historical context. While both these courses deal mainly with the traditional problems of philosophy, Philosophy 3000 examines various contemporary ideas and issues in a philosophical perspective. If a student anticipates the election of more than one of the history courses, it would be advisable to schedule them in the order of their historical sequence.

Note also that all philosophy courses numbered below 4000 count toward satisfying the Humanities Requirement.

Undergraduate Courses

1800. **Problems of Philosophy.** (3-0-3) An introduction to philosophic inquiry through analysis of selected problems: Knowledge, Value, Religion, and Alternative World Views.
1900. **Logic.** (3-0-3) An introduction to the principles of sound reasoning: logic and language, deductive and formal logic, empirical scientific methodology.
2000. (3200) **Socrates, Plato, and Aristotle.** (3-0-3) F. An introductory historical approach to the ideas of Socrates, Plato, Aristotle and selected early Greek philosophers: Platonic love, the ideal state (Utopia), the Golden Mean.
2010. **Eastern Philosophies.** (3-0-3) F-even-numbered years. An introduction to the traditional philosophical-religious ideas of the life and culture of China, India, and Japan.
3000. **Philosophy and Current Issues.** (3-0-3) Philosophical examination of some important contemporary ideas and current issues of life and society. Topics such as Man, Love, Nature, Science, Alienation, Justice, Revolution, War, and Peace.
3020. **Ethics.** (3-0-3) S. Analysis and evaluation of principle theories and problems concerning Right, Good and validity of moral standards and moral conduct.
3030. **Science and Human Values.** (3-0-3) F-odd-numbered years. An introductory examination of the character of scientific inquiry and its impact on religion, moral and political values.
3040. **Philosophy of Art.** (3-0-3) F-even-numbered years. A critical examination of aesthetic experience and fine art: artistic creativity, the work of art, and criteria of judgment.
3060. **Philosophical Ideas in Literature.** (3-0-3) F-odd-numbered years. Study of philosophical problems such as God, love, personal identity, alienation, and freedom in literature.
3070. **Existentialism.** (3-0-3) S-even-numbered years. Examination of such thinkers as Kierkegaard, Nietzsche, Heidegger, Tillich, and Sartre.
3220. **History of Philosophy: Medieval.** (3-0-3) F. An examination of the principal philosophers from Epicurus through St. Thomas Aquinas.
3260. **History of Philosophy: Modern.** (3-0-3) S-even-numbered years. Philosophic thought from Galileo to Kant; the foundations of modern science and implications for religious, moral, and political theory.
3280. **Nineteenth Century Philosophy.** (3-0-3) F-even-numbered years. A study of the principal philosophers of the Nineteenth Century such as Hegel, Nietzsche, Kierkegaard, Mill and Marx.
- 3290 (3260H). **History of Modern Philosophy for Honors Students.** (3-0-3) S-odd-numbered years. Examination of the philosophical foundations of modern thought, emphasizing the critical role of the scientific revolution of the 16th century and the corresponding need for a new philosophical synthesis in the areas of metaphysics and epistemology especially, and also in politics, ethics, and aesthetics.
3300. **Social and Political Philosophy.** (3-0-3) S-odd-numbered years. A philosophical examination of man in society, the foundations of social and political institutions, and the nature of political obligation.

3500. **Karl Marx and Marxism.** (3-0-3) S. Examination of the philosophical foundations of Marxism, its theory of man and history, the social and political theory, and the interpretation of Marxism in Russia, Europe, and the East.
3700. **Humanity and Culture.** (3-0-3) F. Critical examination of elements of culture: traditional, technological, and spiritual. Special attention to different stages of Western civilization. Dehumanization in technological civilization. Human prospects.
3900. **Philosophy of Religion.** (3-0-3) F. A philosophical interpretation of religion, religious experience, and fundamental problems: God, evil, immortality, religious knowledge.
4400. **Independent Study.** (Arr.-Arr.-3) Intensive individual study on a topic in philosophy selected by student under supervision of instructor. Prerequisites: Nine semester hours in philosophy and approval of the department chairperson.
4480. **Seminar.** (3-0-3) S. Advanced study of selected problems, topics, or philosophers. Prerequisite: Nine semester hours in philosophy and permission of the instructor. May be taken twice for credit with permission of the department chairperson.

PHYSICAL EDUCATION

Ankenbrand, L., Chairperson, Akers, Aten, Birkhead, Buckellew, W., Bye, Chambers, Church, P., Craft, Croissant, D'Abbasio, David, Doyle, R., Edlund, Elmore, Fisher, Flaugh, Flower, Gossett, G., Harris, Hart, Herd, Hilke, Hurst, Hussey, Hutchinson, Katsimpalis, Kuhlman, McCabe, W., McCausland, McFarland, Molde, Moore, N., Mosnia, Muller, Nordvedt, Paap, Padovan, Pinther, Pos, Ralston, Sanders, J.W., Schaefer, Schmidt, Stoughton, Swisher, Weber, Whaley, Woodall, Yu.

Non-physical education majors may elect four semester hours of physical education service course credit toward graduation. Physical education majors and minors and recreation majors may have six semester hours of credit in physical education service courses. Physical education and recreation majors do not have the Credit/No Credit option for one-semester-hour activity courses.

Service Courses

- +0020. **Baseball (Intercollegiate Team Participation).** (0-10-1) S.
- *0030. **Basketball (Intercollegiate Team Participation).** (0-10-1) F, S.
- +0050. **Soccer (Intercollegiate Team Participation).** (0-10-1) F.
- +0060. **Volleyball (Intercollegiate Team Participation).** (0-10-1) F.
- +0090. **Football (Intercollegiate Team Participation).** (0-10-1) F, S.
- +0100. **Softball (Intercollegiate Team Participation).** (0-10-1) S.
- *0120. **Golf (Intercollegiate Team Participation).** (0-10-1) F, S.
- *0140. **Tennis (Intercollegiate Team Participation).** (0-10-1) F, S.
- *0150. **Wrestling (Intercollegiate Team Participation).** (0-10-1) F, S.
- *0160. **Cross Country and Track (Intercollegiate Team Participation).** (0-10-1) F, S.
- *0180. **Swimming (Intercollegiate Team Participation).** (0-10-1) F, S.
- +1000. **Physical Development.** (0-2-1) F, S.
1010. **Prescribed Activities.** (0-2-1) The course is designed to give prescribed activities to those students where adaptive or corrective physical education is desired. Prerequisite: This is an elective course that requires permission from the University Health Service for participation.
1400. **Swimming (Beginning).** (0-2-1) For beginning swimmers only. Persons able to swim 45 feet should enroll in Physical Education 1410.
1410. **Swimming (Intermediate).** (0-2-1) F, S.
1420. **Advanced Life Saving.** (0-2-1) F, S. Prerequisite: Physical Education 1410 or demonstrate level of ability by passing a pre-test.

Note: Any repeats of the courses (* and +) would not count in meeting the minimum 120 semester hours for graduation. Majors outside the School of Health, Physical Education and Recreation may count no more than four physical education service courses toward the 120-hour requirement.

*May repeat, with credit, for a maximum of eight times.
+May repeat, with credit for a maximum of four times.

1460. **Water Safety Instruction.** (0-2-1) F, S. Prerequisite: A student must have passed Physical Education 1420 or have a recently-earned Senior Life Saving Certificate issued by the American Red Cross.
1480. **Canoeing.** (0-2-1) F. Prerequisite: Demonstrate level of swimming ability by passing a pre-test.
1490. **Sailing.** (0-2-1) F.
1600. **Weight Training.** (0-2-1)
1610. **Archery.** (0-2-1) F.
1640. **Rifle and Pistol.** (0-2-1) F, S.
1650. **Trap and Skeet.** (0-2-1) F. Fee.
1660. **Bowling.** (0-2-1) Fee.
1670. **Golf.** (0-2-1)
1680. **Stunts and Tumbling.** (0-2-1) F.
1681. **Gymnastics Apparatus.** (0-2-1) S.
1690. **Track and Field.** (0-2-1) S.
1691. **Jogging.** (0-2-1) F, S.
1692. **Aerobic Exercise.** (0-2-1) F, S. Designed to introduce students to the fundamental of aerobic exercise which is accompanied with music and which promotes an understanding of personal physical fitness.
1720. **Basketball.** (0-2-1) F, S.
1740. **Soccer.** (0-2-1) F.
1750. **Softball.** (0-2-1) F.
1770. **Volleyball.** (0-2-1) F.
1780. **Flag Football.** (0-2-1) F.
1810. **Badminton.** (0-2-1) F, S.
1830. **Racquetball.** (0-2-1)
1850. **Self Defense.** (0-2-1) F, S. The course is designed to introduce students to the art of self defense.
1860. **Beginning Karate.** (0-2-1) F, S.
1870. **Tennis.** (0-2-1)
1880. **Fencing.** (0-2-1) F, S.
1900. **Folk Dance.** (0-2-1) F.
1910. **Modern Dance.** (0-2-1) F, S. Fundamentals of modern dance as an art form.
1920. **Ballroom Dance.** (0-2-1) F, S.
1930. **Square Dance.** (0-2-1) F, S.
1940. **Jazz Dance.** (0-2-1) F, S. Fundamentals of jazz dance techniques.
1950. **Tap Dance.** (0-2-1) F. A course designed to introduce students to the fundamentals of tap dance techniques.
2660. **Bowling (Advanced).** (0-2-1) F. Fee.
2000. **Technique and Practice of Teaching Physical Education Activities.** (0-2-1) F, S. An introduction to the techniques of teaching physical education through observation and participation. A minimum of 21 clock hours will be spent in a pre-clinical teaching experience.
2101. **Technique and Theory of Badminton and Tennis.** (0-4-2) F. The development of basic skills and techniques of badminton and tennis.
2102. **Technique and Theory of Golf and Bowling.** (0-4-2) F. The development of basic skills and techniques of golf and bowling.
2103. **Technique and Theory of Track and Field and Weight Training.** (0-4-2) S. The development of basic skills of track, field, and weight training.
2105. (2320). **Techniques and Analysis of Stunts, Tumbling and Gymnastics.** (0-4-2) F, S. Participation in various phases of gymnastics and emphasis on analyses and uses of activities in teaching and recreation.
2106. **Technique and Theory of Games of Low Organization.** (0-4-2) F, S. Introduction to individual, dual, combative, and large group activities of low organization of recreational nature considered as enrichment activities for junior and senior high school physical education.
2130. **Athletic Training Practicum.** (0-5-1) F, S. Practical experience in athletic training procedures. May be taken for a maximum of six semester hours. Prerequisite: Physical Education 1130.
2131. **Therapeutic Modalities.** (2-0-2) F-odd-numbered years. A study of the physical principles, physiological effects, indications, contraindications, and standard operating procedures of all therapeutic modalities commonly used in sports medicine.
2132. **Therapeutic Exercise.** (2-0-2) F-even-numbered years. A study of indications, contraindications, physiological effects, special programs, resistance methods, and prescription relating therapeutic and injury preventive exercise.
2144. **Technique and Theory of Scuba Diving.** (1-2-2) F, S. The course is designed to develop skills in skin and scuba diving through the use of drills and practical application of diving techniques. A portion of the course deals with lecture material directly related to the safety aspects of diving. Fee
2220. **Technique and Theory of Folk, Square, and Ballroom Dance I.** (0-4-2) F, S. Basic techniques and skills in folk, square and ballroom dance.
2230. **Technique and Theory of Modern Dance I.** (0-4-2) F, S. An introduction to an American dance art form. The techniques and the philosophy on which they are based are explored in a studio setting. May be used as partial fulfillment of the fine arts and humanities requirements.
2240. **Theory and Composition of Modern Dance.** (0-4-2) F, S. Explores and applies the elements of time, space, and energy release to compositional form. Prerequisite: Physical Education 1910 or 2230. May be used as partial fulfillment of the fine arts and humanities requirements.
2260. **Technique and Theory of Ballet.** (0-4-2) F. A course with emphasis on beginning classical ballet techniques.
2270. **History and Philosophy of Dance.** (3-0-3) F. A survey of Western theatre dance from the 15th century to the present. Emphasis will be on the development of the ballet and modern dance forms. May be used as partial fulfillment of the humanities requirement.
2360. **Techniques and Theory of Softball and Volleyball.** (0-4-2) S. The development of basic game skills, strategies and techniques in softball and volleyball.
2380. **Technique and Theory of Flag Football and Basketball.** (0-4-2) S. The development of basic game skills, strategies and techniques in basketball and flag football.
- 2390 (2104). **Technique and Theory of Soccer/Speedball, and Modified Team Sports.** (0-4-2) F. Instruction in the techniques, theory, and game procedures in soccer, speedball, and modified team sports.
2410. **Physical Education for Elementary Children.** (3-0-3) F, S. An introductory course in elementary physical education. A minimum of 10 clock hours of pre-clinical experience required.
2440. **Kinesiology.** (4-0-4) The study of basic human anatomy, muscle actions, and laws of physics as used in the performance of sport skills.
2450. **Physical Education for Exceptional Individuals.** (3-0-3) F, S. An introduction to various conditions and activity programs, suitable to the needs of exceptional individuals.

Non-Credit Intercollegiate Sports

0750. **Fall Softball.** (5-0-0) F.
0830. **Fall Baseball.** (5-0-0) F.
0990. **Spring Football.** (5-0-0) S.

Undergraduate Professional Courses

1130. **Introduction to Athletic Training.** (0-4-2) F. Laboratory experiences designed to introduce basic athletic training skills and procedures.
1500. **Physical Education as a Profession.** (2-0-2) F, S. An introductory professional course which includes the general scope, purpose, history, growth and development, and career assessment of physical education.
1520. **Theory of Motor Learning.** (2-0-2) F, S. A study of the learning process with emphasis on learning of motor skills and recent research in motor learning.

- 2701. Football Officiating. (1-1-1) F.** The course is designed to acquaint students with the rules and mechanics of officiating football and flag football.
- 2702. Basketball Officiating. (1-1-1) F.** The course is designed to acquaint students with the rules and mechanics of officiating men's and women's basketball.
- 2705. Softball and Baseball Umpiring. (1-1-1) S.** The course is designed to acquaint students with the rules and mechanics of umpiring softball and baseball.
- 2707. Volleyball Officiating. (1-1-1) F.** The course is designed to acquaint students with the rules and mechanics of officiating volleyball.
- 2960. Aesthetics of the Dance. (3-0-3) S.** A study of dance as a created, performed, perceived art with discussion of aesthetic principles and stylistic approaches as they relate to dance as an art experience. May be used as partial fulfillment of the fine arts and humanities requirements.
- 3130. Basic Care and Prevention of Athletic Injuries. (3-0-3)** Primary causes of injuries; analysis of preventive measures; care of injuries in relation to type of tissue involved.
- 3131. Injury Recognition. (2-0-2) S-even-numbered years.** A study of the relationship of various anatomical structures, stress tests, and functional tests to different aspects of sports medicine trauma. Prerequisite: Zoology 2000 or permission of the instructor.
- 3132. Seminar in Sports Medicine. (2-0-2) S-odd-numbered years.** Seminar approach to relate athletic training skills to the entire sports medicine field. Prerequisite: Physical Education 1130.
- 3200. Teaching of Dance. (3-0-3) F.** Materials and methods for teaching modern, folk, square and ballroom dance. Prerequisites: Two of the following: Physical Education 1900, 1920, 1930, 2220, 2230.
- 3230. Technique and Theory of Modern Dance II. (0-4-2) S.** A continuation of Physical Education 2230, placing emphasis on intermediate level techniques and the application of interdisciplinary concepts/principles to modern dance. Prerequisite: Physical Education 2230 or permission of instructor.
- 3330. Badminton and Tennis and Coaching. (2-2-3) S.** A study of analyses of skills and methods of teaching badminton and tennis. Prerequisites: Physical Education 1810 and 1870.
- 3350. Swimming Coaching. (2-1-2) F.** Emphasis on mechanical principles of swimming and diving and methods of coaching. Prerequisite: Equivalency of Physical Education 1410 or permission of the instructor.
- 3400. Methods of Teaching Physical Education. (3-0-3)** Techniques and methods of teaching students in the area of physical education. Thirty clock hours minimum of pre-clinical experience required. Prerequisites: Educational Psychology 3325 and Secondary Education 3330.
- 3460. Soccer Coaching. (2-1-2) S.** A course which includes offensive and defensive styles of play, fundamental skills, individual and team play, and rules and strategy of soccer. Prerequisite: Previous background or permission of the instructor.
- 3470. Basketball Coaching. (2-2-3) F.** Offensive and defensive styles of play; fundamentals; individual and team play; rules and strategy; conduct of tournament play. Prerequisite: Previous background or permission of instructor.
- 3480. Football Coaching. (2-2-3) S.** Fundamentals of football including blocking, tackling, passing, kicking, offensive and defensive line and backfield play; conditioning; rules and strategy. Prerequisite: Previous background or permission of instructor.
- 3490. Track and Field Coaching. (2-2-3) S.** Fundamentals of track and field events. Organization of track meets. Study of rules and strategy. Prerequisite: Previous background or permission of instructor.
- 3500. Baseball Coaching. (2-1-2) F.** This course is designed to provide the student with the knowledge and skills to coach baseball. Emphasis is placed upon coaching methods and techniques, formulation of practice plans, offensive and defensive team strategy, and in-depth study of baseball rules. Prerequisite: Permission of the instructor.
- 3550. Wrestling Coaching. (2-1-2) F.** Theory and application of wrestling maneuvers; rules, conditioning, training. Prerequisite: Previous experience or permission of the instructor.
- 3600. Introduction to Elementary School Physical Education. (0-4-2)** Physical education as it relates to the total education of the elementary school child with emphasis on the developmental approach.
- 3610. Game Activities for Elementary Schools. (3-0-3) F.** Body mechanics and games; emphasis is on the analysis of and practice in such basic skills as throwing, catching, dodging, striking an object. Prerequisite: Physical Education 2410 or 3600.
- 3620. Rhythmical Activities for Elementary Schools. (3-0-3) S.** Dance and creative rhythms; emphasis is on basic locomotor and axial skills in movement as well as the specific skills in folk and square dance. Prerequisite: Physical Education 2410 or 3600.
- 3630. Tumbling and Apparatus Activities for Elementary Schools. (3-0-3) S.** A study of tumbling and apparatus in the elementary school curriculum. Spotting techniques in mat and apparatus work are stressed. Prerequisite: Physical Education 2410 or 3600.
- 3700. Psychological Foundations of Coaching. (2-0-2) F.** The course is designed to provide the prospective athletic coach with an understanding of the principles of psychology as they apply to coaching. Prerequisite: Psychology 2310.
- 3750. Softball Coaching. (2-1-2) F.** Fundamentals of advanced skills and strategies of softball with emphasis on teaching and coaching techniques to be used at various levels of game play. Prerequisite: Previous background or permission of the instructor.
- 3770. Volleyball Coaching. (2-1-2) F.** Fundamentals of advanced skills and strategies of volleyball with emphasis on teaching and coaching techniques to be used at various levels of game play. Prerequisite: Previous experience or permission of instructor.
- 4320. Organization, Administration and Supervision of Physical Education. (3-0-3)**
- 4340. Principles of Exercise Physiology. (3-0-3)** The course is designed to provide the prospective physical educator and paramedical personnel with an understanding of the physiological factors which affect human performance. Prerequisites: Physical Education 2440 and Zoology 2999.
- 4741. Independent Study. (Arr.-Arr.-1-3) Note:** May be repeated; the maximum amount of credit which may be earned is six semester hours.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Measurement and Evaluation in Physical Education. (3-0-3)** Selection and administration of physical measurements and written tests commonly used in physical education.
- 4820 (Recreation 4800). School Recreation and Intramural Sports. (2-2-3) Su.** The philosophy of intramurals and school recreation dealing with the functions and techniques of administrative personnel including scheduling and programming of a variety of school recreational activities. Practical experience is provided. Credit not granted for both Physical Education 4820 and Recreation 4820.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5000. Research Methods in Health, Physical Education and Recreation. (3) Su, F.** An exposure to various types of research methods in related subject areas, a critical evaluation of selected studies, and writing the research report.
- 5001. Analysis and Interpretation of Statistical Data in Health, Physical Education and Recreation. (2) F.** This course is designed to provide the graduate student with basic tools useful in the planning, design and evaluation of studies in Health, Physical Education and Recreation. Prerequisite: Physical Education 4750 or equivalent. May be taken concurrently.
- 5100. Supervision of Physical Education. (2) S-odd-numbered years.** This course is designed to train students in the various techniques of supervision and to provide them with the basic skills necessary to become effective physical education supervisors.
- 5120. Social Psychology and Physical Activity. (3) F.** Study of psychological theories, influence of an audience, the use of social reinforcement, the influence of a model, the impact of competition, personality, attitudes and aggression in physical activity.
- 5131. Lower Extremity and Specific Injury Problems. (3) On demand.** Lecture and seminar approach to investigate sports medicine problems relating to lower extremity and specific injuries. Material will be presented from the perspective of coaching problems in these areas.

- 5134. Injury Recognition with Head, Neck, and Upper Extremity Problems.** (3) On demand. Lecture and seminar approach to investigating sports medicine problems relating to the injury recognition, head, neck, and upper extremity injuries. Material will be presented from the perspective of coaching problems in these areas.
- 5137. Therapeutic Modalities and Nutrition.** (3) On demand. Lecture and seminar approach to investigating sports medicine problems relating to therapeutic modalities and nutrition.
- 5140. Current Trends in the Teaching of Physical Education in the Elementary and Junior High School.** (3) F-odd-numbered years. Materials organization and program of physical education. Integration of physical education with general education.
- 5190. Growth and Development through Physical Education.** (2) S-odd-numbered years. Survey of growth and development of children and adolescents as these relate to curriculum planning for physical education.
- 5200. Course of Study Development in Physical Education.** (3) Su, S. Principles and methods; different psychological and educational points of view; organizing a course of study, making units of instruction.
- 5210. Administration of Interscholastic Athletics.** (2) S. Organization and control of interschool athletics at the national, state, and local levels. Staff; programs, budget; health and safety; facilities.
- 5220. Organization and Administration of Physical Fitness and Cardiac Rehabilitation Programs.** (2) Su. The course is designed to provide the student with organizational and administrative direction in planning and implementing adult fitness and cardiac rehabilitation programs.
- 5230. Physiology of Exercise.** (3) S, Su-even-numbered years. A study of the immediate and long range effects of muscular activity upon the respiratory, circulatory, and muscular systems. Prerequisite: Zoology 2999 or equivalent.
- 5240. Physical Education for the Atypical Individual.** (2) F-even-numbered years. Survey of human physical disabilities combined with adaptive and rehabilitative measures to promote better living for the individual.
- 5250. Exercise Electrocardiography.** (3) S. The course is designed to instruct the student in the basics of the normal and the abnormal resting and exercise electrocardiogram. Involves lecture experiences and intensive investigation of documented ECG-GXT case studies. Prerequisites: One course in Exercise Physiology and permission of the instructor.
- 5300. Advanced Administration of Physical Education in Schools.** (2) F, Su. Liability; construction of facilities; purchase and care of athletic equipment; budget and finance; evaluative procedures; general administrative control; leadership; public relations.
- 5450 (5650). Supervisory Experiences in Adult Fitness.** (3) The course is designed to provide the student with practical experience in supervising the testing and exercise sessions in an adult fitness program at Eastern Illinois University. Prerequisite: One course in Exercise Physiology, CPR certified, and permission of the instructor.
- 5570. Analysis of Human Motion.** (3) F-odd-numbered years. Study of mechanical principles as they relate to body movement, and of body structure and function as they relate to human motion. Prerequisite: Physical Education 2440.
- 5600. Advanced Theory and Analysis of Team Sports.** (2) S-odd-numbered years. Study of techniques, organization and team strategy of selected team sports as they relate to the learner in the physical education program. Prerequisite: Proficiency in the selected sports.
- 5610. Advanced Theory and Analysis of Individual Sports.** (2) S-even-numbered years. Study of techniques, organization and game strategy selected in individual sports as they relate to the learner in the physical education program. Prerequisite: Proficiency in the selected sports.
- 5630. Philosophy of Physical Education.** (3) Su-odd-numbered years. Study of principles of physical education with application to current problems in the field.
- 5640. Graded Exercise Testing and Exercise Prescription for the Apparently Healthy and the Cardiac Patient.** (3) F, Su. The course is designed to examine the theoretical and practical aspects of cardiovascular testing devices and their protocols. In addition, classic techniques in exercise prescription will be investigated and implemented in real life situations. Prerequisites: One course in Exercise Physiology, Physical Education 5250, and permission of the instructor.
- 5655. Supervisory Experiences in Cardiac Rehabilitation.** (3) The course is designed to provide the student with observation and practical experience involving the Cardiac Rehabilitation Program at Sarah Bush Lincoln Health Center and Eastern Illinois University. Prerequisites: Physical Education 5250, 5450, CPR certified, and permission of the instructor.
- 5700. Advanced Measurement and Evaluation.** (3) F, Su-odd-numbered years. Techniques and procedures employed in obtaining anthropometric, metabolic, cardiorespiratory and other physiological data in laboratory and field environments.
- 5710. Sociological Bases of Sport in America.** (3) S-odd-numbered years. The role of sport in American culture. Influence of basic social units, fundamental social processes and social values on sport in America.
- 5730. The Nature and Bases of Motor Behavior.** (3) S. A study of the factors influencing human movement and skill learning. Emphasis is placed upon the input-output aspects of motor skill performance.
- 5750. Special Problems in Gerontology.** (1) A study of problems of the elderly with variable course content. Prerequisite: Permission of the instructor. May be repeated for a maximum of three semester hours.
- 5800. Analytical Readings in Health, Physical Education and Recreation.** (3) F-even-numbered years. Assigned readings in professional publications for education and health and physical education articles.
- 5901. Seminar in Health, Physical Education, Recreation, and Sports.** (1) F, S. Discussion of reports, current problems, trends and research. Required for candidates for the M.S. in physical education.
- 5950. Thesis.** (3 to 6) Note: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study.** (1 to 6) Individual pursuit of study selected by the student. Note: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.
- 5991, 5992. Internship in Sports Administration.** (3 each) A supervised experience in the various aspects of sports administration. Student will be assigned to a hosting agency which could be a school or college; a sports arena, stadium, recreation area, or a professional team.
- 5993. Field Experience.** (3) An individualized planned work experience in an agency or institution appropriate to the student's area of specialization in gerontology. May be taken for a maximum of six semester hours.

PHYSICAL SCIENCE

Undergraduate Courses

- 3400. Methods of Teaching Physical Sciences.** (3-0-3) F. Science lesson presentations, and examination of current literature concerning new approaches in teaching chemistry and physics. Thirty clock hours in pre-student teaching are included. Prerequisites: Educational Psychology 3325 and Secondary Education 3330. ASEP students satisfy prerequisites with Secondary Education 3000.
- 3950. Energy Science.** (3-0-3) S. A course taught jointly by the Departments of Chemistry and Physics and designed for majors in the Energy Management Program. Topics covered include the conversion, distribution and storage of energy, concomitant environmental problems, and methods of energy conservation. Prerequisites: One year of college-level physics; one year of college-level chemistry; differential and integral calculus.

Graduate Courses

Courses in chemistry and physics are used for the M.S. in Education degree in Physical Science. See Chemistry and Physics.

PHYSICS

Butler, W.A., Chairperson, Aldinger, Breig, Cloud, Davis, A.D., Eisenhour, Gardner, Miller, C., Nienaber, Smith, P.S., Storm, Waddell, R.C., Whalin.

Physics 1050 is a one semester course covering topics of contemporary interest for the non-science oriented students. It is especially appropriate for use in the Mathematics-Science General Education requirement.

Physics 1350, 1360, and 1370 constitute the standard introductory sequence in physics for majors and minors in chemistry, physics, industrial technology, and pre-engineering. Physics 1150 and 1160 are intended primarily for geology and life science majors, students in the health professions (pre-medical, etc.) and others desiring a full year cultural exposure to physics in a course with less technical emphasis than the 1300 series. Students planning to enter graduate programs which require a year of physics should take Physics 1150 and 1160, or 1350 and 1360.

Undergraduate Courses

- 1050. Adventures in Physics. (3-2-4)** Contemporary physics emphasizing the relevance of physics in today's world. Topics such as atomic and solar energy, light, photography, the physics of music, space, travel and relativity are developed on a foundation of basic physics concepts. No prerequisite. No credit for a student who has had a previous course in college physics except for Physics 1054.
- 1054. Descriptive Astronomy. (2-2-3)** An introduction to: the solar system, stars, starlight, interstellar material, galaxies, evolution of stars and galaxies. Open to all students. Does not count towards a physics major or minor.
- 1150. Principles of Physics I. (3-2-4)** Motion, Newton's Laws, Energy Momentum, Gravity and Heat. The first of a two-semester sequence structured for students in geology, life sciences, the health professions, etc. Credit not given for both 1150 and 1350.
- 1160. Principles of Physics II. (3-2-4)** Electricity and Magnetism, Light, Sound and Atomic Physics. Prerequisite: Physics 1150 or permission of the instructor. Not intended for physics majors, chemistry majors, or pre-engineering students. Credit not given for both 1160 and 1360.
- 1210. Acoustics. (2-2-3)** S. Sound and acoustics as applied to architecture, music, and speech.
- 1350. General Physics I. (3-3-4)** Statics, dynamics, simple harmonic motion, and relativistic mechanics. The first of a three-semester sequence structured for students in chemistry, engineering, mathematics, physics, etc. Corequisite: Mathematics 2110 or 2351. Credit not given for both 1350 and 1150.
- 1360. General Physics II. (3-3-4)** Thermodynamics, electricity and magnetism. Prerequisite: Physics 1350 or permission of instructor. Credit not given for both 1360 and 1160. Corequisite: Mathematics 2110 or 2352 & 2361.
- 1370. General Physics III. (3-3-4)** F, S. Wave motion and sound, optics, modern physics, atomic and nuclear theory. Prerequisite: Physics 1360 and Mathematics 2110 or 2352 and 2361 or permission of instructor.
- 2390. Classical Mechanics I. (3-0-3)** F, S. One dimensional motion, line integral computation of work, vector analysis in coordinate systems, conservative fields, harmonic motion. Prerequisite: Physics 1350 or permission of the instructor. Corequisite: Mathematics 2361.
- 2400. Classical Mechanics II. (3-0-3)** S. Central force motion, gravitational fields and potential, accelerated coordinate systems, vibrating string. Prerequisite: Physics 2390. Corequisites: Mathematics 2362 and 2371.
- 3010, 3011, 3012. Mini-Physics. (1-0-1 for each)** Self-contained treatment of an area of physics or of physics and its relationship to society or the environment. Specific topics announced each semester. May be repeated with the approval of the department chairperson. A maximum of three semester hours may be counted toward graduation.
- 3150. Electronics. (2-4-4)** F, S. A study of the fundamentals of transistor electronics. Emphasis on scientific applications. Prerequisites: Physics 1160 or 1360 and one course in calculus.
- 3410. Electricity and Magnetism I. (3-2-4)** F. Coulomb's law, electric fields, potential, Gauss' law, capacitance, dielectrics, electrostatic energy, DC circuits introduction to magnetic fields and forces, induction. Prerequisites: Physics 1360 and Mathematics 2352.
- 3420. Electricity and Magnetism II. (3-3-4)** S-even-numbered years. Advanced magnetism, magnetic materials, magnetic energy, varying electric currents, AC circuits, Maxwell's equations, electromagnetic radiation. Prerequisite: Physics 3410.
- 4000. Seminar in Physics. (1-0-1)** F, S. Reports and discussions of selected topics with instructor approval for oral presentation. Required of junior majors. May be taken twice for credit.
- 4010. Seminar in Physics. (1-0-1)** F, S. Reports and discussions of selected topics with instructor approval for oral presentation. Required of senior majors. May be taken twice for credit.
- 4410. Independent Study. (Arr.-Arr.-1 to 3)** Selected problems based on student's interests. Admission and assignment of problems by arrangement. Laboratory, reading and conference. Prerequisite: Permission of instructor.
- 4470. Optics. (2-3-3)** F-odd-numbered years. Geometrical optics, optical instruments, wave optics: superposition, coherence, interference, diffraction, polarization. Corequisites: Physics 1370, Mathematics 2352.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Thermodynamics and Statistical Mechanics. (4-0-4)** F-even-numbered years. Thermometry, thermodynamic laws, kinetic theory, Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac statistics and applications. Prerequisites: Physics 1360; Mathematics 2361.
- 4800. Independent Study. (Arr.-Arr.-1 to 6)** Selected problems based on the student's interests. Admission and assignment of problems by arrangement. Laboratory, reading, and conference. Prerequisite: Permission of the instructor.
- 4830. Experimental Physics I. (0-6-3)** S. Experiments chosen for their pertinence to high school physics teaching. Emphasis on selection, procedure, analyzing results and reporting. Required for high school physics certification. Prerequisite: Physics 1370 or 1160.
- 4840. Experimental Physics II. (0-6-3)** S. Experiments from different areas of physics using varied techniques and equipment in acquisition and analysis of physical data. Prerequisite: One physics course beyond Physics 1370.
- 4850. Quantum Mechanics and Atomic Physics I. (3-3-4)** F-1984. Schrodinger equation applied to one, two, and three dimensional problems, harmonic oscillator and hydrogen atom, uncertainty principle. Prerequisites: Physics 1370; Mathematics 2362 and 3501.
- 4860. Quantum Mechanics and Atomic Physics II. (2-0-2)** S. Applications of the Schrodinger equation to nuclear, solid state, exclusion principle, angular momentum, atomic spectroscopy. Prerequisite: Physics 4850.
- 4870. Theoretical Physics. (3-0-3)** S. Selected topics from dynamics (Lagrangian, Hamiltonian) electromagnetic theory (Maxwell's equations), etc. Prerequisite: Physics 2400. Corequisite: Physics 3420 or permission of the instructor.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

The following courses are available for the M.S. in Education degree in Physical Science. All six of these courses are heavily laboratory oriented with emphasis on material pertinent to the high school physics laboratory.

- 5120. Classical Mechanics for High School Teachers. (3) Su (every third year beginning 1984).** An enhancement of those fundamental concepts of classical mechanics needed for successful teaching. Prerequisites: General college physics and high school science teaching experience; or permission of the department chairperson. Credit may be counted only toward the M.S.Ed. degree.
- 5130. Electrodynamics for High School Teachers. (3) Su (every third year beginning 1984).** Topics of special interest in high school teaching selected from electricity and magnetism. Prerequisites: General college physics and high school science teaching experience; or permission of the department chairperson. Credit may be counted only toward the M.S.Ed. degree.
- 5140. Electronics for High School Teachers. (3) Su (every third year beginning 1985).** Concepts of the tube and transistor circuits useful in teaching high school physics. Prerequisites: General college physics and high school science teaching experience; or permission of the department chairperson. Credit may be counted only toward the M.S.Ed. degree.
- 5150. Astronomy for High School Teachers. (3) Su (every third year beginning 1985).** Topics of special interest in high school teaching selected from modern astronomy. Prerequisites: General college physics and high school science teaching experience; or permission of the department chairperson. Credit may be counted only toward the M.S.Ed. degree.
- 5160. Modern Physics for High School Teachers. (3) Su (every third year beginning 1986).** Topics of special interest in high school science teaching selected from Twentieth Century physics. Prerequisites: General college physics and high school teaching experience; or permission of the department chairperson. Credit may be counted only toward the M.S.Ed. degree.
- 5170. Optics for High School Teachers. (3) Su (every third year beginning 1986).** Topics of special interest in high school science teaching selected from the field of optics. Prerequisites: General college physics, and high school teaching experience; or permission of the department chairperson. Credit may be counted only toward the M.S.Ed. degree.

5990. **Independent Study.** (1 to 6) Selected problems based upon the student's background and interests. Admission and assignment of problems by arrangement. Laboratory, reading, conference, and oral reports. Prerequisite: Permission of the instructor.

POLITICAL SCIENCE

Thorsen, L.C., Chairperson, Bonnicksen, Brazil, Brown, E., Chen, Y.P., Connelly, Faust, Goodrick, R., Lateef, Leigh, McNitt.

Undergraduate Courses

1003. **Introduction to Politics.** (3-0-3) A national and world survey of political conflict, theories of democracy and socialism and political, social and economic aspects of development.
1011. **Participation in Political Campaigns.** (1-Arr.-1) F (state and national election years). (Credit-No Credit). Active participation in the electoral campaign of an individual candidate for state or national office or for the candidates of one political party. May be repeated with permission of the department chairperson.
- 1093 (1003H). **Current Problems in Politics and Government for Honors Students.** (3-0-3) F. A national and world survey of political conflict, theories of democracy and socialism, and political, social and economic aspects of development.
1103. **American National Government.** (3-0-3) The fundamental principles of the American Constitutional System: Federalism, political opinion, political parties, pressure groups, legislators, the Presidency, bureaucracy, judiciary, civil liberties.
2002. **Introduction to Methods and Sources of Political Research.** (2-1-2) F, S. An introduction to research methodology emphasizing research design, sources of information, and use of library materials.
2011. **Constitutional Principles.** (1-0-1) F, S. (Credit-No Credit). A study of the Declaration of Independence, the proper use and display of the flag, and the constitutions of the United States and the State of Illinois. Not open to Political Science majors.
2053. **Analysis of Political Data.** (3-0-3) F, S. Quantitative techniques used in analyzing political systems. Practical experience in computer-assisted research.
2203. **Introduction to International Relations.** (3-0-3) F. An examination of the nature of the nation-state system and the sources of conflict in the international community.
2211. **Techniques of U.N. Diplomacy.** (1-0-1). F. The structure, origins and practical application of diplomatic techniques in the U.N. organization.
2603. **State and Local Government.** (3-0-3) The legal authority, structure, leadership and functions of state, county and city governments; an analysis of the Illinois state constitution.
2611. **Model Illinois Government.** (1-0-1) S. The legal authority, structure, and functions of the state legislature in Illinois.
- 2693 (2603H). **State and Local Government for Honors Students.** (3-0-3) S. The legal authority, structure, leadership and functions of state, county and city governments; an analysis of the Illinois state constitution.
3203. **American Foreign Policy.** (3-0-3) F. An analysis of major American foreign policy problems and the factors shaping foreign policy decisions.
3223. **International Organization.** (3-0-3) S. An analysis of the development, scope and functions of general and regional international organizations and the process of international integration.
3303. **Politics and Policy Issues in Western Europe.** (3-0-3) S. Welfare state programs, political economy, political attitudes and behavior, parties and elections, structures and processes for policy making.
3323. **Government and Politics of the U.S.S.R. and Eastern Europe.** (3-0-3) F. Marxism-Leninism, structures and functions of the Communist Party and government, social and economic policy, dissent, and the police state.
3343. **Government and Politics of the Middle East.** (3-0-3) S. The governments and politics of the countries of the contemporary Middle East with an emphasis upon the processes of political modernization. Prerequisite: Three semester hours of political science.
3363. **Government and Politics of China and Asia.** (3-0-3) F. The political systems of China and other major nations of Asia with an emphasis upon the Communist Party, ideology, political processes and institutions. Prerequisite: Three semester hours of political science.
3373. **Politics of Oil in the Persian Gulf States.** (3-0-3) F. A study of the politics of the Persian Gulf States with an emphasis upon oil as a factor in political modernization and regional and international relations. Prerequisite: Three semester hours of political science or permission of instructor.
3383. **Politics of Third World Nations.** (3-0-3) F-even-numbered years. A comparative survey of the policy, politics and processes of Third World nations with an emphasis on South American nations.
3413. **Introduction to Public Administration.** (3-0-3) F, S. A study of the growth, principles and problems of public administration and its relationship to politics. Prerequisite: Political Science 1103.
3513. **Politics and the Legal Process.** (3-0-3) S-even-numbered years. An analysis of the legal process as an integral part of the American political system with an emphasis upon the behavior of its participants: the police, lawyers, defendants, plaintiffs, politicians.
3523. **Criminal Law.** (3-0-3) F. Problems in the administration of criminal justice, with emphasis on topics such as search and seizure, arrest, interrogation, lineups and the scope and administration of the exclusionary rule.
3533. **Civil Proceedings.** (3-0-3) S-odd-numbered years. An examination of the means by which government provides for the settlement of disputes between private parties in such matters as contracts, domestic relations, malpractice suits, and auto accidents.
3643. **Comparative State Politics.** (3-0-3) F. An introduction to the comparative analysis of state political systems with an emphasis on state administration and policy outputs.
3713. **Political Parties and Elections.** (3-0-3) F. An examination of the structure, function and role of political parties in the United States. Prerequisite: Political Science 1103 or permission of the instructor.
3723. **Political Behavior.** (3-0-3) S. An analysis of individual and group political behavior with an emphasis upon current research. Prerequisite: Political Science 1103 or permission of instructor.
3733. **Interest Groups.** (3-0-3) S. An analysis of the role and techniques of labor, business, agrarian, ethnic and other groups in the political process. Prerequisite: Political Science 1103 or permission of the instructor.
3743. **The Legislative Process.** (3-0-3) S. An examination of the institutional structures and functions of legislative bodies at the national, state and local levels. Prerequisite: Political Science 1103 or permission of the instructor.
3750. **Studies in Europe.** (Arr.-Arr.-1 to 6) (See Arts and Sciences 3750.) Prerequisite: Permission of the department chairperson. *Note:* No more than three semester hours may be counted in the minor.
3753. **The American Presidency.** (3-0-3) S-even-numbered years. An analysis of the development of the American Presidency, including the various roles and powers of the president and a comparison of those roles and powers with those of the modern governor. Prerequisite: Three semester hours in Political Science or permission of the instructor.
3903. **Public Policy and the Sexes.** (3-0-3) F-odd-numbered years. An analysis of the policies affecting the relative status and rights of women and men with emphasis on Supreme Court decisions and national legislation designed to promote equality of the sexes.
3990. **Summer Studies in Ireland and Britain.** (Arr.-Arr.-6) Su. Independent research in political science. Six weeks of residence in the Republic of Ireland or Britain will be required. Prerequisite: Junior or senior standing. *Note:* No more than three semester hours may be counted in the minor.
4275. **Internship (Arr.-Arr.-1 to 15) (Credit/No Credit).** Work experience as an intern in a government agency, political party or law firm. Amount of credit depends on length of the work experience. Credit for this course does not count toward graduation if the student has earned 12 or more semester hours of Credit/No Credit in student teaching or any other internship offered by the University. Prerequisites: Permission of the department chairperson and acceptance of the student by an appropriate organization or agency.
4444. **Honors Independent Studies.** (3) Consideration of special topics in political science. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.

- 4503. Independent Study.** (Arr.-Arr.-1 to 6) Individual study of a topic of the student's choice under the supervision of an instructor. The student must submit a study plan within the first two weeks of the semester. Prerequisites: Six semester hours of political science, senior standing and permission of the department chairperson. *Note:* A maximum of six semester hours may be earned in this course. A maximum of three semester hours may be applied to the major in political science.
- 4555. Honors Research.** (3) In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.
- 4644. Honors Thesis.** (3) Intensive research in preparation of a thesis on a topic in political science approved by faculty supervisor and the Departmental Honors Coordinator. Prerequisite: Permission of Director of Honors Programs and Departmental Honors Coordinator.

Courses Open To Juniors, Seniors, and Graduate Students

- 4753. Research Methods and Program Evaluation.** (3-0-3) F. Problems and techniques of social scientific and policy oriented research; methods of data analysis including research design, applied regression analysis and cost-benefit analysis. Prerequisite: Three semester hours of political science or permission of the instructor.
- 4774. American Constitutional Law.** (4-0-4) F. An analysis of Supreme Court decisions on federalism; powers of the President, Congress and the Supreme Court; commerce; taxation; and the civil liberties of the individual.
- 4793. Public Administration: Organization and Process.** (3-0-3) F-even-numbered years. A study of the dynamics of organization origin and policy development; a survey of contemporary theory and its significance. Prerequisite: Political Science 1103 or permission of the instructor.
- 4821, 4822, 4823. International Policy Issues.** (3-0-1 each course) S-even-numbered years. An analysis of contemporary world problems from the point of view of different nation-states. Students will help select the issues. (Courses offered consecutively: 4821 for five weeks, 4822 for five weeks, and 4823 for five weeks. Students may register for any one, two, or all three of the courses in the same semester.) Prerequisite: Nine semester hours in the social sciences or permission of the instructor.
- 4831, 4832, 4833. Policy Practicum.** (3-0-1 each course) F. Study of the policy making process in selected issues; applied work with methods of policy analysis. (Courses offered consecutively: 4831 for five weeks, 4832 for five weeks, and 4833 for five weeks. Students may register for any one, two or all three of the courses in the same semester.)
- 4843. Analysis of Urban Politics.** (3-0-3) S-odd-numbered years. A study of the empirical research dealing with urban government and the structural components of urban politics.
- 4873. Government Personnel Administration.** (3-0-3) S. An examination of the political environment's impact on personnel policies of local, state and federal agencies. Policies ranging from rights of government employees to affirmative action programs will be explored. Prerequisite: Political Science 1103 or permission of the instructor.
- 4893. Government Budgeting and Taxation.** (3-0-3) F. A study of how and why federal tax revenues are allocated to various programs; an examination of federal, state, and local fiscal policies. Prerequisite: Political Science 1103 or permission of instructor.
- 4903. Political Theory: Ancient, Medieval, and Modern.** (3-0-3) F. The origins and evolution of major concepts in political thought from the time of Pericles through Rousseau. Prerequisite: Six semester hours of political science or permission of the instructor.
- 4913. Contemporary Political Theory.** (3-0-3) S. Contemporary concepts in political thought with an emphasis upon the development of communist, fascist, social democratic and new left theory. Prerequisite: Six semester hours of political science or permission of the instructor.
- 4933. Ideologies of the Third World Nations.** (3-0-3) S. Survey of Third World political thought with a focus on the ideologies of nationalism, revolution, socialism, and democratic reform. Prerequisite: Three semester hours of political science or permission of the instructor.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5003, 5013. Administrative Internship.** (3 each course) A student will serve as an intern in a federal, state, county, municipal or party organization or agency appropriate to his/her area of concentration.
- 5023. Contemporary Problems in International Politics.** (3) S-odd-numbered years. Approaches to the study of international politics and contemporary world problems. Prerequisite: Nine semester hours in the social sciences or permission of the instructor.
- 5033. Policy Problems in Industrialized States.** (3) S. Approaches to the comparative analysis of policy issues in Western industrialized states. Prerequisite: Nine semester hours in the social sciences or business or permission of the instructor.
- 5053. Contemporary Constitutional Development.** (3) S. An analysis of current decisions and politics of the Supreme Court with emphasis on equal protection, first amendment, due process and changes in the powers of the executive, legislative and judicial branches. Prerequisite: Three semester hours in public law or permission of the instructor.
- 5063. Seminar in Urban Development.** (3) F. An analysis of American cities and urban problems with an emphasis on intergovernmental relations. Prerequisite: Three semester hours in state and local government or permission of the instructor.
- 5073. Seminar in Political Behavior.** (3) S. An analysis of political behavior; the formation of opinions, roles and personality; democratic and authoritarian personality types. Prerequisite: Political Science 3723 or permission of the instructor.
- 5133. Seminar in Political Problems of Asia and the Middle East.** (3) F. An in-depth examination of selected topics in the political processes and structures of Asia and the Middle East. Prerequisite: Nine semester hours in the social sciences or permission of the instructor.
- 5173. Seminar in Congressional Politics.** (3) F. The study of individual and group political behavior in the United States Congress through reading, discussion and individual research. Prerequisite: Nine semester hours in the social sciences or permission of the instructor.
- 5273. Seminar in Executive Process.** (3) Su. A study of executive politics in the United States concentrating on the offices of President, Governor and Mayor. Prerequisite: Six semester hours in political science or permission of the instructor.
- 5533. Seminar in Political Modernization.** (3) S-odd-numbered years. Analysis of theories of political development and modernization. Review of the challenges facing rapidly changing societies and the appropriateness of national responses to these problems. Prerequisite: Six semester hours in the social sciences or permission of the instructor.
- 5543. Seminar in Public Administration.** (3) F-odd-numbered years. Contemporary administrative policies and processes are explored through reading, discussion and individual research. Prerequisite: Political Science 3413 or permission of the instructor.
- 5843. Topical Seminar in Public Policy.** (3) S-even-numbered years. A topical seminar in the formation, substance, and impact of public policy, including examination of future policy choices. The policy issues examined will vary from year to year. Prerequisite: Six semester hours of political science or permission of the instructor.
- 5950. Thesis.** (3 to 6) *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and/or 5990 and/or 5997.
- 5990. Independent Study.** (1 to 6) An intensive study in some specialized area of interest in political science; the student must present an individual study plan for approval. Prerequisite: Nine semester hours of graduate courses in political science. *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and/or 5950 and/or 5997.
- 5997. Study Abroad.** (3 to 6) Special permission of the department. *Note:* A maximum of nine semester hours may be earned in a combination of 5997 and/or 5950 and/or 5990.

PSYCHOLOGY

Panek, P., Chairperson, Best, J., Best, R., Boyd, Coe, Davis, M., Dodd, Edwards, Glynn, Guy, Holt, Hustmyer, Kirk, Livingston, McCormick, C., McGown, Morice, Rearden, J., Roberts, W., Spencer, Stoner, Summers, Tucker-Ladd.

Undergraduate Courses

- 2310. Introduction to Psychology I. (3-0-3)** The first half of a survey of methods, concepts and principles of psychology to cover the following topics: development, learning, social, testing, intelligence, personality theory, abnormal, and therapeutic methods.
- 2320. Introduction to Psychology II. (3-0-3)** The second half of a survey of methods, concepts and principles in psychology to cover the topics: scientific method, history and systems, sensation, perception, learning, memory and cognition, motivation and emotion, and psychophysiology.
- 2330. Introduction to Helping. (3-0-3)** Familiarization with therapeutic techniques and the ethics of helping by focusing on self-help. Practice applying selected methods for self-improvement, progress on self-help projects discussed in small groups. A review of the effectiveness of various methods. Prerequisite: Psychology 2310.
- 2390 (2320H). Introduction to Psychology II for Honors Students. (3-0-3) F.** The second half of a survey of methods, concepts and principles in psychology to cover the topics: scientific method, history and systems, sensation, perception, learning, memory and cognition, motivation and emotion, and psychophysiology. Prerequisite: Psychology 2310 or permission of the instructor.
- 2610. Statistical Methods of Psychology. (3-2-4)** Application of statistical methods to behavioral data. Prerequisite: Psychology 2310. Not open to students who have taken or are enrolled in Mathematics 3701 or 3702. Credit is not given for both Psychology 2610 and 3800.
- 3250. Human Interaction Skills. (2-1-2)** A didactic and experiential approach to developing effective communication skills and increasing awareness of one's own interpersonal style. Prerequisite: Psychology 2310 or 2320.
- 3310. Physiological Psychology. (4-0-4) F.** A survey of the physiological correlates of the behavior in man and lower organisms. Prerequisite: Psychology 2310.
- 3400. Methods of Teaching Psychology. (3-0-3) F, S.** Training and practice in how to teach high school psychology. Thirty hours of pre-student teaching clinical experience and learning modules from several simulated teaching experiences prepare each student to teach an entire psychology course. Prerequisites: Educational Psychology 3325, and Secondary Education 3330; Psychology 2310 plus twelve semester hours in psychology.
- 3515. Child Psychology. (3-0-3)** A survey of the progression of human development up to adolescence and of the processes involved in the development of the physical, cognitive and affective domains. Prerequisite: Psychology 2310.
- 3521. Psychology of Adolescence and Young Adulthood. (3-0-3) F, S.** A survey of psychological development during adolescence and young adulthood; the influences of biological, cognitive and social factors affecting identity, roles, and occupational selection. Prerequisite: Psychology 2310. (Psychology 3515 is strongly recommended, but not required.)
- 3525. Psychology of Maturity and Old Age. (3-0-3)** A study of human developmental age-related changes from post-adolescence to death in such psychological process areas as intelligence, learning and memory, personality, sensation and perception, motivation and emotion. Emphasis will be given to developmental changes following adolescence to death. Prerequisite: Psychology 2310.
- 3530. Industrial Psychology. (2-0-2) F, S.** Applications of the methods and principles of psychology to work situations. Personnel, organizational, environmental, and consumer problems are considered.
- 3550. Mental Hygiene. (2-0-2)** A review of personality development and how persons adjust to life's stages and stresses. The emphasis is on learning to cope with feelings and interpersonal concerns, and on personal growth.
- 3590. Theories of Personality. (3-0-3) F, S.** A comparison of the four major perspectives in personality theory: psychoanalytic, trait and type, social-behavioristic and cognitive-humanistic. Special emphasis is placed on basic concepts and principles, assessment, research and techniques used in the treatment process. Prerequisite: Psychology 2310.
- 3601. Psychological Measurements: Fundamental Principles. (3-0-3)** Statistical background, administration, interpretation and evaluation of interest, aptitude, intelligence and personality tests. Prerequisite: Psychology 2310.
- 3620. Psychology of Learning. (3-0-3) S.** Introduction into basic principles and concepts of learning with particular emphasis on the application to problems of human learning. Prerequisite: Psychology 2310.
- 3690. Controversial Topics in Psychology. (3-0-3) F.** Exploration of special interest or controversial topics in psychology as: hypnosis, drugs, behavior, transcendental meditation, gay liberation, biofeedback, ESP, and IQ controversy. Prerequisite: Psychology 2310.
- 3800. Research Methods. (4-0-4)** A practical introduction to elementary statistics and research design, emphasizing how-to-understand research. Prerequisites: Psychology 2310 and 2320. Credit is not given for both Psychology 3800 and 2610.
- 3810. Experimental Psychology: Learning. (2-4-4)** Research projects in human and animal learning with in depth coverage of operant conditioning. Provides opportunity to design experiments, analyze data, and write scientific reports. Prerequisites: Psychology 2310, 2320, and 2610.
- 3820. Experimental Psychology: Perception. (2-4-4) Su, S.** Study of the development and organization of perception in man. Provides opportunity to conduct demonstrations and experiments. Prerequisites: Psychology 2310, 2320, and 2610.
- 3830. Cognitive Processes. (3-0-3) F.** A survey of research and theory in the "core topics" of cognitive psychology, i.e., perception, memory, language, and problem solving. Prerequisite: Psychology 2310.
- 3900. Independent Study in Psychology. (Arr.-Arr.-1-6)** The study of topics in psychology which may include laboratory research, readings, and field research. Approval of the instructor is required prior to registration. Limited six hours.
- 3990. Summer Studies in Ireland and Britain. (Arr.-Arr.-6) Su.** Independent research in psychology. Six weeks of residence in the Republic of Ireland or Britain will be required. Prerequisite: Junior or senior standing. *Note:* No more than three semester hours may be counted in the minor.
- 4250. History and Systems. (4-0-4) F.** Equal time will be devoted to contemporary systems and the history of psychology as an experimental science. Prerequisite: Fifteen semester hours in psychology.
- 4275. Internship. (Arr.-Arr.-1 to 15) (Credit/No Credit).** Supervised practicum and field experience designed to familiarize and train students in applied settings. Prerequisites: Psychology major, Psychology 2310, approval of field experience instructor and junior standing in advance of registration.
- 4590. Psychology Seminar. (3-0-3) F, S.** Specific area within the discipline will be given intensive study through lectures, readings, reports, and discussion. The topic for each semester will be announced in advance by the department chairperson. Prerequisite: Major or minor in psychology. May be repeated with permission of the instructor.
- 4644. Honors Thesis. (Arr.-Arr.-3)** Intensive research in preparation of a thesis on a topic in psychology approved by faculty supervisor and the Department Honors Coordinator. Prerequisite: Permission of Director of Honors Program and Department Honors Coordinator.
- 4666. Honors Seminar. (3-0-3)** Areas of investigation which require integration of psychological concepts and research will be treated, e.g., effectiveness of psychotherapy; psychology of the extraordinary, etc. May be taken twice. Prerequisite: Permission of the Director of Honors Program and Department Honors Coordinator.
- 4700. Psychology of Prejudice and Discrimination. (3-0-3) F.** Applications of social psychological principles to understand the formation and perpetuation of racial attitudes, special emphasis on personality development of racial minorities.
- 4750. Psychology of Exceptional Children. (3-0-3)** A survey of educational, medical and psychological characteristics of exceptional children below the age of 21. Methods used to identify and assess the special problems of these children and the various programs of intervention. Prerequisite: Psychology 2310.

Courses Open To Juniors, Seniors, and Graduate Students

- 4760. Personality Assessment I: Foundations and Behavioral Assessment. (3-0-3)** Su, F. An introduction to the conceptual foundations of personality assessment with an emphasis on the evaluation of quality of evidence and decision making processes. Major approaches to assessment are surveyed and the student develops competencies in behavioral methods, including interviewing and observation. Prerequisites: Psychology 3590 and 3601, or permission of instructor.
- 4765. Methods in Behavioral Management. (3-0-3)** The basic concepts of human operant conditioning. Emphasizes applied research and techniques of behavior management applicable to a wide variety of settings and problems.
- 4780. Abnormal Behavior. (3-0-3)** A study of the etiology, diagnosis, and treatment of neurosis, psychoses and various emotional and behavioral disorders. Prerequisite: Psychology 2310.
- 4830. Introduction to Group Dynamics. (1-2-2)** F, S. Introduction to group dynamics and therapeutic group procedures. Laboratory and classroom experiences will be utilized to provide direct group experiences and a basic fund of information of theoretical and empirical literature pertaining to groups. Admission to course by approval of instructor prior to registration.
- 4840. The Clinical Psychologist. (3-0-3)** Su, F. Clinical psychology procedures and their application in the practice of psychology in community and family services, penal institutions, and mental health agencies. Prerequisites: Psychology 3590 and 3601 or permission of the instructor.
- 4850. Psychological Intervention. (4-0-4)** F, S. A comprehensive survey of psychological intervention theories along with practical and realistic guidelines for psychological interventions in personal, family, legal, and organizational crises. Prerequisite: 20 semester hours in psychological or related areas.
- 4860. Psychology in Criminal Justice and Behavior. (3-0-3)** F. Psychological explanations of the "criminal mind" and different types of offenders, with emphasis on treatment of the offender and the interface between forensic psychology and the mental health system. Research on the effectiveness of various treatment modalities will be reviewed. Prerequisite: Psychology 2310 or Sociology 2761 or permission of the instructor.
- 4870. Social Psychology. (3-0-3)** S. Comprehensive survey of research on social behavior. Topics to be studied include subcultural influences, group dynamics, inter-group relations, interpersonal interaction, and attitude change. Prerequisite: Psychology 2310.
- 4880. Advanced Statistics in Psychology. (3-0-3)** S. Analysis of variance techniques in experimental design. Prerequisite: Psychology 2610 or equivalent.
- 4900. Evaluation and Techniques of Treatment Research. (3-2-4)** F. A review of the research evaluating psychological services, such as psychotherapy, crisis-treatment centers, prevention programs, self-help courses, encounter groups, and others. Emphasis is on outcome measures, treatment effectiveness, and methodological or design problems. Prerequisites: Psychology 2330, 2610 or 3800, and 3601.
- 5030. The School Psychologist. (3)** F. Concentrates on the role and function of the school psychologist; special problems in the profession; and the rules and regulations that govern the activities of a school psychologist in an educational setting. Prerequisite: School Psychology major or permission of the instructor.
- 5040. Psychotherapeutic Principles and Practices I. (3)** F. A critical survey of issues, principles, practices, and research as related to the traditional approaches in psychotherapy. Prerequisite: Psychology 3590 or equivalent.
- 5050. Therapeutic Practices: Behavioral Approaches. (3)** S. Concepts and procedures utilized in behavior therapy; special emphasis on systematic desensitization, assertiveness training, modeling, and cognitive behavioral techniques.
- 5110. Psychological Evaluation of Pre-School Children. (3)** S. The psychological evaluation of pre-school children: measuring cognition, language, perceptual-motor processes, and social-emotional development. Prerequisite: Psychology 3601 or equivalent.
- 5170. Theories of Learning. (3)** S. A survey and comparison of theories of learning. Prerequisite: Psychology 3620 or permission of the instructor.
- 5360. Advanced Experimental I. (4)** F. A survey of the basic findings and theories related to sensory and perceptual processes. Prerequisite: Psychology 3820 or permission of the instructor. Psychology 3310 recommended.
- 5540. Psychological Processes in the Aged. (3)** F. An in-depth study of age related changes, in the elderly, in such psychological processes as learning, memory, sensation, perception, intelligence, adjustment, and personality. Prerequisite: Psychology 2310 or permission of the instructor.
- 5545. Techniques for Geriatric Management. (3)** S. A study of several psychological techniques designed to increase psychological adjustments in the elderly. Prerequisite: Psychology 5540.
- 5560. Marriage and Family Counseling. (2)** Su. A survey of current theory and practice in marriage and family counseling. The emphasis is on learning how to use effective strategies and techniques to help solve marital and family problems. Prerequisite: Permission of the instructor.
- 5610. Research Methods. (3)** Introduction to style of research reporting; survey of types and designs of research; and statistical analysis of data. Prerequisite: Psychology 2610 or equivalent.
- 5890. Field Study or Practicum. (1-12)** Supervised experience in a setting that allows the application of skills and training in the student's area of concentration. Prerequisite: Permission of the instructor. May be repeated for a maximum of 12 semester hours.
- 5950. Thesis. (3 to 6)** Note: A maximum of nine semester hours may be earned in a combination of 5950 and/or 5990 and/or 5997.
- 5970. Seminar Topics in Psychology. (3)** Specific areas or topics of psychology will be given intensive study through readings, reports and group discussions. Topics will be selected on the basis of need. Prerequisite: Permission of the instructor. May be repeated.
- 5990. Independent Study. (1 to 6)** Advanced study of topics selected by the student and approved by his/her advisor. May include research, readings, group discussions. Prerequisite: Permission of the instructor. Note: A maximum of nine semester hours may be earned in a combination of 5990 and/or 5950 and/or 5997.
- 5997. Study Abroad. (3 to 6)** Special permission of the department. Note: A maximum of nine semester hours may be earned in a combination of 5997 and/or 5950 and/or 5990.
- 5999. Internship in School Psychology. (6)** F, S. Required of all students majoring in School Psychology. An expansion of the academic program to allow a student to demonstrate his/her knowledge and skill in an appropriate school setting. A maximum of 12 semester hours spanning at least nine months (two academic semesters). Prerequisite: Approval by the department's School Psychology Committee.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

Students pursuing the M.A. in Psychology may concentrate in one of the following areas: Psychology or School Psychology. An appropriate program of study in the chosen concentration is developed by the student and his or her advisor, with approval by the Psychology Department and the Graduate School. More information is available from the Psychology Department.

- 5005. Personality Assessment II: Child and Adolescent. (3)** F. This competency-based course gives practice and exposure to various traditional and behavioral assessment techniques relevant to children and adolescents. The student is expected to develop competencies in the use of drawings, thematic, visual-perceptual devices; self-administering surveys and inventories. Prerequisites: Psychology 3590, 3601, 4760; or permission of the instructor.
- 5015 (4790). Individual Intelligence Testing. (4)** F. Advanced study of individual intelligence tests; practice in administration and interpretation. Prerequisites: Psychology 2310 and 3601.
- 5025. Personality Assessment III: Adult. (3)** S. This competency-based course gives practice and exposure to various traditional assessment techniques relevant to adults. The emphasis of this course is upon a case-centered approach to the assessment of adults. Prerequisites: Psychology 4760 or permission of the instructor.

RECREATION

Bryden, E.L., Chairperson, Dutler, Hardman, Johnson, D.L., Jones, A.L., Smith, W.A.

Undergraduate Courses

- 1320. Leadership in Recreation. (2-2-3) F, S.** Basic philosophies of recreation and techniques of leadership in the field of recreation, with practical experiences in the field of recreation with emphasis on face-to-face leadership.
- 1780. Introduction to Leisure Service Agencies. (2-0-2) F, S.** A study of the history and philosophy of recreation and an introduction to various leisure service agencies.
- 2250. Introduction to Recreation for Special Populations. (2-2-3) F, S.** Introduction to the characteristics, abilities, and terminology of special populations with emphasis upon the development and implementation of programs. Practical experiences working with handicapped are provided.
- 2290. Programs for Leisure Agencies. (2-0-2) F, S.** Development of recreation activities including planning, scheduling, publicity and evaluation for a variety of leisure service agencies. Prerequisite: Six semester hours of recreation courses.
- 2300. Commercial and Employee Recreation. (3-0-3) S.** The exploration of recreation as a profit making enterprise surveying the development and operation of goods and services offered in the leisure market. The exploration of the history, scope, place and relationship of industrial-employee recreation. Prerequisite: Sophomore standing.
- 2420. Technique and Theory of Cross Country Skiing and Orienting. (2-0-2) S.** The development of basic knowledge and skills necessary to plan, develop, administer, and participate in cross country skiing and orienteering events.
- 3250. Therapeutic Programming for Special Groups. (3-0-3) F.** The evaluation of recreation policies and facilities for the mentally retarded and physically disabled. Prerequisite: Recreation 2250 or permission of the instructor.
- 3510. Camp Administration and Leadership. (2-0-2) F.** Organization and administration of camps including: business operation, maintenance operation, program planning, counselor training, and camp standards and regulations. Field trip.
- 3550. Fieldwork in Recreation I. (1-Arr.-3) F, S.** Students are assigned to public or private agencies in the community for the purpose of organizing and conducting activities under supervision. There is discussion of problems associated with in-service training. Prerequisites: Recreation 1320 and 1780. For recreation majors and minors only. Credit not granted for both Recreation 3550 and 3551.
- 3551. Fieldwork in Recreation II. (0-Arr.-3)** Students will be assigned to work full time at an entry level recreation position under the supervision of a full time recreation professional. A minimum of 30 hours per week for eight weeks will be required of all students enrolling in this course. Prerequisites: Second semester sophomore standing and nine hours of professional recreation classes. Open to recreation majors and minors only. Credit not granted for both Recreation 3550 and 3551.
- 3560. Outdoor Living Skills. (1-2-2) S.** Study of approved techniques for out-of-doors living and survival skills. Practical experience provided. Laboratory fee required.
- 3760. Recreation in the Natural Environment. (1-2-2) F.** An analysis of existing programs in outdoor recreation. Consideration is given to various federal, state, and private agencies involved in the management and preservation of our natural and wilderness areas, and studies are conducted of federal and state regulations for these areas. Experiences in a variety of outdoor activities such as rappelling, cross-country skiing and back packing are also provided. Laboratory fee required.
- 3860. Environmental Interpretation. (1-2-2) F.** An overview of environmental interpretation as it applies to both natural and man-made areas to acquaint the student with techniques and resources available for the implementation of interpretative programs within various park and recreation agencies. Field trips. Prerequisite: Environmental Biology 2010 or permission of instructor.
- 4275. Internship. (Arr.-Arr.-6 or 7 or 8 or 9). (Credit/No Credit).** A field experience to include full-time assignment to an established recreation program. Prerequisite: Recreation 3550 or 3551.
- 4444. Honors Independent Study. (Arr.-Arr.-1)** Consideration of special topics in leisure studies. Special emphasis on an area of interest to the student approved by the faculty supervisor and Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.
- 4644. Honors Thesis. (Arr.-Arr.-3)** Intensive research in preparation of a thesis on a topic in leisure studies approved by faculty supervisor and the Departmental Honors Coordinator. Prerequisite: Permission of Director of Honors Programs and Departmental Honors Coordinator.
- 4666. Honors Seminar. (Arr.-Arr.-3)** Areas of investigation which require integration of leisure studies and research will be treated. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator. May be taken twice.
- 4741. Independent Study. (Arr.-Arr.-1 to 6)** Independent study may be undertaken for a number of projects such as: Positions working at a professional recreation agency, service projects for departmental and university organizations, surveys and research projects, research papers, and other investigative reports, reading and interpretation of literature in the field, and other student proposals. Credit is allowed from one to six semester hours with a maximum of three semester hours for any one project. Contact department chairperson for information.

Courses Open To Juniors, Seniors, and Graduate Students

- 4790. Swimming Pool Management and Operation. (3-0-3) F, S.** The course orients the students in the design of swimming pools, water treatment, maintenance problems, operational procedures, and program planning. Field trips are included.
- 4820 (4800). School Recreation and Intramural Sports. (2-2-3) F, Su.** The philosophy of intramurals and school recreation dealing with the functions and techniques of administrative personnel including scheduling and programming of a variety of school recreational activities. Practical experience is provided. Credit not granted for both Recreation 4820 and Physical Education 4820.
- 4830. Administration of Leisure Services. (3-0-3) F, S.** Exploration of philosophical viewpoints underlying a recreation program; criteria for evaluating the recreational potential of a community; administrative problems related to park and recreation programs. Prerequisite: Twelve semester hours of recreation class credit or permission of instructor.
- 4840. Development of Areas and Facilities for Health, Physical Education, and Recreation. (3-0-3) F, S.** Design and operation of physical education and recreation facilities, both indoor and outdoor. Consideration is given to types, location, lay-outs, construction standards and building codes.
- 4850. Financial Practices for Leisure Service Agencies. (3-0-3) F, S.** The investigation of the financial structures, resources, budget management and accounting procedures for public and private recreation agencies.
- 4900. Maintenance and Operation of Parks. (3-0-3) F-even-numbered years.** A study of methods and materials necessary for the operation and maintenance of recreation parks and other outdoor recreation areas. Information considered will involve a non-scientific approach to such areas as horticulture, agronomy, landscaping, general construction, paving, equipment and maintenance operation.
- 4910. Resource Management and Planning. (3-0-3) F-odd-numbered years.** A study of resource management and planning as it pertains to parks and wilderness use areas. The demand for outdoor recreation, carrying capacity, use classification, and outdoor recreation management models will be analyzed. Prerequisite: Environmental Biology 2010 or permission of the instructor.
- 4950 (5250). Leisure Services for the Aged. (3-0-3) S.** Scope of the therapeutic recreation services available through private and public agencies; analysis of programs designed for persons with physical, emotional, intellectual or social disorders and handicaps. Practical experiences are provided.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5420. **Principles and Philosophies of Leisure.** (2) A study of historic and future trends in the status of leisure in the American society. An analysis of the role of the leisure service agency in our present society. Prerequisite: Graduate or senior standing.
5430. **Seminar in Issues and Trends in Leisure Service Agencies.** (2) S. Identification and discussion of current issues and trends in the recreation movement in the United States and foreign lands.

SECONDARY EDUCATION

Undergraduate Courses

(See Educational Foundation for staff members.)

1099. **Minimum BASIC Programming.** (1-2-2) F, S. A minimum programming level course in the BASIC language for use on microcomputers. Credit not granted to students who have credit in another college-level computing course.
3000. **Level I: Alternate Secondary Education Program.** (2-3-3) (Credit/No Credit). Competency based program integrating Educational Psychology, Instructional Methods, Special Education, and Educational Foundations; leading to secondary certification. Attaining skills from learning packages, public school contracts and experiences. Prerequisite: Psychology 2310.
3100. **Level II: Alternate Secondary Education Program.** (2-3-3) (Credit/No Credit). Continuation of program leading to secondary certification. Integrating Educational Psychology, Instructional Methods, Special Education and Educational Foundations. Attaining skills from learning packages, public school contacts and classroom experiences. Prerequisite: SED 3000 or ASEP Director's permission.
3330. **Instructional Task in the Secondary School.** (3-0-3) Present state of the secondary school, planning for teaching, instructional patterns, classroom climate, evaluation techniques, clinical activities, and other pre-student teaching foundations. Fifteen clock hours of participation are required. Prerequisite: Psychology 2310.
4000. **Level III: Alternate Secondary Education Program.** (Arr.-Arr.-14) (Credit/No Credit). Final course leading to secondary certification. Integrating Student Teaching (8-12 weeks), Educational Psychology, Instructional Methods, Special Education, and Educational Foundations into a final semester of professional experience. Prerequisites: SED 3100, Departmental Methods, and Admission to Teacher Education.
4741. **Independent Study.** (Arr.-Arr.-1-3) May be repeated for a total of six semester hours credit. Prerequisite: Permission of the department chairperson.

Courses Open To Juniors, Seniors, and Graduate Students

4751. **Strategies of Adult Instruction.** (3-0-3) Methods, techniques, and devices in adult education, developing action oriented learning situations, programmed instruction, developing appropriate materials and evaluating the outcome of courses.
4760. **Studies in Education.** (3-0-3) On demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.
4790. **Studies in Education.** (2-0-2) On demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.
4800. **Studies in Education.** (1-0-1) On demand. Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.
4850. **Seminar and Field Experiences in Adult Education.** (2-6-4) A supervised experience in an adult educational operation which will allow the student to apply his/her skills and training to teaching adults. A follow-up of these experiences and other specific areas and topics will be given further study through readings, reports, and group discussions. Prerequisites: Secondary Education 4751, approval by the department chairperson and acceptance by a cooperating adult education organization.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to graduate students.)

5990. **Independent Study.** (1 to 6) Intended to permit a student to pursue more intensively various aspects of the area of his/her special interest. Prerequisite: Permission of the department chairperson.

SENIOR SEMINAR (EIU)

4022. **Senior Seminar.** (2-0-2) Senior seminars are offered in a number of subjects and disciplines each semester. Each is organized around a particular subject/issue important to contemporary society. Each seminar is listed by title and instructor in the schedule of courses during registration each semester.

SOCIAL SCIENCE

Undergraduate Courses

3400. **Methods and Materials in the Social Studies in the Secondary School.** (3-0-3) Aims and objectives of social studies teaching; nature and scope of social studies materials; methods employed in teaching the social studies. Thirty clock hours in pre-student teaching are required. Prerequisites: Educational Psychology 3325 and Secondary Education 3330.

SOCIOLOGY

Whittenbarger, R., Chairperson, Bai, Braden, Foster, Hummel, Jenkins, S., Jones, J., Magalis, Munson, Stute, Swartzbaugh, Timblin, Wohlstein.

Undergraduate Courses

2710. **Principles of Sociology.** (3-0-3) Study of basic sociological concepts; and social processes; structural and functional analysis of social groups.
2720. **Social Problems and Social Trends.** (3-0-3) Analysis of the nature of social problems, theories, deviant behavior; social disorganization, adjustment of mechanisms and social control. Prerequisite: Sociology 2710.
2761. **Introduction to Criminology.** (3-0-3) A historical and sociological survey of the criminal justice system in the United States, a review of etiological factors of crime, delinquency and prevention. Prerequisite: Sociology 2710.
- 2790 (2710H). **Principles of Sociology.** (3-0-3) Survey of the basic sociological concepts and theories in light of the empirical evidence. The course will emphasize the major issues and controversies in the discipline.
3600. **Introduction to Social Work.** (3-0-3) F, S. A survey of principles, techniques, and fields of social work. Prerequisite: Sociology 2710.
3610. **Statistical Analysis of Social Data.** (3-0-3) F, S. Survey of statistical techniques used to summarize and describe the quantitative characteristics of social research data. Also surveys statistical techniques necessary to generalize observations from samples to parent populations.
3622. **Population.** (3-0-3) S. A descriptive and theoretical analysis of the dynamics of population with emphasis on population trends. Prerequisite: Sociology 2710.
3650. **Social Systems and Social Roles.** (3-0-3) F, S. Social psychological theories; social status and social roles; application of role theories in study of socialization and personal adjustment. Prerequisite: Sociology 2710.
3662. **The Sociology of Religion.** (3-0-3) F-odd-numbered years. Study of the development of religious and functional significance of beliefs and rituals. Prerequisite: Sociology 2710.
3681. **Public Opinion and Propaganda.** (3-0-3) F. Analysis of the fundamentals of communication, the opinion making process, and methods of opinion and attitude manipulation and measurement. Prerequisite: Sociology 2710.

- 3700. Dynamics of Collective Behavior.** (3-0-3) S. Analysis of transitory phenomena, including publics, audiences, crowds, mobs, riots, and social movements. Prerequisite: Sociology 2710.
- 3721 (4721). Social Stratification.** (3-0-3) S. A descriptive and theoretical analysis of the issues of social inequities and social justice; a study of the problems created by differential status, power, and social mobility.
- 3770 (4770). Sociological Analysis of Crime and Criminal Justice System.** (3-0-3) S. An advanced study of social-psychological factors of crime and the adult offender, vis-a-vis the Criminal Justice system; i.e., apprehension, adjudication, treatment and prevention practices. Prerequisites: Sociology 2710, 2761 or permission of the instructor.
- 3780. Policing Society: A Sociological Analysis.** (3-0-3) F. A critical sociological analysis of the role of being a policeman and an analysis of the social and organizational structure of police organizations in a democratic society. Prerequisites: Sociology 2710 and 2761.
- 3801. The Sociology of Rural Life.** (3-0-3) F. Study of patterns of land settlement, social interaction, social structure and function, and social problems unique to the rural way of life. Prerequisite: Sociology 2710.
- 3810. The Sociology of Urban Life.** (3-0-3) F. Analysis of the social structure and function, social processes, and planning and development of the city. Prerequisite: Sociology 2710.
- 3903. Sex Roles and Social Change.** (3-0-3) S. A sociological and anthropological study of women's roles, the evolutionary development of female and male roles, the roles of women and men in non-literate societies, and problems of women in the changing socio-cultural environment of the modern world.
- 3950. Social and Cultural Aspects of Energy.** (3-0-3) S. An analysis of the social implications of energy in a social change context; impediments to the development of alternate energy systems; trends and projected changes. Prerequisite: Sociology 2710 or permission of the instructor.
- 3990. Summer Studies in Ireland and Britain.** (Arr.-Arr.-6) Su. Independent research in sociology. Six weeks of residence in the Republic of Ireland or Britain will be required. Prerequisites: Sociology 2710 and junior or senior standing. Note: No more than three semester hours may be counted toward a minor.
- 4251. The Sociology of Education.** (3-0-3) F-odd-numbered years. Sociological analysis of the structure and function of educational institutions. Emphasis on social processes, patterns, and trends. Prerequisite: Sociology 2710.
- 4275. Internship in Sociology.** (Arr.-Arr.-1 to 15). A semester experience or an intern in an agency or organization relevant to the student's option. The course will be offered on credit/no credit basis; however, the total hours must not exceed 12 hours including courses taken in any other internship offered by the University. Prerequisites: Permission of the department chairperson, and acceptance of the student by the agency or organization involved.
- 4400. Independent Study.** (Arr.-Arr.-1 to 3). Individual study of a topic of the student's choice under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to central registration. This course may be repeated for a total of not more than six semester hours of credit. Prerequisites: Fifteen semester hours of sociology, consent of supervising faculty member, and permission of the department chairperson.
- 4520. The Development of Sociological Thought.** (3-0-3) F, S. This course treats the growth of social thought from the pre-scientific to the modern empirical approach based on current modes of sociological inquiry. Restricted to majors and minors in sociology and social science. Prerequisite: Sociology 2710.
- 4622. Research Methods for Collecting Social Data.** (3-0-3) F, S. Surveys social scientific methods developed to collect data in human populations. Stresses importance of problem formulation, research design and interpretation. Prerequisite: Sociology 2710.
- 4702. Sociology of Medicine.** (3-0-3) F. Analysis of the relationship between pathology and social structure, function, and processes. Prerequisite: Sociology 2710.
- 4730. Marriage and the Family.** (3-0-3) F, S. Background of the modern family; the impact of culture and social change; personality factors involved in marriage; family disorganization.
- 4740. Racial and Cultural Minorities.** (3-0-3) S. The causes and consequences of prejudice and discrimination; the effects of majority and minority status for intergroup relations. Prerequisite: Sociology 2710.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Sociological Analysis of Juvenile Delinquency.** (3-0-3) S. Advanced study of theories of etiology, treatment and prevention. Prerequisites: Sociology 2710, 2761 or permission of the instructor.
- 4790. The Correctional Process: A Sociological Analysis.** (3-0-3) F, S. Provides an understanding of the entire field of correctional systems, in terms of its official objectives, its actual effects and effectiveness including special focus on experimental programs. Prerequisites: Sociology 2710 and 2761.
- 4800. Sociological Aspects of Gerontology.** (3-0-3) F. Review of current gerontological theories and research; consideration of structural and functional aspects of the social order as related to the aging process. Prerequisite: Sociology 2710.
- 4900. Individual Problems in Sociology.** (3-0-3) F, S. Analysis of selected current social problems with emphasis on sociological research techniques. Restricted to majors in Sociology and Social Science. May be taken twice for credit. Prerequisite: Sociology 4520; senior standing or permission of the instructor.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to graduate students.)

- 5030. Contemporary Sociological Theory.** (3) F. Consideration of the major contemporary sociological theories and conceptual orientations.
- 5070. Advanced Research Methods in the Social Sciences.** (3) F. Philosophy of the social sciences, alternative strategies of research design, data collection methods, techniques of causal analysis, use of library computer programs for data analysis, issues and techniques in the evaluation of social programs. Prerequisites: Sociology 3610 and 4622.
- 5100. Social Organization.** (3) F. Analysis of social groups in the context of social structure, latent and manifest functions, social processes, and the nature of recruitment.
- 5150. Advanced Criminology.** (3) F. Seminar exploring recent innovations in the criminal justice system. Prerequisites: Sociology 4750 and 3770, or their equivalents.
- 5200. Urban Social Problems.** (3) F. In-depth analysis of major social problems of the city. The generation of hypotheses and research proposals will be emphasized.
- 5250 (5800). Social Change.** (3) S. Analysis of theories of social change; emphasis on the major forces in social change as revealed by historical examples.
- 5300. Community Planning and Development.** (3) S. Analysis of the techniques to facilitate orderly growth and redevelopment of the total community, including the study of both social and environmental problems.
- 5350. Advanced Sociology of Medicine.** (3) S. A comprehensive sociological description and analysis of the medical profession in the United States. Medicine will be considered as a social institution in its relationship to other social institutions and to the sub-systems of institutions, especially the community. Prerequisite: Sociology 4702 or permission of the department chairperson.
- 5450 (5751). Advanced Gerontology — The Aged in Transitional Society.** (3) S. An analysis of the processes involved in development and coordinating programs and experiences necessary to utilize the resources of the aged in a transitional society.
- 5930. Internship in Social Relations.** (3 to 6) A supervised work experience in local agencies to familiarize students with actual day-to-day operations and procedures relevant to the student's option.
- 5950. Thesis.** (3 to 6) Note: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study.** (1 to 6) Individual pursuit of study selected by the student in collaboration with an instructor. Note: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

SPECIAL EDUCATION

Shanks, K.S., Chairperson, Brulle, Dawson, Ivarie, J., McIntyre, Peary, Reid, Williams, E.J., Zimarowski, C.K.

Undergraduate Courses

- 3000 (2500). Education of Individuals Labelled Exceptional. (3-0-3)** A study of the special educational needs of students with exceptional characteristics; the methods; and the educational programs designed to meet their needs in the public schools.
- 3200. Characteristics of Individuals Labelled Mildly/Moderately Exceptional. (4-0-4) F, S.** Course includes characteristics of individuals with learning disabilities, behavior disorders, and/or mental retardation; to include historical perspectives, terminology, and etiology of each condition. Must be taken concurrently or as a prerequisite to Special Education 3250, 3260, or 3280. Open to non-majors.
- 3220. Characteristics of Children (Birth to Five) Labelled Exceptional. (3-0-3) F.** Development of competencies in identifying infants and young children at risk for handicaps and rationale for early identification and intervention. Prerequisites: Special Education 3000 and concurrent enrollment in Special Education 3225. Limited to Special Education majors.
- 3225. Observation of Children (Birth to Five) Labelled Exceptional. (0-4-2) F.** Sixty clock hours of observation of behaviors of children (birth to five) labelled exceptional are required. Must be taken concurrently with Special Education 3220 by Special Education majors in the Early Childhood Handicapped Approval program. Limited to Special Education majors.
- 3250. Observation of Individuals Labelled Mildly/Moderately Exceptional: Learning Disabilities. (0-2-1) F, S.** Sixty clock hours of observation or simulation of individual's behaviors that cause them to be labelled learning disabled. Must be taken concurrently with or subsequent to Special Education 3200 by Special Education majors seeking certification in learning disabilities. Limited to Special Education majors.
- 3260. Observation of Individuals Labelled Mildly/Moderately Exceptional: Educable Mentally Retarded. (0-2-1) F, S.** Sixty clock hours of observation and/or simulation of behaviors of children labelled mildly or moderately retarded are required. Must be taken concurrently with Special Education 3200 by Special Education majors seeking certification in educable mentally retarded. Limited to Special Education majors.
- 3280. Observation of Individuals Labelled Mildly/Moderately Exceptional: Behavior Disorders. (0-2-1) F, S.** Sixty clock hours of observation of behaviors of children labelled exceptional are required. Must be taken concurrently with or subsequent to Special Education 3200 by Special Education majors in the behavior disorders approved program. Limited to Special Education majors.
- 3500. The Education of Individuals with Exceptionalities. (3-0-3)** Identification of the individual with exceptionalities and a study of the educational needs of individuals with exceptional characteristics including, but not limited to, children labelled learning disabled. Appropriate methods of instruction employable by classroom teachers, and educational programs designed to meet individual needs in the public schools will be examined. Not open to students whose major is Special Education.
- 3600. Learning Theory Models in Special Education. (2-2-3)** Course will examine theories of learning as they apply in Special Education and will provide practicum experience in applying theories with children. Prerequisite: Special Education 3000 or concurrent enrollment.
- 3700. (4970). Vocational Development for Individuals Labelled Exceptional. (3-0-3) F.** A study of vocational orientation, work orientation, vocational programming and job placement for the handicapped student. Prerequisite: Junior standing; enrolled in or employed in special education and/or vocational education programs.
- 4444. Honors Independent Studies. (3)** Consideration of special topics in special education. Special emphasis on an area of interest to the student approved by faculty supervisor and Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and the Department Honors Coordinator.
- 4520. Facilitating Language in Children (Birth to Five) Labelled Exceptional. (3-0-3) F.** Development of assessment and intervention strategies to facilitate spoken language and pre-reading activities. This course is designed for special education personnel, but not designed to prepare speech/language pathologists. Prerequisites: Special Education 3220 and Speech Pathology and Audiology 2210.
- 4530. Facilitating Language of School Age Individuals Labelled Exceptional. (3-0-3) S.** Development of assessment and intervention strategies for teacher in Special Education to facilitate spoken and written language development of school age students. This course is designed for Special Education personnel, but not designed to prepare speech/language pathologists. Prerequisites: Special Education 3000 and Speech Pathology and Audiology 2210. Permission of the department required for non-majors.
- 4600. Communication Skills and Community Services. (3-1-3) F, S.** Consideration of the problems of communication in Special Education and the community services available for individuals labelled exceptional and their parents. Particular emphasis will be on the role of the Special Education teacher as facilitator in the communication process between school and home. Departmental permission required for non-majors.
- 4644. Honors Thesis. (3)** Intensive research in preparation of a thesis on a topic in special education approved by faculty supervisor and the Departmental Honors Coordinator. Prerequisite: Permission of the Director of Honors Programs and Departmental Honors Coordinator.
- 4666. Honors Seminar. (Arr.-Arr.-3)** Areas of investigation which require integration of special education and research will be treated. Prerequisite: Permission of the Director of Honors Programs and the Departmental Honors Coordinator.
- 4700. Curriculum and Materials in Special Education. (3-0-3) F, S.** Curriculum issues and the decision making process to educate individuals labelled mildly/moderately exceptional will be studied. Individualized education plan writing skills will be related to curriculum development and material selection. Prerequisites: Special Education 3000; and 3250 or 3260 or 3280 or permission of the department.
- 4720. Curriculum and Materials in Early Childhood Special Education. (2-0-2) S.** Intervention models development, and selection of curriculum and materials in Early Childhood Special Education are the focus on the course. Prerequisites: Special Education 3220 and 3225.
- 4741. Independent Study. (Arr.-Arr.-1-3)** May be repeated for a total of six semester hours credit. Prerequisite: Permission of the department chairperson.

Courses Open To Juniors, Seniors, and Graduate Students

- 4765. Gifted and Creative Students. (3-1-3) S.** Seven-numbered years. A course in identifying gifted and creative children, studying their characteristics, their diversity of talents, and curriculum provisions.
- 4800 (4770). Diagnosis of Children with Exceptionalities. (3-2-4)** Course deals with means and methods of diagnosing the educable mentally handicapped, learning disabled, and socially and emotionally maladjusted. Includes essentials of psycho-educational testing, formal and informal instruments of assessment, and interpretation of results. Prerequisites: Special Education 3000; 3250 or 3260 or 3280 and Mathematics 2250, or permission of the department chairperson.
- 4820 (4750). Educational Assessment of the Pre-School Child. (3-0-3) S.** The nature and characteristics of young handicapped children and the study of identification and assessment techniques for teachers of pre-school children. Prerequisites: Special Education 3220 and 3225 or permission of the department chairperson.
- 4920 (4760). Educating the Pre-School Child with Handicaps. (3-1-3) F.** Special need of the pre-school handicapped child. Teaching techniques and curriculum modifications related to perceptual, conceptual, and language abilities, and to the development of the self-concept. Prerequisite: Special Education 4820.
- 4950. Methods of Teaching Children with Learning Disabilities. (3-1-3)** This course deals with the various methods and techniques of remediation of children with learning disabilities. Prescription writing, procedures of teaching; curriculum needs, and classroom management of such children will be studied. Prerequisites: Special Education 3000, 3200, 3250, and 4800 or permission of the department chairperson.
- 4960 (4900). Methods of Teaching Children with Mental Handicaps. (3-1-3)** Class and curriculum organization and introduction to methods and techniques of teaching educable mentally handicapped children. Prerequisites: Special Education 3000, 3200, 3260, and 4800 or permission of the department chairperson.
- 4961. Methods for Teaching and Evaluating Individuals Labelled Trainable Mentally Handicapped. (2-1-2) Su.** This course is designed to acquaint teachers and prospective teachers with methods and materials appropriate for use with individuals labelled TMH. The course includes topical discussions and practicum assignments.

Prerequisites: Special Education 3260, 4800, or permission of the department chairperson.

- 4980 (4880). Methods of Teaching Children with Behavior Disorders.** (3-1-3) Remedial methods of teaching the socially and emotionally mal-adjusted. Prerequisites: Special Education 3000, 3200, 3280, and 4800 or permission of the department chairperson.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5120. Current Issues in Special Education.** (3) A study of the cultural, sociological, educational and legal factors which are relevant to the understanding of etiological and therapeutic problems of emotional children.
- 5670. Assessment for Special Education.** (3) An advanced course in psychoeducational diagnosis of exceptional children. Administration and interpretation of normed and criterion referenced instruments. Prerequisite: Special Education 4800 or equivalent.
- 5770. Practicum in Special Education.** (3-6) Supervised developmental and/or remedial work with exceptional children in behavioral and academic areas. The student will gain experience in writing individualized educational programs. This course may be repeated for six semester hours credit.
- 5870. Supervision and Curriculum in Special Education.** (3) Curriculum development for various special education programs and their rationale. Develops an understanding of the role of the special educator in relation to the school and community. Prerequisite: Twelve semester hours in special education or permission of the chairperson of the department.
- 5900. Research in Special Education.** (3) Students in this course will develop skills necessary to analyze research designs involving special education methodology and will be able to interpret statistics through multiple regression.
- 5950. Thesis.** (3 to 6) *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study.** (1 to 6) *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

SPEECH COMMUNICATION

Bock, D., Chairperson, Beabout, A., Bryant, Ewart, Garner, Graham, Hadwiger, K., Harrison, Heumann, Hopkins, McClerren, McGinnis, McSwain, Merritt, Norberg, Oseguera, Parcells, Perkins, Rundle, Smith, C.N., Wiley, R., Wiley, W., Worthen.

Undergraduate Courses

- 1020. Applied Forensics.** (Arr.-Arr.-1 to 4) Individual study and work in the various intercollegiate activities of the forensics program. Prerequisite: Permission of the department chairperson. A maximum of four semester hours may be earned; however, a total of four semester hours credit may be counted towards a bachelor's degree for a combination of 1020 and 3020.
- 1310. Introduction to Speech Communication.** (3-0-3) Fundamental principles of selecting, analyzing, evaluating, organizing, developing, and communicating information, evidence, and points of view.
- 1390 (1310H). Introduction to Speech Communication for Honors Students.** (3-0-3) Fundamental principles of selecting, analyzing, evaluating, organizing, developing and communicating information, evidence, and points of view.
- 1400. Parliamentary Law.** (0-2-1) F. S. The theory and practice of democratic, orderly conduct of business through application of accepted rules of procedure.
- 2300. Persuasion.** (3-0-3) Study of attention, credibility, emotion, identification, motivation, rationalization, and suggestion in communication. Practice in these materials is achieved through speech performance.
- 2320. Discussion.** (3-0-3) Study of the nature of discussion and bases of belief: subject-problems, preparation, process, leadership, participation, types and forms, and evaluation. Practice in techniques of effective group discussion.
- 2340. Reasoning in Controversy.** (3-0-3) Study of the responsibility of the advocate in investigation and analysis of evidence; structure of argument; reasoning and refutation.

- 2520. Introduction to Mass Communications.** (3-0-3) Survey of the origin and growth of the media, the social basis of radio, TV, and motion pictures and the physical nature of mass communications systems.
- 2530. Fundamentals of Cinematography.** (1-4-3) Introduction to cinema theory and the preparation, production, direction, and technical evaluation of motion picture film. May be taken twice with the approval of the department chairperson and the Dean, College of Arts and Sciences.
- 2540. Understanding Media.** (3-0-3) The origin and development of broadcasting. An historical survey of radio programs, and television productions.
- 2550. Basic Broadcast Speech.** (2-2-3) A competency based introduction to the process and problems of working with microphones in any "broadcasting" situation. Work will include diction and delivery techniques for broadcasting in addition to a study of microphone types, characteristics, and usages.
- 2630. Language and Human Communication.** (2-2-3) F. S. Language analysis serves as a vehicle for exploring interpersonal communication through lecture-discussions and laboratory experiences. Students are exposed to principles of human communication with special emphasis placed on critical thinking as a tool for improving everyday communication skills and avoiding misunderstandings.
- 3020. Advanced Applied Forensics.** (Arr.-Arr.-1 to 4) Individual study and work in the various intercollegiate activities of the forensics program. Prerequisite: Permission of the department chairperson. A maximum of four semester hours may be earned; however, a total of four semester hours credit may be counted towards a bachelor's degree for a combination of 1020 and 3020.
- 3200. Speech Criticism.** (3-0-3) S. Comparative study in which standards of judgment deriving from the social interaction of a speech situation are applied to public addresses to determine their immediate or delayed effect upon audiences and society.
- 3230. Advanced Public Speaking.** (3-0-3) Principles and techniques of audience analysis, topic analysis and preparation, communication theories, and performance and evaluation. Prerequisites: Speech-Communication 1310 and 2300.
- 3300. Interview and Conference.** (3-0-3) Keynotes for this course are practicality and usability. It includes the selection, organization and oral presentation of ideas and supporting materials in interview, conference, and interpersonal situations. Prerequisite: Speech Communication 1310.
- 3400. Teaching Speech.** (3-0-3) F. Study of problems, methods, and materials, in teaching oral communication; teaching and directing co-curricular activities. Thirty clock hours in pre-student teaching are required. Prerequisites: Educational Psychology 3325 and Secondary Education 3330; fourteen semester hours in speech communication.
- 3500. Introduction to Electronic Mass Media Production in Public Relations.** (2-2-3) F. A study of the theory and practice of electronic mass media production for origination and dissemination for Public Relations. Does not count toward speech communication major or minor. No credit if Speech Communication 3520 or 3540 is taken.
- 3520. Radio Production.** (1-4-3) Study of equipment and techniques involved in producing radio programs: announcing, scripting, writing, and producing. Practical experience in a variety of production experiences. Prerequisite: Speech Communication 2520 or Journalism 2100.
- 3530. Film Communication.** (3-0-3) Film as the expression of the performers and technicians. Critical discussion of the film form and content.
- 3540. Television Production.** (1-4-3) Study and practice of adapting demonstrative documentary and dramatic communications to the television medium. Exercises using studio TV equipment. Prerequisite: Speech Communication 2520 or Journalism 2100 or Marketing 3510.
- 3550. Advanced Broadcast Announcing.** (1-4-3) A specialized course in handling all phases of commercial radio announcing. Copy preparation, rewriting, "fact-sheet" commercials, music introductions, narration, "voice-over," and editorial copy will be considered. Laboratory work will stress "on the air" experience with the campus radio station. Prerequisite: Speech Communication 2550 or permission of the instructor.
- 3610. Broadcast News Writing.** (2-2-3) Emphasis will be placed upon fitting news copy and coverage to station requirements and audience needs in varying market situations. This course will include news gathering, analysis, editing, and rewriting of wire service copy for broadcasting. Prerequisite: Journalism 2102 or Speech Communication 2520.

- 3620. Broadcast News and Special Events. (2-2-3)** A study of the electronic news gathering process, editing, presentation and evaluation for radio and television. Creation of special programs for WELH. Prerequisite: Speech Communication 2520 or Journalism 2102; two of Speech Communication 2530, 3520, 3540, 3610.
- 3700. Speech Communication Research. (3-0-3) F.** Introduction to the use and application of quantitative and qualitative research methods in speech communication. Prerequisite: Junior standing required.
- 3900. Directing Forensic Activities. (3-0-3) F.** Designed to prepare those entering the field of speech education on the secondary and college levels to direct an extracurricular forensics program. Prerequisites: Speech Communication 2320 and 2340.
- 3903. The Rhetoric of Women. (3-0-3) F.** Study of the issues relevant to the Women's Movement and the answers given by women through public communication. May be taken three times for credit.
- 4000. Independent Study. (Arr.-Arr.-3)** Consideration of special problems in speech and speech education. Student presents individual study plan for researching history, theory, and/or practice of oral communication. Prerequisites: Permission of the department chairperson and 2.75 grade point average required.
- 4030. Seminar. (3-0-3)** Seminar in topics which are not covered in the course offerings of the Department of Speech Communication. More than one section in more than one topic possible each semester. May be repeated, but only three semester hours may be counted toward a major. Prerequisite: Permission of the instructor or the department chairperson.
- 4170 (2170). Oral Communication Theories. (3-0-3) F.** Historical survey of major theorists and theories.
- 4275. Internship. (Arr.-Arr.-1 to 12) (Credit/No Credit).** On-the-job experience in a firm or organization approved by the department. To be taken Credit/No Credit, but not to count against the maximum of 12 semester hours in Credit/No Credit option. Prerequisites: Permission of department chairperson, acceptance of student by firm or organization, and satisfactory completion of twelve or more semester hours credit in Speech Communication courses directly related to the internship program. Only six semester hours may be counted toward the Speech Communication major. A grade point average of at least 2.75 is required.
- 4420. Mass Media Advertising-Sales. (2-2-3) S.** A study of theory, ethics, and legal implications of mass media advertising to include analysis of marketing problems and the role of advertising in their solution. Prerequisites: Speech Communication 2520, 3520 or 3540; and Journalism 4501.
- 4444. Honors Independent Study. (3-6)** Consideration of special topics in speech communication. Student presents a prospectus for researching history, theory, and/or practice of oral communications. Prerequisite: Permission of the Director of the Honors Programs and the Department Honors Coordinator.
- 4470. Small Group Communication. (3-0-3) S.** An analysis of theoretical constructs in group dynamics, leadership, participation, and evaluation of group performance.
- 4555. Honors Research. (3-6)** In consultation with a faculty member, the student designs, executes, and writes the results of an original piece of research. Any methodology may be utilized. Prerequisite: Permission of the Director of the Honors Programs and the Department Honors Coordinator.
- 4644. Honors Thesis. (3)** Intensive research in preparation of a thesis on a topic in speech communication approved by a faculty supervisor and the Department Honors Coordinator. Prerequisite: Permission of the Director of the Honors Programs and the Department Honors Coordinator.
- 4666. Honors Seminar. (3-6)** Areas of investigation which require integration of speech communication concepts and research will be treated, e.g., effects of mass communication, criticism of speakers or media, evaluation of communication techniques. Prerequisite: Permission of the Director of the Honors Programs and the Department Honors Coordinator.
- current research. Prerequisite: Speech Communication 2520 or Journalism 2100 or graduate standing.
- 4760. Theories of Interpersonal Communication. (3-0-3) F.** An examination of contemporary theories and models.
- 4800. Contemporary American Public Address. (3-0-3) F.** Study of competing points of view on a series of critical issues of the Twentieth Century.
- 4820. Fundamentals of Public Relations. (3-0-3) S.** Techniques of a positive public relations program, including the process, tools and application. Prerequisite: Journalism 3100 or 3820 or permission of the instructor. Credit not granted for both Speech Communication 4820 and Journalism 4820.
- 4830 (2830). Language Habits in Human Affairs. (3-0-3) S.** Language and meaning are explored through a theoretical investigation. The consequences of spoken word habits for human affairs are specified through a review of speech communication research. Prerequisites: Speech Communication 2630 and Philosophy 1800.
- 4860. Psychology of Speech. (3-0-3) S.** Study of the nature, origin, and purposes of speech; basic psychological principles; the communicative process; group communication; personality and speech.
- 4920. Case Studies in Public Relations Problems. (3-0-3) S.** Public relations case problems in industry, business, labor, education, government, social welfare and trade associations; the application of public relations techniques. Prerequisite: Speech Communication 4820 or permission of the department chairperson. Credit not granted for both Speech Communication 4920 and Journalism 4920.
- 4996. Problems in Teaching Speech. (3-0-3)** The analysis of specific problems peculiar to speech education and problems in general education applicable to the speech classroom.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5000. Introduction to Graduate Study. (3) F.** An introduction to research methods, bibliographical resources, and professional writing in the field of speech. Required of all speech communication graduate students.
- 5030. Seminar. (3) On demand.** A study of different aspects of speech communication. Topics will vary according to student demands, availability, and interest of faculty.
- 5100. Advanced Argumentation Theory. (3)** A study of advanced theory into the nature, function and structure of argument.
- 5320. Background of Rhetoric. (3)** A study of rhetorical theory from 465 B.C. through 1400 A.D.
- 5400. American Public Address. (3)** A study of the influence of public speakers on the creation of American ideals and policies during the colonial and early national period to 1850.
- 5410. American Public Address. (3)** A study of public speaking in America from 1850 through the early Twentieth Century.
- 5420. Operation and Regulation of Broadcast Stations. (3)** A study of federal regulations and operating techniques used by U.S. broadcast stations as related to programming, sales, news, personnel hiring, licensing and related items.
- 5430. Economics of Mass Media. (3)** A study of the sales department media institution as the prime source of revenue.
- 5440. Television Criticism. (3) F.** A study of various critical approaches to the analysis of the medium of television. Consideration will be given to the historical, economic, political, cultural and sociological impact of television.
- 5450. The Nature and Problems of Mass Communication. (3)** Analysis of problems resulting from the use of the mass media as channels of communication. Emphasis on the decision making process within the media, the media's function as channel for information, the media's function as channel for persuasion, and the media's role in the support or change or cultural norms.
- 5460. Seminar on Film History. (3)** A study of the unique problems in film history, through an analysis of various national cinemas. The instructor will choose a specific topical area and will design the seminar's work around it.

Courses Open To Juniors, Seniors, and Graduate Students

- 4750. Advanced Theory of Mass Communications. (3-0-3) F.** Survey of legal procedures of broadcast law, a survey of audience analysis, the structure of mass communications audiences, propaganda, communication networks, social and self-regulation of the media, and

5580. **Theories of Leadership in Communication.** (3) An investigation of leadership theories and their relationship to interpersonal communication.
5600. **Deliberation of Human Problems.** (3) Investigation, discussion, and debate as modes of procedure in human affairs. Principles and procedures applied to actual problems.
5620. **Modern Rhetorical Theory.** (3) Survey of Twentieth Century theories of rhetoric.
5720. **British Public Address.** (3) Study of British public speakers with emphasis upon their abilities to utilize the canons of rhetoric to influence given audiences on given occasions.
5760. **Laboratory in Human Interaction.** (3) Practical application of major communication theories. Prerequisite: Speech Communication 4760 or 2830 or permission of the instructor.
5830. **Seminar in Teaching Speech on the College Level.** (3) Objectives: problems, methods, materials in teaching college speech. An evaluated teaching unit is required. Prerequisite: Nine semester hours in speech or permission of the department chairperson.
5890. **Philosophical Foundations of Speech.** (3) Studies designed to synthesize the student's rhetorical background and to philosophically related rhetoric to philosophy, logic, politics, ethics, and language.
5950. **Thesis (3 to 6)** *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and/or 5990 and/or 5997.
5990. **Independent Study.** (1 to 6) The study and reports on a specific problem in speech. Student presents an individual study plan for researching history, theory, and/or practice of speech. *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and/or 5950 and/or 5997. Prerequisite: Permission of the department chairperson.
5997. **Study Abroad.** (3 to 6) Special permission of the department. *Note:* A maximum of nine semester hours may be earned in a combination of 5997 and/or 5950 and/or 5990.

SPEECH PATHOLOGY AND AUDIOLOGY

Nilsen, Jill M., Chairperson, Augustine, Blair, Dodson, Griffith, Hanner, King, Richard, Thurman, Weiler, N.

Undergraduate Courses

1100. **Phonetics.** (2-0-2) S. Physiologic and acoustic bases of English phonetics. The course develops IPA transcription skills in standard, dialect, and defective speech patterns.
2110. **Structure and Function of the Speech and Hearing Mechanisms.** (2-0-2) F. Basic neurologic, anatomical and physiologic concepts.
2140. **Speech Science.** (3-0-3) S. Applies basic acoustic and physiologic information to normal speech: speech sounds, pitch, loudness, quality, and rate. Students observe at least 25 hours in the clinic.
2210. **Language Acquisition.** (3-0-3) F, S. A definition of language, language development patterns in children from birth through adolescence.
2800. **Introduction to Speech Pathology.** (3-0-3) S. A study of the pathology, etiology and treatment of articulatory, voice, hearing, stuttering, and organically based speech disorders. Students with credit in Speech Pathology and Audiology 2800 may not also have credit in Speech Pathology and Audiology 4800.
2830. **Evaluation and Therapy.** (3-0-3) F. Training in specific diagnostic techniques for speech disorders; planning specific corrective techniques. Students observe at least 25 hours in the clinic. Prerequisite: Speech Pathology and Audiology 2800.
3250. **Language Disorders in Children and Adolescents.** (3-0-3) F. Evaluation and intervention procedures for both delayed and disordered language patterns in children and adolescents. Prerequisites: Speech Pathology and Audiology 2210, 2800, or permission of the instructor.
3300. **Voice and Articulation Disorders.** (3-0-3) F. Nature, causes and treatment of voice and articulation disorders. Prerequisites: Speech Pathology and Audiology 2800 or permission of the instructor.
3410. **Stuttering.** (2-0-2) S. Prominent theories of causes of stuttering are surveyed. Corrective techniques are studied and evaluated. Prerequisites: Speech Pathology and Audiology 2800, 2830 or permission of the instructor.
3500. **Organic Disorders of Speech.** (3-0-3) S. Etiology and correction of organic disorders of speech; cleft palate, cerebral palsy, and laryngectomy. Aphasia will be included briefly. Prerequisites: Speech Pathology and Audiology 2800, 2830, 3300 or permission of the instructor.
3600. **Audiology.** (2-0-2) F. The study of the basic process of hearing and its assessment. Students conduct hearing surveys and do individual hearing tests. Prerequisite: Speech Pathology and Audiology 2800 or permission of the department chairperson.
3651. **Aural Rehabilitation I.** (2) S. Study of rehabilitation for the hard-of-hearing, including techniques of hearing aid selection. Prerequisite: Speech Pathology and Audiology 3600 or permission of the instructor.
4700. **Clinical Practice.** (Arr.-Arr.-1 or 2) Supervised work with a variety of speech and hearing defects; 18 clock hours per semester hour's credit. At least nine clock hours of written and conference work are also required per semester hour. Prerequisites: Speech Pathology and Audiology 1100, 2210, 2800 2830, 3250, 3300 or permission of the department chairperson. Permission may be denied if the student has not attained a 2.5 overall grade point average and a 2.75 grade point average in the Speech Pathology and Audiology major.

Courses Open To Juniors, Seniors, and Graduate Students

4750. **Independent Study.** (Arr.-Arr.-1 to 6) (May be repeated to a maximum of six semester hours). Independent directed study of a specific problem or problems in speech pathology, audiology, speech or hearing correction. Prerequisite: Permission of the department chairperson.
4754. **Communication Skills with the Deaf.** (1-2-2) F. Development of basic skills in the use of cued speech and Signed English; laboratory use of audio and video tapes to practice receptive skills; direct interaction with the instructor for practice in delivering and receiving cues and signs. Prerequisite: Permission of the department chairperson.
4755. **Research Methods and Design.** (2-0-2) F. Introduction to research methods and experimental design in speech pathology and audiology.
4758. **Phonological Assessment and Remediation.** (1-0-1) Development of basic skills in phonological assessment and remediation. Practical application of learned skills is stressed. Prerequisites: Speech Pathology 1100 and 2800.
4760. **Advanced Audiology.** (2-0-2) F. Advanced study of the assessment of hearing losses. Emphasis on a functional test battery, diagnostic problems, and hearing aid selection. Prerequisite: Speech Pathology and Audiology 3600.
4770. **Advanced Study in Language Disorders.** (2-0-2) Advanced study of evaluation and intervention procedures for both delayed and disordered language patterns in children and adolescents. Prerequisites: Speech Pathology and Audiology 2210, 2800, 3500, Psychology 5015 or permission of the instructor.
4780. **Voice Disorders.** (2-0-2) S. Advanced study of etiology and correction of functional and organic voice problems. Voice pitch, quality, and intensity. Prerequisite: Speech Pathology and Audiology 3300.
4800. **Speech-Language-Hearing Services in the Schools.** (3-0-3) S. Classification, incidence, prevention, and classroom management of defective speech and nature of speech correction services. Students with credit in Speech Pathology and Audiology 2800 may not also have credit for Speech Pathology and Audiology 4800.
4850. **Professional Relationships for the Speech-Language Pathologist.** (2-0-2) F. Conducting and participating in speech-language professional staffings, presentation of clinical information to parents and relatives of speech-language handicapped clients, and establishing a professional role in various work settings. Elective for students writing a thesis.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5350. **Articulation Disorders.** (2) F. Advanced study of causes and treatment of articulation disorders. Testing, symptomatology and correction are stressed. Prerequisite: Speech Pathology and Audiology 3300.

- 5390 (4790). Advanced Study of Stuttering.** (3) S. Advanced study of the problem; integration of prominent theories and treatment in stuttering; analysis of significant findings and trends in research on stuttering. Prerequisite: Speech Pathology and Audiology 3410.
- 5430. Aural Rehabilitation II.** (3) S. Continued study of aural rehabilitation including medical, psychological, vocational aspects and amplification systems. Prerequisites: Speech Pathology and Audiology 3600, 3651, 4760.
- 5470. Advanced Clinical Practice.** (1 to 3; 1 or 2 Su) Supervised corrective work with clients with speech and/or hearing defects. Prerequisites: Speech Pathology and Audiology 4700; permission of the Director of the Speech and Hearing Clinic. May be repeated for a maximum of eight semester hours.
- 5490. Organic Speech Disorders.** (3) F. Diagnosis and therapy for aphasia and related disorders. Prerequisite: Speech Pathology and Audiology 3500 or permission of the instructor.
- 5950. Thesis.** (3 to 6) *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study.** (1 to 6) Independent, directed study of a specific problem or problems in speech pathology, audiology, speech or hearing correction. Prerequisite: Permission of the instructor and the department chairperson. *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

STUDENT LEADERSHIP

- 3000. Student Government Leadership.** (2-0-2) S. May be taken Credit/No Credit only. Restricted to sophomores and juniors. A seminar in student leadership with emphasis on the development of leadership skills, governance in higher education, the administration of Eastern Illinois University, student government, and the student's role in governance.

STUDENT TEACHING

Summers, F., Chairperson, Carey, J.E., Clay-Mendez, Elmore, Flaughner, Gerling, Graham, Grigoroff, Hanner, Lanman, McFarland, Muller, Murphy, Preston, Radtke, Reed, M.A., Roland, Ruyle, Shepherd, Smith, K.A., Stake, Vincent, Westbrooks, Williams, E.

Undergraduate Courses

The number of semester hours of student teaching required for graduation varies with the student's curriculum. All special education students are required to earn 16 semester hours of credit in student teaching with eight semester hours required in special education and eight semester hours required in the option area. A student enrolled in elementary or junior high school education must enroll for a minimum of eight semester hours and may enroll for a maximum of 15 semester hours of credit in student teaching.

A student enrolled in a high school curriculum is required to earn 12 semester hours of credit in student teaching and may elect to take a total of 15 semester hours in student teaching. Questions pertaining to student teaching should be directed to the subject area coordinator or the chairperson, Department of Student Teaching.

- 4000. Orientation to Student Teaching.** (Arr.-Arr.-1) Twenty-five clock hours of direct participation in observation and induction activities of a pre-student teaching nature. Required of students pursuing a standard secondary or standard special teaching certificate, except Special Education and Speech Pathology majors.
- 4001. Teaching Practicum.** (Arr.-Arr.-1 to 16) Secondary majors, including candidates for K-12 certification in Art, Music, and Physical Education may enroll for a maximum of 15 semester hours. Special Education majors and Junior High School majors with a Field II in Special Education must enroll for 16 semester hours.

TECHNOLOGY EDUCATION

Dean, Griffin, Jones, R.E., Hudson, Nelms, Sonderman, Strandberg, Trocki, Wright, J.R.

Undergraduate Courses

- 1263. Materials Technology.** (2-2-3) F, S. An analysis of the structure and properties of materials as well as an introduction to processing principles. Emphasis on identification, properties, characteristics and application.

- 1364. Communications Technology.** (2-4-4) F, S. The study and application of the major technological systems used in communication including visual and telecommunication tools, materials, and processes.
- 1413. Technological Systems.** (3-0-3) F, S. Introduction to the study of the technological areas (production, communications, energy, transportation). To include the evolution and current status of each area as well as demonstrating the interrelationship of all three areas.
- 1463. Energy Conversion.** (2-2-3) F. The study of inter-converting energy sources using electrical and mechanical devices. The study includes theory of conversion, principles of operation and design.
- 2033. Communication Processes.** (2-2-3) S. An investigation of the social effects of historical, contemporary and future technical developments in communication and application of the processes used to produce printed and electronic images. Prerequisite: Technology Education 1364.
- 2064. Materials Processing.** (2-4-4) F, S. A study of basic materials and processes used in industry. Emphasis on separating, forming, and combining processes.
- 2242. Primary Grade Technology Education.** (1-2-2) F, S. Industrial arts activities as a teaching device in the primary grades. Emphasis on career, occupational awareness and special education preparation.
- 2252. Intermediate Grade Technology Education.** (1-2-2) S. Industrial Arts activities as orientation to industry manufacturing, etc., with laboratory experiences. (Consumer, career, and special education emphasized.)
- 2324. Energy Technology.** (2-4-4) F, S. Study of modifying, transmitting and controlling of energy sources including mechanical, fluidic and electrical; with emphasis on practical application.
- 3023. Architectural Drafting and Design.** (1-4-3) S. Principles of house construction, construction details, working drawings, and specifications. Prerequisite: Industrial Technology 3013.
- 3033. Production Drafting and Design.** (2-2-3) S. Comprehensive study of uses and construction of production drawings in graphic communication. Prerequisite: Technology Education 2033 or Industrial Technology 1043.
- 3043. Communication Preparation.** (1-4-3) F, S. Communication visualization and design, image assembly and paste-up, basic photography and photoconversion, raised surface and screen process printing. Prerequisite: Technology Education 1364.
- 3053. Communication Production.** (1-4-3) F, S. Photoconversion of line, continuous tone copy, film assembly, platemaking, offset lithography, finishing procedures, production estimating and management. Prerequisite: Technology Education 1364.
- 3113. Manufacturing Machine Processes.** (1-4-3) F. Study of processes involved in transforming primary materials into manufactured products through casting, molding, turning, drilling, shaping, milling, and grinding operations. Prerequisite: For Industrial Technology majors: Technology Education 1263; for Technology Education majors: Technology Education 2064.
- 3123. Communications Photography.** (3-Arr.-3) F, S. Black and white photography including exposure control, film processing, and print processing. Color slide processing will be included. Student furnishes 35mm camera.
- 3143. Manufacturing Fabrication Processes.** (1-4-3) S. A study of advanced fabrication processes including forming, shaping, conditioning, fastening and finishing. Emphasis will be placed on heavy manufacturing techniques used for fabricating steel, cast iron, aluminum and plastic. Prerequisite: for Industrial Technology majors: Technology Education 1263; for Technology Education majors: Technology Education 2064.
- 3153. Construction Machine Processes.** (1-4-3) F. A study and practical application of forest products, materials developed by industrial research for use and consumption by society. Special emphasis is placed upon wood processes, construction techniques, finishing and tool sharpening. Prerequisite: for Industrial Technology majors: Technology Education 1263; for Technology Education majors: Technology Education 2064.
- 3162. Technological Connections.** (2-0-2) S. A study of technical trends and related innovations which have caused change and may shape the technological society of the future. Prerequisite: Technology Education 1413 or permission of instructor.
- 3163. Construction Fabrication Processes.** (1-4-3) S. A study of the construction industry through laboratory and/or site experiences; primarily but not limited to, industrialized housing. Prerequisites: For Industrial Technology majors: Technology Education 1263; for Technology Education majors: Technology Education 2064.

- 3200. Organization of Subject Matter. (2-0-2) S.** Overview of contemporary philosophies related to teaching technical information with in-depth study and analysis in the design and development of technology based curriculum. Prerequisite: Four courses in technology education.
- 3203. Energy Systems. (1-4-3) F.** An in-depth analysis of mechanical and fluidic actuators; internal and external engine combustion engine systems; heating, energy sources, characteristics and efficiencies and ventilating, climate control systems within the context of the totality of theoretical and practical application of energy development utilization and control. Prerequisites: Technology Education 1463 or permission of the instructor; the chemistry or physics requirement must be met.
- 3293. Technology and the Junior High School. (2-2-3) S.** Development of an understanding of technology in the Junior High School (middle school) and the teaching of multiple activities in the Junior High Laboratory.
- 3400. Methods of Teaching Technology Education. (3-0-3) F.** Emphasis on the "delivery systems" used in teaching in the technical areas. Students will develop lesson plans and present lessons using the microteaching model. Prerequisites: Educational Psychology 3325 and Secondary Education 3330; four courses in technology education.
- 4003. Research, Experimentation and Development in Technology. (1-4-3) S.** May be repeated in a different technical area on a (0-4-2) basis. Individual in-depth research, laboratory, and/or industrial experimentation of a student selected topic in the areas of communication, production, power or energy.
- 4074 (3074). Production Systems. (2-6-4) F.** A study of the necessary systems for designing, planning and producing the finished product. Prerequisites: Technology Education 1413, 2064 or permission of the instructor.
- 4470. Independent Study. (Arr.-Arr.-1-5)** Technical investigation involving written research and laboratory experimentation. Prerequisite: Permission of the department chairperson.
- 4480. Independent Study. (Arr.-Arr.-1-5)** Research oriented technical investigations involving written research and laboratory experimentation. Prerequisite: Permission of the department chairperson.
- 5090. Seminar in Occupational Education. (1-4) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5143. Readings in Technology. (3) F.** Examination of the characterology and philosophical base of technology and its effects on humankind and society. Emphasis on the process of research, synthesis, and analysis.
- 5153. Technical Developments in Technology. (3) F.** Study of past and present foundational technical developments. Students will trace their technical heritage and identify significant technological developments in production, communication and energy.
- 5163. Contemporary Problems in Technology. (3) S.** Study of present and future foundational technical developments. Emphasis on investigating future technical developments through forecasting, paradigm construction and scenario development.
- 5653. History and Philosophy of Technology Education. (3) F.** A study of past foundational professional developments, pedagogical goals, and objectives of Russian Sloyd, Manual Training, Manual Arts, Vocational Industrial Education, Industrial Arts and Technology Education.
- 5723. Issues and Trends in Technology Education. (3) S.** A study of present and future foundational professional developments in technology education. Students will investigate and identify the state of the art trends and issues facing the profession today.
- 5800. Seminar in Technology. (1-4) F, S.** Reports and discussions of selected topics in technology. May be taken more than once but no more than four semester hours may count toward the major.
- 5803. Facility Planning in Technology Education. (3) S.** Study facilities and equipment needs for teaching technology education, opportunity is provided for planning new laboratories and redesigning established laboratories.
- 5950. Thesis. (3 to 6) Note:** A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
- 5990. Independent Study. (1 to 6)** Preparation of instructional display panels and devices. Slides, transparencies, etc., research papers. Note: A maximum of nine semester hours may be earned in a combination of 5990 and 5950. Prerequisite: Permission of the instructor and approval of the Assistant Dean, School of Technology, required before registration.

Courses Open To Juniors, Seniors, and Graduate Students

- 4913. Organization and Administration of Cooperative Occupational Education. (3-0-3)** Introduction to cooperative education programs, program needs, resources, constraints, public relations, and policy development are analyzed.
- 4923. Coordination Techniques for Cooperative Occupational Education. (3-0-3)** Methods and techniques for preparation of teacher coordinators. Student selection, training agreements, training plans, legal requirements, related class management, individualized instruction, and program evaluation are emphasized.
- 4953. Student Achievement and Program Evaluation. (3-0-3) S.** Comprehensive study of techniques of evaluation and criteria for program evaluation. Prerequisite: Technology Education 3400.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

- 5060. Administration and Supervision of Occupational Education. (3) On demand.** To prepare personnel for administering and supervising occupational education programs. Team teaching in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5070. Seminar in Occupational Education. (3) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Education, Educational Guidance, Health Education, Home Economics, and Technology Education. A student may take the course for credit in only one of the departments.
- 5080. Seminar in Occupational Education. (1) On demand.** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology. Offered in Business Edu-

THEATRE ARTS

Sullivan, G.E., Chairperson, Blanchette, Gabbard, E.G., Gwidalla, Henderson, Paule, Sain.

Undergraduate Courses

- 1132. Voice and Phonetics. (3-0-3) F, S.** A study of voice production and the articulation of sounds; the phonetic alphabet; ear training, and practice in phonetic transcription.
- 1133. Beginning Interpretation. (3-0-3) F, S.** Designed to introduce the student to the study of literature through the medium of oral performance, where the medium is itself a process of defining.
- 1257. Technical Direction. (3-3-3) F.** Concerned with the principles and techniques of construction, painting, rigging, and shifting of stage scenery; and the process of drafting and perspective drawing for the theatre.
- 2000. Rehearsal, Performance and Crew. (Arr.-Arr.-1) F, S.** May be repeated for a maximum of three semester hours credit. Actual participation in theatrical productions.
- 2001. (See Fine Arts 2001).**
- 2002. (See Fine Arts 2002).**
- 2003. (See Fine Arts 2003).**

- 2101, 2102. Theatre Practicum.** (Arr.-Arr.-1 each course) **2101-F; 2102-S.** Practical application of principles and techniques of technical production. These courses may be taken more than once, but only two semester hours of credit may be counted toward graduation. Prerequisite: Theatre Arts 1257.
- 2205. Principles of Stage Makeup.** (0-2-1) **S.** Fundamentals in design and use of theatrical makeup. Laboratory projects.
- 2240. Introduction to the Theatre.** (3-0-3) **F, S.** A general introduction to theatrical and dramatic art. Partially fulfills humanities requirement and fine arts requirement.
- 2244. Acting.** (3-3-3) **F.** A study of the methods of learning and teaching techniques for the actor.
- 2281. Summer Theatre.** (Arr.-Arr.-3 or 6 or 9) **Su.** This course is designed to give practical, comprehensive experience in theatre arts. Credit for six or nine semester hours may be earned in one summer. However, a maximum of nine semester hours total from Theatre Arts 2281 and/or 4810 may be counted toward a bachelor's degree.
- 2290 (2240H). Introduction to the Theatre for Honors Students.** (3-Arr.-3) A general introduction to theatrical and dramatic art. Partially fulfills humanities requirement and fulfills fine arts requirement for students other than Theatre Arts majors.
- 3001, 4001. 5 O'Clock Theatre.** (0-Arr.-1 for each course) **F, S.** A theatre arts major will direct a workshop production in his/her junior and senior year. 3001, Prerequisite: Theatre Arts 2240, 1257, and 3445, or permission of the instructor. 4001, Prerequisite: Theatre Arts 3001.
- 3333. Advanced Interpretation.** (3-0-3) **S.** Interpretation of literature in traditional and experimental styles. Introduction to the aesthetics of readers and chamber theatre. Prerequisite: Theatre Arts 1133 or permission of the instructor.
- 3344. Advanced Acting.** (3-3-3) **S-odd-numbered years.** The theory and concept of acting in various periods and styles. Prerequisite: Theatre Arts 2244 or permission of the instructor.
- 3357. Scene Design.** (3-3-3) **S.** Consideration of the design sequence from analysis of the script to the completion of production drawings; practical experience. Prerequisite: Theatre Arts 1257 or permission of the instructor.
- 3358. Design and History of Costume.** (3-3-3) **F.** History of costume from the early Egyptians to 1900. Costume design for theatrical production.
- 3360. Stage Lighting.** (3-3-3) **On demand.** Explores basic skills and techniques in lighting theatrical productions. Prerequisite: Theatre Arts 3357 or permission of the instructor.
- 3431. Children's Dramatics.** (3-0-3) **F, S.** Dramatics as educational devices for children. The advantages of dramatizing literature, history, and other subjects. Choice of plays is presented.
- 3445. Directing.** (3-3-3) **S.** The study and actual production of the play. Central emphasis is placed on directing.
- 3500. Independent Study.** (Arr.-Arr.-1 to 3) Problems in theatre arts in which the student works under the supervision of a staff member. Prerequisite: Permission of the instructor and of the department chairperson.
- 3751. Theatre History to 1650.** (3-0-3) **F.** The origin of theatre as a social force and an artistic form in the Classical Greek, Roman, Medieval, Elizabethan, and Neo-Classical French Periods. Partially fulfills humanities requirement and fine arts requirement.
- 3752. Theatre History, 1650 to the Present.** (3-0-3) **S.** The history of the theatre and its literature from the middle of the Seventeenth Century to present. Partially fulfills humanities requirement and fine arts requirement.

Courses Open To Juniors, Seniors, and Graduate Students

- 4810. Summer Theatre.** (Arr.-Arr.-3 or 6 or 9) **Su.** The course is designed to give practical, comprehensive experience in dramatic art. Credit for six or nine semester hours may be earned in one summer. However, a maximum of nine semester hours total from Theatre Arts 2281 and/or 4810 may be counted toward a bachelor's degree.
- 5990. Independent Study.** (3-6) Advanced study in a selected area of theatre arts, subject to approval of advisor. Prerequisites: Permission of the department chairperson and acceptance by instructor.

WOMEN'S STUDIES

Undergraduate Courses

(See the following for complete descriptions)

- English 3903. Women, Literature, and Language. (3-0-3)
- Health Education 3560. New Dimensions in Women's Health Care. (3-0-3)
- History 3903. Women and Feminism in the United States. (3-0-3)
- Home Economics 2831. Women in Contemporary Society. (3-0-3)
- Journalism 3903. Women and the Media. (3-0-3)
- Political Science 3903. Public Policy and the Sexes. (3-0-3)
- Sociology 3903. Sex Roles and Social Change. (3-0-3)
- Speech Communication 3903. Rhetoric of Women. (3-0-3)

ZOOLOGY

Goodrich, M., Chairperson, Alexander, Andrews, Baumgardner, Chapman, M., Docter, Durham, Fraembs, Funk, R., Hedges, F., Hunt, James, J., James, W., Kniskern, E. Kniskern, V., Krehbiel, E., Kruse, Landes, Martinez, Maya, Moll, Mounce, Nilsen, H., Ridgeway, B., Rogers, F., Whitley.

Undergraduate Courses

- 1010. General Zoology.** (2-4-4) A study of tissues, organs and organ-systems, followed by a survey of the animal kingdom. Prerequisite: Life Science 1000 or equivalent.
- 1090 (1010H). General Zoology for Honors Students.** (2-4-4) A study of tissues, organs, and organ-systems, followed by a survey of the animals. Designed for the Honors students. Prerequisite: Enrollment in the Honors Program and completion of Life Science 1000.
- 2000. Mammalian Anatomy.** (0-6-3) A comprehensive study of the gross anatomy of a mammal with anatomy of the human emphasized. Dissection, demonstration and discourse on representative forms including human cadaver. Prerequisite: Life Science 1000; Zoology 1010 highly recommended.
- 2100. Comparative Vertebrate Anatomy.** (2-4-4) **F, S.** A study of structures and their evolution in chordates. Laboratory work with a variety of forms. Prerequisite: Zoology 1010.
- 2150. Heredity, Evolution and Society.** (3-0-3) **S.** A study of hereditary and evolutionary principles and their application to contemporary social concerns. Emphasis is given to human genetics and evolution.
- 2999. Human Physiology.** (2-2-3) A study of the basic physiological activities in the organ-systems of man.
- 3100. Principles of Animal Physiology.** (3-3-4) **F, S.** A study of basic principles underlying the functions of protoplasm and organ-systems. Prerequisite: Nine semester hours of zoology. Chemistry requirement should be completed.
- 3300. Vertebrate Natural History.** (2-2-3) The natural history of vertebrates including distribution, reproduction, economic importance, evolution, and classification. Prerequisite: Zoology 1010.
- 3500 (2200). Embryology.** (2-4-4) **F, S.** Morphological and chemical changes of animal development from germ cell formation through early organogenesis. Laboratory studies primarily of the vertebrates, frog, chick and pig. Prerequisites: Zoology 1010 and one additional course in zoology; Zoology 2100 recommended.
- 3600. Parasitology.** (2-2-3) **F, S.** Means of identification, life histories, and methods of control of the more common animal parasites, including those of man. Prerequisites: Zoology 1010 and one other zoology course.
- 3700. Entomology.** (2-4-4) **Su, F.** The morphology, classification, ecology and economic importance of insects. Methods of collection and specimen preparation are included. Prerequisite: Zoology 1010.
- 3800. Introduction to Immunology.** (2-3-3) Basic principles and laboratory procedures for the study of immune responses. Prerequisites: Twelve semester hours of biological science and one year of college chemistry.

4400. **Independent Study.** (Arr.-Arr.-1 to 3) An outline of the proposed work must be approved by the department chairperson prior to registration. Prerequisites: Cumulative grade point average of 2.50 and permission of instructor and of the department chairperson. May be taken for a maximum of four semester hours.
4490. **Seminar in Zoology.** (0-2-1) F, S. A seminar in current zoological literature. Prerequisite: Nine semester hours of zoology. May be taken twice for credit.
4510. **Microtechnique.** (0-6-3) S. Methods and practice in the preparation of microscope slides of various tissues. A special project using tissues of the student's choice and a slide collection are required. Prerequisite: Sixteen semester hours of biological sciences.
4540. **Histology.** (1-4-3) The structure, functions, and development of tissues, primarily human. Laboratory study is combined with discussion of the cytological basis for understanding normal and abnormal structure in all vertebrates. Prerequisite: Zoology 2100 and 3500 recommended.

Courses Open To Juniors, Seniors, and Graduate Students

4750. **Cytology.** (1-4-3) F. A study of the structure and function of cells and their component organelles; cytochemical theory and techniques. Prerequisite: Zoology 4510 and 4540 recommended.
4755. **Organic Evolution.** (3-0-3) S. Fundamental principles of organic evolution stressing historical fact, evidences for and processes common to all biota. Prerequisite: Sixteen semester hours of biological science.
4764. **Invertebrate Field Studies.** (2-3-3) S-even-numbered years. Identification, relationships, life histories and adaptations of regional invertebrates not covered fully in other courses. Aquatic and soil forms emphasized. Prerequisite: Zoology 1010.
4769. **Fisheries Management.** (1-4-3) S-odd-numbered years. Fundamentals of anatomy, classification, life histories and conservation of fish. Field work and study of local fishes are stressed. Prerequisite: Zoology 3300.
4770. **Ichthyology.** (1-4-3) S-even-numbered years. Advanced study of the evolution, anatomy, taxonomy and distribution of the fishes of the world. Prerequisite: Sixteen semester hours of zoology, including Zoology 3300.
4772. **Herpetology.** (2-2-3) S. Phylogeny, adaptations, ecology, distribution and identification of amphibians and reptiles. Prerequisites: Zoology 2000 or 2100, 3300.
4774. **Ornithology.** (2-3-3) S. The identification, classification, distribution, and natural history of midwestern birds. Prerequisite: Zoology 3300.
4777. **Mammalogy.** (2-2-3) F. A study of mammals with emphasis on classification, distribution, natural history and ecology. Prerequisites: Zoology 2000 or 2100, 3300.
4800. **Terrestrial Ecology.** (2-3-3) S. Interrelationships among animal populations, biotic communities, and physical environments in terrestrial ecosystems. Prerequisites: Environmental Biology 2010 and eight semester hours of zoology.
4810. **Limnology.** (1-4-3) F, S. The physical environment and biological communities involved in fresh water ecosystems. Prerequisites: One year of chemistry; ten semester hours of zoology.
4840. **Advanced Genetics.** (3-0-3) F. Study of genetics on the molecular and biochemical levels, including structure, function, transmission, and regulation of the genetic material, in prokaryotes and eukaryotes. Prerequisites: Life Science 3200 and organic chemistry; biochemistry recommended.
4850. **Comparative Vertebrate Physiology.** (3-0-3) S. A comparison of physiological activities in fish, amphibians, reptiles, birds and mammals exhibited in their natural environment. Prerequisites: Zoology 3100; one course in organic chemistry and biochemistry recommended.
4900. **Cardiovascular Physiology.** (3-2-4) F. An in-depth study of the development, function and control mechanisms of the heart and circulatory system. Dysfunction and diseases are also examined and treatments are discussed. Prerequisite: Zoology 3100 or equivalent.

Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open to students who have been admitted to the Graduate School.)

5000. **Zoogeography.** (3) F. Analysis of the geographical distribution of recent animals. Prerequisite: Zoology 4800 or Botany 4811.
5100. **Introduction to Graduate Study and Research.** (2) Su, F. The principle of biological research, including review of literature, defining and organizing problems, and effective presentation of data. Required for all beginning graduate students in environmental biology or zoology, to be taken the first fall term of graduate study. Credit not granted for both Zoology 5100 and Environmental Biology 5100.
5150. **Seminar (1)** Enrollment required twice for all graduate students. A maximum of three semester hours credit may be applied to a graduate program.
5200. **History of Biology.** (2) S. The development of biology from pre-history to date; contributions by various civilizations; the growth of specific fields. Prerequisite: Sixteen semester hours of biological science.
5210. **Evolutionary Ecology.** (3) F. The study of natural selection and how it related to adaptive strategies of ecological phenomena in plant and animal populations and communities. Emphasis will be on theoretical aspects of current ecologic topics. Prerequisite: Zoology 4800 or Botany 4811; Zoology 4755 is recommended.
5225. **Systematics.** (3) S. A study of the methods and principles of animal taxonomy, including speciation. Prerequisite: Sixteen semester hours of biological science.
5255. **Protozoology.** (3) F. The morphology, physiology, ecology and life histories of free living and parasitic protozoa. Includes laboratory and field studies. Prerequisite: Eight semester hours of zoology.
5300. **Transmission Electron Microscopy.** (3) F. A study of methods of preparing biological materials for transmission electron microscopy, theory of electron optic systems, mode of operation of the transmission electron microscope, and associated photomicrographic techniques. Prerequisite: Permission of the instructor.
5370. **Aquatic Entomology.** (3) S-even-numbered years. An in-depth study of the biology and taxonomy of aquatic insects with emphasis on local forms. Prerequisite: Sixteen semester hours of zoology; Zoology 3700 recommended.
5375. **Wildlife Management.** (3) F. The principles of wildlife management with emphasis on terrestrial game animals; their ecology, life histories and conservation. Prerequisites: Eight semester hours of zoology including Zoology 3300; Zoology 4774 and 4800 recommended.
5380. **Animal Behavior.** (3) S. Theoretical and experimental studies of the principles of animal behavior. Prerequisite: Sixteen semester hours of zoology, or permission of the instructor.
5400. **Cell Physiology.** (4) F. A study of the fundamental physical and chemical processes which underlie cellular structure and function. Prerequisites: Zoology 3100 and one course in organic chemistry.
5410. **Developmental Zoology.** (4) S. A study of classical and recent contributions to the understanding of embryonic development. Prerequisites: Sixteen semester hours of biological sciences including Zoology 3500; biochemistry recommended.
5420. **Endocrinology.** (4) S. A study of the endocrine glands, the action of hormones, and the general features of the endocrine system. Prerequisites: Sixteen semester hours of zoology, and at least one course in organic chemistry.
5950. **Thesis.** (3 to 6) *Note:* A maximum of nine semester hours may be earned in a combination of 5950 and 5990.
5990. **Independent Study.** (1 to 6) *Note:* A maximum of nine semester hours may be earned in a combination of 5990 and 5950.



XI.

STATISTICS

SUMMARY OF ENROLLMENTS

Fall Semester, 1982, through Summer Term, 1984

UNIVERSITY

		Fall 1982	Spring 1983	Summer 1983	Fall 1983	Spring 1984	Summer 1984
Full Time, On Campus							
Seniors:	Men	797	902	376	843	975	233
	Women	1087	1083	455	1124	1137	305
	Total	1884	1985	831	1967	2112	538
Juniors:	Men	998	938	193	972	941	115
	Women	1152	1139	306	1113	1081	189
	Total	2150	2077	499	2085	2022	304
Sophomores:	Men	854	880	110	928	899	50
	Women	1095	1070	124	1079	1023	63
	Total	1949	1950	234	2007	1922	113
Freshmen:	Men	1220	967	73	1351	999	32
	Women	1483	1159	84	1449	1122	37
	Total	2703	2126	157	2800	2121	69
Graduates:							
Fifth Year:	Men	137	142	173	133	137	94
	Women	119	127	221	132	134	134
	Total	256	269	394	265	271	228
Sixth Year:	Men	10	11	36	10	12	10
	Women	6	8	26	8	6	13
	Total	16	19	62	18	18	23
Total:	Men	4016	3840	961	4237	3963	534
	Women	4942	4586	1216	4905	4503	741
	Total	8958	8426	2177	9142	8466	1275
Part-Time, On Campus							
Seniors:	Men	87	116	161	86	106	272
	Women	98	111	250	90	101	357
	Total	185	227	411	176	207	629
Juniors:	Men	40	44	88	33	40	141
	Women	55	53	111	48	53	207
	Total	95	97	199	81	93	348
Sophomores:	Men	21	11	61	13	22	76
	Women	33	38	64	27	30	106
	Total	54	49	125	40	52	182
Freshmen:	Men	27	21	34	18	18	69
	Women	37	34	71	40	44	94
	Total	64	55	105	58	62	163

		Fall	Spring	Summer	Fall	Spring	Summer
		1982	1983	1983	1983	1984	1984
Graduates:							
Fifth Year:	Men	183	188	109	165	160	181
	Women	234	201	245	231	218	333
	Total	417	389	354	396	378	514
Sixth Year:	Men	63	80	44	67	71	67
	Women	90	81	95	68	66	123
	Total	153	161	139	135	137	190
Total	Men	421	460	497	382	417	806
	Women	547	518	836	504	512	1220
	Total	968	978	1333	886	929	2026
Total On Campus							
	Men	4437	4300	1458	4619	4380	1340
	Women	5489	5104	2052	5409	5015	1961
	Total	9926	9404	3510	10028	9395	3301
Full-Time Equivalent (Resident)		9585	9088	1592	9716	9091	1518
Extension	Men	232	230	150	219	248	158
	Women	196	187	126	234	208	145
	Total	428	417	276	453	456	303
Total University	Men	4669	4530	1608	4838	4628	1498
	Women	5685	5291	2178	5643	5223	2106
	Total	10354	9821	3786	10481	9851	3604
Full-Time Equivalent		9736	9232	1696	9880	9243	1624

SUMMARY OF DEGREES AWARDED

September 1, 1982, through August 31, 1984

Degree	Dec. 1982	May 1983	Aug. 1983	Dec. 1983	May 1984	Aug. 1984
Specialist in Education	6	8	4	3	5	9
Master of Arts	26	34	30	21	28	30
Master of Business Administration	10	17	16	12	16	11
Master of Science	17	30	34	23	31	36
Master of Science in Education	33	49	81	25	34	89
Bachelor of Arts	75	261	80	105	305	95
Bachelor of Arts, Board of Governors Degree	16	24	28	22	27	21
Bachelor of Music	6	12	1	7	17	2
Bachelor of Science	140	284	103	141	288	125
Bachelor of Science, Career Occupations	12	21	14	16	15	13
Bachelor of Science in Business	127	395	149	129	439	123
Bachelor of Science in Education	103	168	42	87	152	34
TOTAL	571	1303	582	591	1357	588



XII. FACULTY, 1984-1985

(Date of joining staff in parentheses)

ADMINISTRATIVE STAFF OFFICE OF THE PRESIDENT

President

Stanley G. Rives, Ph.D., Northwestern University. (1981)
Norma Winkleblack, B.A., Administrative Assistant to the President (1980)

ACADEMIC AFFAIRS

Provost and Vice President for Academic Affairs

Edgar B. Schick, Ph.D., Rutgers University. (1984)
Margaret A. Soderberg, Ph.D., Washington University, Associate Vice President for Academic Affairs. (1962)
Charles Switzer, Ph.D., Michigan State University, Assistant Vice President and Director, Summer School. (1966)
Elizabeth Schaeffer, B.A., University of Illinois, Planning Coordinator. (1981)

College of Applied Sciences

Barbara L. Owens, Ph.D., Southern Illinois University, Dean. (1969)
Joyce S. Crouse, Ph.D., Southern Illinois University, Assistant Dean, and Chair, School of Home Economics. (1968)
Larry D. Helsel, Ed.D., Pennsylvania State University, Assistant Dean, and Chair, School of Technology. (1980)

Career Occupations Program

Joyce Felstehausen, Ed.D., University of Illinois, Director. (1977)

College of Arts and Sciences

Jon M. Laible, Ph.D., University of Illinois, Dean. (1964)
Leonard Durham, Ph.D., University of Illinois, Assistant Dean. (1955)
Paul F. Kirby, Ph.D., University of Pittsburgh, Assistant Dean. (1964)

Johnetta Jones, M.A., Southern Illinois University, Chairperson, Afro-American Studies. (1977)
William M. Cloud, Ph.D., University of Wisconsin, Chairperson, Pre-Engineering Studies. (1962)
²**Eugene B. Krehbiel**, Ph.D., Kansas State University, Chairperson, Health Professions Studies. (1963)
Peter R. Leigh, Ph.D., University of Southern California, Pre-Legal Advisor. (1969)

College of Business

Theodore W. Ivarie, Ed. D., Arizona State University, Dean (1979)
Terry L. Maris, Ph.D., University of Nebraska, Assistant Dean (1983)
Kathleen Anne Bennett, B.S. Ed., Eastern Illinois University, Assistant to Dean (1974)
Foster C. Rinefort, Ph.D., Texas A & M, Coordinator, MBA Program (1981)
Doreen Nelms, M.S., Eastern Illinois University, Academic Advisor, (1981)

College of Education

Charles Joley, Ed.D., University of Illinois, Dean (1970)
George W. Schlinsog, D.Ed., University of Oregon, Associate Dean (1967)
Ronald M. Leathers, M.S., Indiana State University, Assistant to Dean (1965)

College of Fine Arts

Vaughn Jaenike, Ed.D., University of Nebraska, Dean (1974)
Phillip Settle, M.F.A., University of Illinois, Assistant to Dean (1957) (Administrative Educational Leave Spring 1985)
Janet M. Messenger, M.A., Washington University, Curator of Education and Exhibits, Tarble Art Center (1984)
¹**Donald R. Carmichael**, M.F.A., University of Tennessee, Director of Tarble Art Center (1978)

¹Resigned December 31, 1984.

²Died April 18, 1985.

College of Health, Physical Education and Recreation

Walter S. Lowell, Ed.D., Michigan State University, Dean (1961)

Dorothy M. Hart, Ph.D., The University of Iowa, Assistant to Dean (1947)

William F. Buckellew, Ed.D., University of Arkansas, Coordinator of Graduate Studies (1962)

David C. Dutler, Ph.D., Southern Illinois University, Director of Intramurals (1976)

Graduate School and Continuing Education

Larry J. Williams, Ph.D., University of Illinois, Dean (1964)

Board of Governors Degree Program

Shirley W. Neal, Ph.D., University of Illinois, Coordinator (1968)

Continuing Education

Carol D. Holden, Ph.D., University of Illinois, Director (1983)

Donald McKee, M.A.T., University of Illinois, Assistant (1961)

Academic Development

Shirley B. Moore, Ed.D., University of Northern Colorado, Dean (1970)

Faculty Development

David Maurer, Ph.D., The Ohio State University, Coordinator (1962) (Sabbatical Leave — Spring 1985)

Academic Assistance Center

Calvin B. Campbell, Adv. C., University of Illinois, Director (1966)

Josephine C. Barger, M.A., Notre Dame University, Advisor (1977)

Kathy Davies, M.S., Eastern Illinois University, Advisor (1982)

L. Fraun Lewis, M.S.Ed., Eastern Illinois University, Advisor (1982)

Thomas E. McDevitt, M.A., Southern Illinois University, Advisor (1966)

Arthur L. Snider, M.S., Ball State University, Advisor (1970)

Julie Sterling, M.S.Ed., Eastern Illinois University, Advisor (1981) (Part-time)

Vanlou Trank, M.S., Indiana University, Advisor (1970)

Robert G. Winkleblack, M.S.Ed., Eastern Illinois University, Advisor (1966)

James F. Giffin, Ph.D., Northwestern University, Advisor (1947) (Part-time)

Counseling Services

Claud D. Sanders, Ed.D., University of Illinois, Director (1966)

David T. Baird, M.S.Ed., Indiana University, Counselor (1959)

Genie Lenihan, Ph.D., University of Illinois, Counselor (1981)

David L. Weir, M.Ed., University of Pittsburgh, Counselor (1979)

Testing Services

Herbert C. Bartling, Ph.D., University of Iowa, Director (1983)

Library Services

Wilson Luquire, Ph.D., Indiana University, Dean (1980)

Frances Pollard, Ph.D., Case Western Reserve University, Assistant (1963)

Audio-Visual Center

Gene Scholes, Ph.D., Southern Illinois University, Director (1966)

Willis Waltman, Ed.S., Eastern Illinois University, Assistant Director (1969)

Research and Grants

Edwin L. May, M.A., Adams State College, Director (1978)

Summer School

Charles Switzer, Ph.D., Michigan State University, Director (1966)

Occupational Education

Richard K. Hofstrand, Ph.D., University of Illinois, Director (1983)

STUDENT AFFAIRS

Vice President for Student Affairs

Glenn D. Williams, Ph.D., The Ohio State University (1960)

Student Academic Services

Samuel J. Taber, Ph.D., Southern Illinois University, Dean (1960)

Admissions and High School Relations

¹ John E. Beacon, M.S., Indiana State University, Director of Admissions (1979)

Murray R. Choate, M.S.Ed., Southern Illinois University, Associate Director (1962)

Alan Christensen, B.A., Iowa Wesleyan College, Admissions Counselor (1981)

Pamela Hadwiger, M.S.Ed., Eastern Illinois University, Admissions Counselor (1974)

James W. Lyles, B.A., Eastern Illinois University, Admissions Counselor (1984)

Community College Relations

Samuel J. Taber, Ph.D., Southern Illinois University, Director (1960)

Janet F. Holley, Ed.S., Eastern Illinois University, Transfer coordinator (1968)

Records

James E. Martin, M.A., University of Illinois, Registrar (1968)

John H. Conley, M.S.Ed., Eastern Illinois University, Assistant Registrar (1972)

Registration

Michael Taylor, B.A., Eastern Illinois University, Director (1974)

David Sardella, M.S., Mankato State College, Assistant Director (1972)

Textbook Rental Service

Richard Sandefer, B.S., Eastern Illinois University, Director (1980)

Student Personnel Services

James E. Johnson, M.A., New York University, Assistant Dean (1970)

¹Resigned February 5, 1985.

International Students

Brigitte A. Chen, M.A., University of Illinois, Advisor
(Part-time) (1978)

Career Planning and Placement

James F. Knott, Ed.D., Northern Illinois University, Director
(1957)

Donald L. Schaefer, M.S.Ed., University of Illinois,
Assistant Director (1981)

Financial Aids

John T. Flynn, M.S.Ed., Eastern Illinois University,
Director (1976)

Jone Polich, M.S.Ed., Eastern Illinois University,
Associate Director (1984)

Elmer Pullen, M.S., Eastern Illinois University, Counselor
(1970)

Sue C. McKenna, M.S.Ed., Eastern Illinois University,
Executive Assistant (1966) (Part-time)

Veterans Services

Herbert L. Brooks, B.S.Ed., Eastern Illinois University,
Director (1966)

Health Services

Jerry D. Heath, M.D., University of Illinois, Director (1956)
(Part-time)

Lee A. Steward, M.D., University of Illinois, Health
Service Physician (1975)

Judson Phillips, M.D., University of Illinois, Health
Service Physician (1981)

Clark W. Green, M.D., University of Illinois, Health
Service Physician (1984)

Student Activities and University Union

William L. Clark, Ed.S., Eastern Illinois University, Area
Head (1968)

Martha Joan Gossett, A.A., Danville Junior College,
Director, Union Business Operations (1982)

Mark L. Haines, B.A., Eastern Illinois University,
Director of Arrangements (1983)

Anita Craig, M.A., Eastern Illinois University, Director
of Student Activities (1983)

William S. Davis, J.D., University of Illinois, Coordinator,
Student Legal Services (1980)

Diann Ridgeway, M.A., Eastern Illinois University,
Crafts Center Manager (1982)

Student Housing

Louis V. Hencken, M.S.Ed., Eastern Illinois University,
Director (1967)

Randall L. Johnson, M.S.Ed., Eastern Illinois University,
Associate Director (1975)

Mark I. Shaklee, M.Ed., University of Missouri, Assistant
Director (1978)

Mary M. Smith, Ed.S., Eastern Illinois University,
Assistant Director (1970)

Patrick J. Bradley, M.S., Wayne State College,
Area Coordinator (1982)

Keith Kohanzo, M.S.Ed., Eastern Illinois University,
Assistant and Student Judicial Hearing Officer (1971)

Residence Hall Food Service

Beverly Sterling, M.S.Ed., Eastern Illinois University,
Director (1972)

Residence Hall Counselors

Barbara A. Busch, Adv.C., University of Illinois (1964)

Kevin P. Cannon, M.S.Ed., Eastern Illinois University (1984)

Carolyn Condit, M.S.Ed., Eastern Illinois University (1982)

Tom Condit, M.A., Western Kentucky University (1981)

Susan K. Herr, M.A., Bowling Green State University (1983)

Margaret J. Reed, Adv.C., University of Illinois (1967)

Karen A. Sepich, M.S., Western Illinois University (1982)

ADMINISTRATION AND FINANCE**Vice President for Administration and Finance**

Marion L. Zane, M.S.Ed., Eastern Illinois University,
Acting Vice President (1965)

Verna L. Armstrong, Ph.D., University of Cincinnati,
Vice President (March 1, 1985)

Administrative Services

James D. Dean, M.B.A., Eastern Illinois University,
Director (1979)

Computer Services

David E. Henard, M.S.I.E., University of Illinois, Director
(1980)

Personnel and Employee Relations

Edward S. Sawtelle, B.A., Gannon University, Director
(1982)

Physical Plant

Everett R. Alms, Director (1965)

Planning and Budget Analysis

Chain K. Liu, Ph.D., Southern Illinois University, Director
(1980)

Barbara Platt, B.A., Purdue University, Assistant Director
for Planning (1976)

John Morrissey, M.S.Ed., Eastern Illinois University,
Director of Budget (1968)

Treasurer

Marion L. Zane, M.S.Ed., Eastern Illinois University,
Treasurer (1965)

Robert H. Weidhuner, B.A., Southern Illinois University,
Manager, Administrative Studies (1966)

AFFIRMATIVE ACTION

Judith A. Anderson, Ph.D., Indiana State University,
Director (1982) (Part-time)

ATHLETICS

R.C. Johnson, M.A., University of Northern Iowa, Director
(1980)

Joan K. Schmidt, M.S., Northern Illinois University,
Associate Director (1970)

Ronald Paap, A.M., University of Northern Colorado,
Associate Director (1963)

INTERNAL AUDITOR

Jeffrey L. Cooley, CPA, B.S. in Bus., Eastern Illinois
University (1983)

UNIVERSITY RELATIONS AND DEVELOPMENT

- ¹ Kenneth E. Hesler, M.Ed., University of Illinois, Director (1951) (Leave — Fall, 1984)
Daniel E. Thornburgh, Ed.D., Indiana University, Director (1959)
Charles Titus, M.A., Eastern Illinois University, Assistant (1972)

Alumni Service

- Charles Titus, M.A., Eastern Illinois University, Director (1972)

Development

- Charles F. Ross, B.S., Pennsylvania State University, Director (1984)

Information and Publications

- Harrison Read, B.S.Ed., Eastern Illinois University, Director (1964)
David Kidwell, B.S., Eastern Illinois University, Assistant, and Director, Sports Information (1972)
Waldo Grigoroff, M.S.Ed., University of Illinois, Assistant (Part-time) (1961)
Donald Kojich, B.A., Purdue University, Assistant, Sports Information (1984)

Radio-TV Center

- John L. Beabout, M.A., Ohio University, Director (1981)

INSTRUCTIONAL STAFF

*Denotes department chairperson

**Denotes acting department chairperson

A

- Dewey F. Abell, M.L.S., University of California, Associate Professor, Library (1969)
Thomas Akers, M.A., Eastern Illinois University, Lecturer, Intercollegiate Athletics (1982)
Randolph R. Aldinger, Ph.D., University of Texas, Associate Professor, Physics (1984)
Herbert Alexander, M.S., Wichita State University, Instructor, Zoology (1977) (Part-time)
Dewey H. Amos, Ph.D., University of Illinois, Professor, Geography and Geology (1965)
Haldon Anderson, Ph.D., Florida State University, Associate Professor, Mathematics (1980)
Richard D. Andrews, Ph.D., University of Illinois, Professor, Zoology (1966)
O. Martin Angell, M.B.A., Central Missouri State University, Instructor, Accountancy, Data Processing and Finance (1984)
Kevin Anglin, M.S., Eastern Illinois University, Faculty Assistant, Intercollegiate Athletics (1981)
Larry J. Ankenbrand, Ed.D., University of Missouri, Professor, Physical Education (1977)*
David P. Appleby, Ph.D., Indiana University, Professor, Music (1971)
Carol J. Armstrong, M.S. in Ed., Eastern Illinois University, Assistant Professor, Home Economics (1972)
David P. Arseneau, M.B.A., Northern Illinois University, Instructor, Management/Marketing (1983)
Ali Arshad, Ph.D., University of Connecticut, Assistant Professor, Economics (1984)

¹Retired, December 31, 1984.

- Charles B. Arzeni, Ph.D., University of Michigan, Professor, Botany (1965)
Dennis W. Aten, M.S.Ed., Eastern Illinois University, Associate Professor, Physical Education (1968)
D. Ferrel Atkins, Ph.D., University of Kentucky, Professor Mathematics (1958)
Virginia Atkins, M.A., Eastern Illinois University, Instructor, Accountancy, Data Processing and Finance (1983) (Part-time)
Robert M. Augustine, M.S., Illinois State University, Assistant Professor, Speech Pathology and Audiology (1978)
Alan R. Aulabaugh, Ph.D., The University of Iowa, Professor, Music (1957)
Michael L. Aurbach, M.F.A., Southern Methodist University, Assistant Professor, Art (1984)

B

- Alan Baharlou, Ph.D., University of Tulsa, Professor, Geography-Geology (1980)
Jumuna Bai, Ph.D., Wayne State University, Associate Professor, Sociology-Anthropology (1967)
Zeno E. Bailey, Ph.D., The Ohio State University, Professor, Botany (1969)
Sydney L. Balbes, M.A., California State University, Assistant Professor, Art (1982)
Wesley E. Ballsrud, M.A., The University of Iowa, Associate Professor, Accountancy, Data Processing and Finance** (1964)
Robert Barford, Ph.D., Indiana University, Professor, Philosophy (1968)
Robert N. Barger, Ph.D., University of Illinois, Professor, Secondary Education and Foundations (1977)
Patricia R. Barnhart, Ph.D., University of Illinois, Assistant Professor, Educational Psychology and Guidance (1981)
Richard J. Barta, Ed.S., University of Kansas, Associate Professor, Music (1978)
Sharon Bartling, Ph.D., University of Illinois, Professor English (1972)
David E. Bartz, Ed.D., Western Michigan University, Associate Professor, School Service Personnel (1978)
Lawrence W. Bates, Ph.D., University of Texas, Associate Professor, Economics (1970)
Kandy Bumgardner, Ph.D., Utah State University, Professor, Zoology (1973)
Ann Beabout, M.A., Eastern Illinois University, Instructor, Speech-Communication (1984)
Steven Becker, Ph.D., The University of Iowa, Professor, Botany (1968)
Kent D. Beeler, Ed.D., Indiana University, Assistant Professor, Educational Psychology and Guidance (1983)
John K. Bennett, M.S., Eastern Illinois University, Instructor, Mathematics and Lecturer, Athletics (1982)
Sheryl Benson, Ph.D., University of Illinois, Associate Professor, Elementary and Junior High School Education (1982)
John Best, Ph.D., University of Cincinnati, Associate Professor, Psychology (1979)
Randall H. Best, Ph.D., Southern Illinois University, Associate Professor, Psychology (1968)
Mary A. Bialek, M.Ed., Pennsylvania State University, Associate Professor, Music (1969)
Barbara A. Bieler, Ph.D., Pennsylvania State University, Assistant Professor, Home Economics (1982)
Cheryl Birkhead, M.S., Illinois State University, Faculty Assistant, Athletics (1978)
Arnold E. Blair, B.S., Milikin University, Faculty Assistant, Accountancy, Data Processing and Finance (1984) (Part-time)

- Pamela S. Blair, M.S., Eastern Illinois University, Instructor, Speech Pathology and Audiology (1984)
- Clarence Blanchette, M.A., The University of Iowa, Associate Professor, Theatre Arts (1973)
- Earl V. Bobb, Ph.D., University of Oregon, Associate Professor, English (1977)
- Douglas G. Bock, Ph.D., Southern Illinois University, Professor, Speech-Communication* (1982)
- Paul G. Bodine, M.A., Washington University, Associate Professor, Art (1966)
- Daniel J. Bolin, M.S.Ed., University of Illinois, Associate Professor, Health Education (1970)
- Mark R. Bomball, Ph.D., University of Mississippi, Associate Professor, Accountancy, Data Processing and Finance (1969)
- Andrea Bonnicksen, Ph.D., Washington State University, Associate Professor, Political Science (1979)
- Lowell D. Bourne, Ph.D., Washington University, Associate Professor, Accountancy, Data Processing and Finance* (1985 — Spring)
- Jerry L. Boyd, Ph.D., University of Illinois, Associate Professor, Psychology (1984) (Part-time)
- Stanley C. Braden, M.A., Eastern Illinois University, Instructor, Sociology-Anthropology (1984)
- Edward Brankey, J.D., Southern Illinois University, Associate Professor, Management-Marketing (1980)
- Suzan G. Braun, M.F.A., Southern Illinois University, Professor, Art (1970)
- Peggy L. Brayfield, Ph.D., Southern Illinois University, Professor, English (1970)
- Hugh E. Brazil, Ph.D., University of Georgia, Assistant Professor, Political Science (1982)
- Marvin L. Breig, Ph.D., University of Oklahoma, Professor, Physics (1963)
- James M. Brinkman, Ed.D., University of Illinois, Professor, Music (1970)
- Edward A. Brown, M.A., University of California at Los Angeles, Instructor, Political Science (1984) (Part-time)
- Martha Brown, Ph.D., Florida State University, Associate Professor, Home Economics (1979)
- Andrew R. Brulle, Ed.D., Northern Illinois University, Associate Professor, Special Education (1981)
- Michael W. Bryant, M.A., Morehead State University, Instructor, Speech-Communication (1983)
- Ewen L. Bryden, Ph.D., The Ohio State University, Professor, Recreation and Leisure Studies* (1969)
- David H. Buchanan, Ph.D., University of Wisconsin, Professor, Chemistry (1971)
- William F. Buckellew, Ed.D., University of Arkansas, Professor, Physical Education (1962) (Sabbatical Leave — Fall, 1984)
- Louis C. Butler, M.S., Eastern Illinois University, Instructor, Technology (1984)
- William A. Butler, Ph.D., University of Illinois, Professor, Physics* (1970)
- Robert Y. Butts, M.S., Virginia Polytechnic Institute and State University, Assistant Professor, Home Economics (1971)
- William S. Bye, M.S., St. Cloud State University, Lecturer, Intercollegiate Athletics (1983)
- Russell Carlson, Ph.D., University of Colorado, Associate Professor, Chemistry (1979)
- Gerald F. Carr, Ph.D., University of Wisconsin, Professor, Foreign Languages (1968) (Sabbatical Leave — 1984-1985)
- Richard E. Cavanaugh, B.S.Ed., Eastern Illinois University, Instructor, Health Education (1982)
- Dana B. Chambers, B.S., Central Missouri State University, Lecturer, Intercollegiate Athletics (1984)
- E. Wayne Chandler, D.B.A., Arizona State University, Associate Professor, Management/Marketing (1983)
- Judith K. Chapman, M.S., University of Illinois, Instructor, Home Economics (1973)
- Max K. Chapman, Ph.D., Kent State University, Assistant Professor, Zoology (1972)
- Dayton K. Chase, D.Ed., University of North Dakota, Professor, Business Education and Administrative Office Management (1968)
- Carrie C. Chen, Ed.S., Eastern Illinois University, Associate Professor, Library (1968)
- Robert P. Chen, Ph.D., Indiana University, Professor, Library (1968)
- Yung Ping Chen, Ph.D., University of Maryland, Professor, Political Science (1966)
- Mark Christliff, Ph.D., University of Maryland, Assistant Professor, English (1981)
- Michael E. Church, M.A., Northeast Missouri State University, Instructor, Physical Education (1984)
- Phoebe Church, M.S., Eastern Illinois University, Instructor, Physical Education (1979)
- Denise C. Clark, M.A., Eastern Illinois University, Instructor, English (1983)
- Deborah Clarke, Ph.D., Yale University, Assistant Professor, English (1984)
- Luis Clay-Mendez, Ph.D., Washington University, Professor, Foreign Languages (1980)
- Gregory G. Clemons, M.A., California State University, Instructor, Music (1983)
- Dennis Cler, M.A., Eastern Illinois University, Instructor, Mathematics (1984)
- William M. Cloud, Ph.D., University of Wisconsin, Professor, Physics (1962)
- Jay W. Coakley, M.B.A., Indiana State University, Instructor, Accountancy, Data Processing and Finance (1984)
- Harold G. Coe, Ph.D., Purdue University, Professor, Psychology (1965)
- Edward P. Colbert, Ph.D., Catholic University of America, Associate Professor, History (1968)
- George M. Colby, M.A., University of Chicago, Assistant Professor, English (1962) (Part-time)
- Wayne D. Coleman, D.Ed., University of Northern Colorado, Professor, Technology (1957)
- Joseph T. Connelly, Ed.D., University of Illinois, Professor, Political Science (1958)
- Lewis H. Coon, Ed.D., Oklahoma State University, Professor, Mathematics (1965)
- Michael L. Cordts, M.A., Southern Illinois University, Instructor, Journalism (1984)
- Edward M. Corley, Ph.D., Oklahoma State University, Professor, Economics (1967)
- Patrick R. Coulton, Ph.D., University of Notre Dame, Assistant Professor, Mathematics (1983)
- Jesse W. Cox, Jr., B.S., Middle Tennessee State University, Assistant Professor, ROTC (1982)
- Jean M. Coyle, Ph.D., Texas Woman's University, Associate Professor, Home Economics (1980) (Leave — 1984-1985)
- Delmar Crabill, Ph.D., University of Illinois, Professor, Mathematics (1963)

C

- Betty J. Campbell, Adv.C., University of Illinois, Assistant Professor, Business Education and Administrative Office Management (1969)
- Joseph E. Carey, Ed.D., Indiana University, Professor, Elementary and Junior High School Education (1958)
- K. Janelle Carey, M.S., Eastern Illinois University, Instructor, English (1981)

- John M. Craft, M.S., Eastern Illinois University, Assistant Professor, Physical Education (1970) (Sabbatical Leave — 1984-1985)
- Laurence E. Crofutt, A.M., Indiana University, Assistant Professor, Botany (1967)
- Phyllis T. Croisant, Ph.D., University of Illinois, Assistant Professor, Physical Education (1984)
- Joyce S. Crouse, Ph.D., Southern Illinois University, Professor, Home Economics* (1968)
- Richard L. Crouse, M.A., University of Wisconsin, Assistant Professor, Foreign Languages (1966)
- Linabella Cruz, M.B.A., Eastern Illinois University, Instructor, Management/Marketing (1984)
- George L. Cunningham, Ph.D., University of California, Berkeley, Professor, Chemistry (1961)
- Carleton E. Curran, Ph.D., University of Wisconsin, Associate Professor, History (1966)

D

- Deanna P. D'Abbraccio, M.S., Eastern Illinois University, Lecturer, Athletics (1980)
- Jerry L. Daniels, M.M., Drake University, Associate Professor, Music (1982)
- Roger L. Darding, Ph.D., University of Illinois, Assistant Professor, Botany (1970)
- Janina K. Darling, Ph.D., University of Illinois, Assistant Professor, Art (1976)
- Joyce E. David, Adv. C., University of Illinois, Associate Professor, Physical Education (1968)
- A. Douglas Davis, Ph.D., University of California, Los Angeles, Professor, Physics (1970)
- James Davito, M.A., Eastern Illinois University, Instructor, Mathematics (1982) (Part-time)
- Michelle Moore Dawson, M.S.Ed., Southwest Missouri State University, Assistant Professor, Special Education (1984)
- Garret W. DeRuiter, M.F.A., Southern Illinois University, Professor, Art (1965)
- Suhrit K. Dey, Ph.D., Mississippi State University, Professor, Mathematics (1970)
- Douglas DiBianco, Ph.D., University of Illinois, Associate Professor, Music (1977)
- Thomas S. Dickinson, Ed.D., University of Virginia, Assistant Professor, Elementary and Junior High School Education (1984)
- Alphonso J. DiPietro, Ph.D., George Peabody College for Teachers, Professors, Mathematics* (1959)
- Patrick J. Docter, Ph.D., Purdue University, Associate Professor, Zoology (1969)
- David K. Dodd, Ph.D., University of Utah, Assistant Professor, Psychology (1984)
- Betty Dodson, M.A., St. Louis University, Assistant Professor, Speech Pathology and Audiology (1974)
- Ernest E. Dolson, Ph.D., University of Illinois, Professor, Mathematics (1968)
- Donald Dolton, M.A., Oklahoma State University, Assistant Professor, English (1966)
- Stanley Dolzycki, Ph.D., Marquette University, Assistant Professor, Mathematics (1966)
- Patricia Dougherty, M.A., Eastern Illinois University, Instructor, English (1979)
- Earl Doughty, Ph.D., Southern Illinois University, Professor, Elementary and Junior High Education (1963)
- Ruth L. Dow, Ph.D., University of Illinois, Associate Professor, Home Economics (1969)
- David Downing, Ph.D., State University of New York-Buffalo, Associate Professor, English (1979) (Leave — Fall, 1984)

- Dale D. Downs, Ed.D., Indiana University, Professor, Elementary and Junior High School Education (1963)
- Kathleen P. Doyle, Ph.D., Southern Illinois University, Assistant Professor, Health Education (1978)
- Robert Doyle, M.S., Indiana State University, Instructor, Physical Education (1979) (Leave — 1984-1985)
- Richard A. Dulka, M.A., St. Louis University, Associate Professor, Foreign Languages (1968)
- Leonard Durham, Ph.D., University of Illinois, Professor, Zoology (1955)
- David C. Dutler, Ph.D., Southern Illinois University, Associate Professor, Recreation and Leisure Studies (1976)

E

- Hannah N. Eads, Ed.D., University of Illinois, Associate Professor, Art (1961)
- David W. Ebdon, Ph.D., University of Maryland, Professor, Chemistry* (1968)
- John E. Ebinger, Ph.D., Yale University, Professor, Botany (1963)
- Connie Edlund, M.S., South Dakota State University, Instructor, Physical Education (1984)
- Larry L. Edlund, Ph.D., University of Utah, Lecturer, Intercollegiate Athletics (1983)
- Kathy Jo Edwards, M.A., Eastern Illinois University, Instructor, Psychology (1984)
- Jerry D. Eisenhour, Ph.D., University of Missouri, Assistant Professor, Theatre Arts (1984)
- Snowden L. Eisenhour, Ph.D., University of Illinois, Professor, Physics (1961)
- E. Duane Elbert, Ph.D., Indiana University, Professor, History (1966)
- Carol E. Elder, Ph.D., University of Pittsburgh, Professor, English (1966) (Part-time)
- Thomas L. Elliott, Ed.D., University of Northern Colorado, Professor, Business Education and Administrative Office Management (1969)
- Jerry W. Ellis, Ph.D., Oklahoma State University, Professor, Chemistry (1966)
- Linda B. Ellsworth, B.S., Eastern Illinois University, Lecturer, Intercollegiate Athletics (1984)
- Walter L. Elmore, M.A., University of Kentucky, Associate Professor, Physical Education (1948) (Part-time)
- Carl E. Emmerich, D.Ed., The Pennsylvania State University, Professor, Art (1962)
- JoJean Ewart, M.A., Purdue University, Instructor, Speech Communication (1983)

F

- Paul R. Fahy, Ph.D., University of Connecticut, Associate Professor, Economics (1976)
- Alan B. Falconer, M.B.A., Central Missouri State University, Assistant Professor, Accountancy, Data Processing and Finance (1984)
- Mona L. Falconer, M.B.A., Central Missouri State University, Instructor, Accountancy, Data Processing and Finance (1984)
- John R. Faust, Ph.D., University of North Carolina, Professor, Political Science (1966) (Sabbatical Leave — Fall, 1984)
- Joyce Felstenhausen, Ed.D., University of Illinois, Associate Professor, Technology (1977)
- Kevin R. Ferguson, M.B.A., Eastern Illinois University, Instructor, Accountancy, Data Processing and Finance (1984)
- Russell D. Fischer, Ed.D., North Texas State University, Associate Professor, Physical Education (1976)
- Patricia Flaughner, M.S., Southern Illinois University, Assistant Professor, Physical Education (1969)

- George Fleming, Ed.S., Eastern Illinois University, Instructor, Accountancy, Data Processing and Finance (1975) (Part-time)
- M. Lorraine Flower, Ph.D., University of Oregon, Professor, Physical Education (1965)
- C. Dan Foote, Ph.D., University of Illinois, Associate Professor, Chemistry, (1965)
- Gary S. Foster, Ph.D., Kansas State University, Assistant Professor, Sociology (1981)
- Delbert D. Foust, Adv. C., University of Illinois, Associate Professor, Elementary and Junior High School Education (1964)
- Frank A. Fraembs, M.S., University of Illinois, Assistant Professor, Zoology (1964)
- Jimmie L. Franklin, Ph.D., University of Oklahoma, Professor, History (1970)
- Paul W. Frazier, M.A., Northeast Missouri State University, Instructor, Accountancy, Data Processing and Finance (1984)
- Gerald G. Fuller, M.A., Eastern Illinois University, Instructor, Mathematics (1984)
- Richard C. Funk, Ph.D., University of Kansas, Professor, Zoology (1965) (Sabbatical Leave — Fall, 1984)

G

- E.G. Gabbard, Ph.D., The University of Iowa, Professor, Theatre Arts (1947) (Part-time)
- Lunica P. Gabbard, Ph.D., University of Illinois, Professor, English (1968) (Part-time)
- John W. Gardner, Ph.D., University of Illinois, Assistant Professor, Physics (1983)
- Donald P. Garner, Ph.D., Wayne State University, Professor, Speech-Communication (1963)
- Jerry L. Geisier, Ph.D., University of Missouri-Columbia, Associate Professor, Management-Marketing* (1980)
- Max O. Gerling, Ph.D., Florida State University, Associate Professor, Mathematics (1978)
- Ronald E. Gholson, Ph.D., Southern Illinois University, Professor, Secondary Education and Foundations (1976)
- Dennis C. Gilbert, M.P.H., Yale University, Instructor, Health Education (1984)
- Robert A. Glazier, B.S., Eureka College, Faculty Assistant Mathematics (1983)
- Michael A. Glynn, M.S., University of Wisconsin-LaCrosse, Assistant Professor, Psychology (1984)
- Michael A. Goodrich, Ph.D., Pennsylvania State University, Professor, Zoology* (1964)
- Evelyn T. Goodrick, M.A., Kent State University, Assistant Professor, Journalism (1976)
- Richard P. Goodrick, Ph.D., Southern Illinois University, Professor, Political Science. (1976)
- Laurent A. Gosselin, Ed.D., Temple University, Associate Professor, Home Economics (1981)
- Gerald L. Gossett, M.S., Indiana State University, Assistant Professor, Physical Education (1969)
- Timothy D. Gover, M.S., University of Illinois, Professor, Accountancy, Data Processing and Finance (1963)
- Louis M. Grado, Ph.D., The University of Iowa, Professor, Elementary and Junior High School Education* (1955)
- Walter J. Grady, B.S., University of Notre Dame, Faculty Assistant, Mathematics (1983) (Spring)
- Beverly L. Graham, M.A., Eastern Illinois University, Instructor, Student Teaching (1977) (Sabbatical Leave — 1984-1985)
- Chris J. Granias, M.M., Drake University and Northwestern University, Instructor, Music (1984)
- Grant G. Gray, Ph.D., North Dakota State University, Associate Professor, Botany (1966)
- Carl K. Green, Ed.D., University of Houston, Professor, Educational Psychology and Guidance (1958)
- Norma C. Green, Adv.C., University of Illinois, Associate Professor, Physical Education (1966)
- Raymond V. Griffin, Ed.D., University of Northern Colorado, Professor, Technology and Education (1958)
- Jerry Griffith, Ph.D., University of Illinois, Professor, Speech Pathology and Audiology (1984) (Part-time)
- Twila Griffith, Ph.D., University of Illinois, Assistant Professor, Special Education (1984) (Part-time)
- Waldo Grigoroff, M.S. in Ed., University of Illinois, Assistant Professor, Student Teaching (1961)
- Karl M. Grisso, Ph.D., University of Illinois, Associate Professor, Library (1969)
- Claudia Cole Gross, M.A.S., University of Illinois, Instructor, Accountancy, Data Processing and Finance (1983)
- John C. Guckert, Ph.D., The Ohio State University, Professor, Secondary Education and Foundations (1968)
- Gary L. Gueldner, M.S. Ed., Eastern Illinois University, Assistant Professor, Accountancy, Data Processing and Finance (1967)
- Bruce Guernsey, Ph.D., University of New Hampshire, Associate Professor, English (1978)
- Vincent P. Gutowski, M.A., California State University, Assistant Professor, Geography and Geology (1983)
- Donald W. Guy, B.A., Eastern Illinois University, Faculty Assistant, Psychology (1984)
- John Z. Guzowski, Ph.D., Purdue University, Associate Professor, English (1981)
- Deborah J. Gwisdalla, M.A., Northwestern University, Instructor, Theatre Arts (1982)

H

- Kenneth E. Hadwiger, Ph.D., University of Oklahoma, Professor, Speech Communication (1964)
- Lavern M. Hamand, Ph.D., University of Illinois, Professor, History (1957) (Part-time)
- Julian J. Hamerski, Ph.D., University of the Pacific, Associate Professor, Chemistry (1963)
- Robert R. Hancock, Ph.D., University of Illinois, Professor, Mathematics (1965)
- Mary Anne Hanner, M.S., Eastern Illinois University, Instructor, Speech Pathology and Audiology (1981)
- DuWayne H. Hansen, D.M.E., Indiana University, Professor, Music* (1981)
- Burton E. Hardin, D.M.Ed., University of Oklahoma, Professor, Music (1969)
- Henry D. Harris, M.S., Kansas State University, Lecturer, Athletics (1984)
- Stanley G. Harris, M.S. Ed., Eastern Illinois University, Associate Professor, Foreign Languages (1968)
- Charles R. Harrison, M.A., University of Oklahoma, Assistant Professor, Speech Communication (1969)
- Norma J. Harrison, M.H.E., University of Oklahoma, Assistant Professor, Home Economics (1969)
- Dorothy M. Hart, Ph.D., The University of Iowa, Professor, Physical Education (1947)
- Betty R. Hartbank, M.S.L.S., University of Illinois, Associate Professor, Library (1956)
- Evelyn H. Haught, Ph.D., University of Illinois, Professor, English (1970)
- Cheryl Hawker, M.A., University of Kansas, Instructor, Mathematics (1979) (Part-time)
- Edith M. Hedges, M.S., University of Wisconsin, Assistant Professor, Home Economics (1966)
- Frank H. Hedges, M.S., University of Illinois, Assistant Professor, Zoology (1965)
- Melinda Hegarty, M.A., University of Iowa, Assistant Professor, Art (1977)

Larry D. Helsel, Ed.D., Pennsylvania State University, Associate Professor, Technology* (1980)
 Carol M. Helwig, Ed.D., University of Illinois, Professor, Elementary and Junior High School Education (1969)
 Giles L. Henderson, Ph.D., Indiana University, Professor, Chemistry (1966)
 Robert E. Hennings, Ph.D., University of California, Berkeley, Professor, History* (1962)
 J. Sheldon Herd, B.S., Lincoln University-Missouri, Lecturer, Athletics (1983)
 Peter D. Hesterman, Ph.D., Eastman School of Music, Associate Professor, Music (1978)
 Joseph K. Heumann, M.A., University of Iowa, Associate Professor, Speech Communication (1976)
 Billy J. Heyduck, D.Ed., Pennsylvania State University, Professor, Art (1966)
 Glenn J. Hild, M.F.A., University of Nebraska, Assistant Professor, Art (1979)
 Barbara Hilke, M.S., University of Oregon, Lecturer, Athletics, (1979)
 Pamela Sue Hill, M.S.Ed., Southern Illinois University, Faculty Assistant, College of Business (1982)
 Harold L. Hillyer, M.M., University of Southern California, Assistant Professor, Music (1972)
 Ruth Hoberman, Ph.D., Columbia University, Assistant Professor, English (1984)
 Dan Hockman, Ph.D., University of Illinois, Professor, History (1965)
 Richard K. Hofstrand, Ph.D., University of Illinois, Associate Professor, Technology (1983)
 Bill Hollada, Ph.D., Southern Illinois University-Carbondale, Assistant Professor, Journalism. (1984) (Part-time)
 Bertrand P. Holley, M.A., Northwestern University, Associate Professor, Management-Marketing (1946)
 Gary L. Holt, Ph.D., West Virginia University, Professor, Psychology (1972)
 Richard L. Hooser, Ph.D., Southern Illinois University, Professor, Health Education (1965)
 Jon J. Hopkins, Ph.D., Pennsylvania State University, Professor, Speech Communication (1956) (Part-time)
 Stephan M. Horak, Ph.D., University of Erlangen, Professor, History, (1965) (Sabbatical Leave — Fall, 1984)
 Allan L. Horney, M.S., University of Illinois, Associate Professor, Music (1974)
 Nal-chao Hsu, Ph.D., Washington University, Professor, Mathematics (1966) (Sabbatical Leave — Fall, 1984)
 Mary Hubbard, Ph.D., Southern Illinois University, Associate Professor, Home Economics (1979)
 Richard L. Hummel, Ph.D., Indiana University, Associate Professor, Sociology-Anthropology (1969)
 Lawrence B. Hunt, Ph.D., University of Wisconsin, Professor, Zoology (1967)
 D. Michael Hurst, A.S., Lake Land College, Lecturer, Physical Education (1984) (Part-time)
 Robert W. Hussey, Ed.D., University of Northern Colorado, Professor, Physical Education (1958)
 Frank E. Hustmyer, Ph.D., University of Cincinnati, Professor, Psychology (1969)
 Victoria Hutchinson, M.A., University of Arizona, Instructor, Physical Education (1982)

I

Bill V. Isom, M.S.Ed., Southern Illinois University, Associate Professor, Library (1964)
 Judith Ivarie, Ph.D., Utah State University, Associate Professor, Special Education (1980)

Theodore W. Ivarie, D.Ed., Arizona State University, Professor, Business Education and Administrative Office Management (1979)
 Mahyar Izadi, M.S., Murray State University, Instructor, Technology (1984)

J

Ann E. Jackson, D.Ed., Arizona State University, Professor, Elementary and Junior High School Education (1958) (Part-time — Spring)
 Vaughn Jaenike, Ed.D., University of Nebraska, Professor, Music (1974) (Administrative Education Leave — Spring, 1985)
 Ameeta Jaiswal, Ph.D., Universite' de Rennes, France, Assistant Professor, Economics (1984)
 Judith James, M.A., University of North Carolina, Assistant Professor, Zoology (1973) (Leave — 1984-1985)
 William S. James, Ph.D., University of Tennessee, Associate Professor, Zoology (1970)
 Larry D. Janes, Ed.D., Illinois State University, Associate Professor, School Service Personnel. (1983)
¹ Carolyn G. Jarmon, Ph.D., Cornell University, Associate Professor, Home Economics (1977)
 Kathleen H. Jenkins, Specialist in Ed., Eastern Illinois University, Associate Professor, Library (1977)
 Samuel W. Jenkins, Ph.D., Louisiana State University, Associate Professor, Sociology-Anthropology (1975)
 Dorothe L. Johnson, Adv.C., University of Illinois, Associate Professor, Recreation and Leisure Studies (1968)
 James K. Johnson, M.F.A., University of Kansas, Professor, Art* (1978)
 June Johnson, D.M.A., University of Illinois, Professor, Music (1960) (Sabbatical Leave — Spring, 1985)
 Wanda L. Johnson, M.S., Arkansas State University, Faculty Assistant, College of Business (1979) (Part-time)
 Charles L. Joley, Ed.D., Professor, Occupational Education (1970)
 Annie Lee Jones, Ph.D., University of Michigan, Associate Professor, Recreation and Leisure Studies (1972)
 George H. Jones, D.Phil., Oxford University, Professor, History (1966)
 Johnetta Jones, M.A., Southern Illinois University, Assistant Professor, Sociology-Anthropology (1977)
 Ronald E. Jones, D.Ed., University of Massachusetts, Professor, Technology (1979)
 Robert W. Jordan, Ph.D., Washington University, Associate Professor, Chemistry (1966)
 Robert B. Jorstad, Ph.D., University of Idaho, Assistant Professor, Geography and Geology (1982)

K

Beth Kalikoff, Ph.D., Indiana University, Assistant Professor, English (1983)
 Fred Kaouk, M.A., University of Notre Dame, Assistant Professor, Economics (1980)
 Sylvia Y. Kaplan, M.A.L.S., Rosary College, Assistant Professor, Library (1970)
 Ebrahim Karbassioon, Ph.D., University of Nebraska-Lincoln, Associate Professor, Economics (1980)
 Robert H. Karraker, Ph.D., Iowa State University, Professor, Chemistry (1967)
 Ali E. Kashef, M.S., Central Missouri State University, Instructor, Technology (1984)
 Yunus Kathawala, Ph.D., University of Georgia, Associate Professor, Management-Marketing (1982)

¹Resigned January 6, 1985

- Tom Katsimpalis, Ed.D., University of Northern Colorado, Professor, Physical Education (1959) (Sabbatical Leave — Fall, 1984)
- Lynda L. Kayser, Ed.D., University of Maine, Assistant Professor, Educational Psychology and Guidance (1984)
- Ellen A. Keiter, M.S., University of Maryland, Assistant Professor, Chemistry (1977)
- Richard L. Keiter, Ph.D., University of Maryland, Professor, Chemistry (1969)
- John J. Kelleher, Ph.D., University of Pittsburgh, Professor, English (1964)
- Keryl L. Keller, M.A., Central Michigan University, Instructor, Health Education (1980) (Leave — 1984-1985)
- Leo L. Kelly, Ph.D., Purdue University, Professor, Foreign Languages* (1968)
- Karen J. Ketler, M.S., Indiana State University, Instructor, Accountancy, Data Processing and Finance (1980) (Part-time)
- Carol A. Kiefer, M.B.A., Cleveland State University, Instructor, Accountancy, Data Processing and Finance (1983)
- John Kilgore, Ph.D., University of California-Irvine, Associate Professor, English (1979) (Leave — Fall, 1984)
- Ha Poong Kim, Ph.D., Boston University, Professor, Philosophy (1967)
- Dona D. King, M.S., Eastern Illinois University, Instructor, Speech Pathology and Audiology (1984)
- Paul F. Kirby, Ph.D., University of Pittsburgh, Professor, Foreign Languages (1964)
- William G. Kirk, Ph.D., University of Kansas, Associate Professor, Psychology (1975)
- Edna Kniskern, M.S.Ed., Eastern Illinois University, Instructor, Zoology (1954)
- Verne B. Kniskern, Ph.D., University of Michigan, Professor, Zoology (1950) (Part-time)
- Cary I. Knoop, M.F.A., University of Illinois, Professor, Art (1953)
- B. Delores Knott, M.S., Eastern Illinois University, Instructor, Accountancy, Data Processing and Finance (1979)
- Raymond L. Koch, Ph.D., University of Minnesota, Associate Professor, History (1966)
- Karl-Ludwig Konrad, M.A., University of Washington, Associate Professor, Foreign Languages (1970)
- Lloyd L. Koontz, M.A., University of Arkansas, Associate Professor, Mathematics (1963)
- Eugene B. Krehbiel, Ph.D., Kansas State University, Professor, Zoology (1963)
- James W. Krehbiel, Ph.D., Indiana University, Professor, Music (1965)
- Claire E. Krukenberg, Ph.D., University of Illinois, Professor, Mathematics (1968)
- Kipp Kruse, Ph.D., University of Nebraska, Associate Professor, Zoology (1979)
- June M. Krutza, Ph.D., The Ohio State University, Professor, Art (1952) (Sabbatical Leave — Spring, 1985)
- Carol C. Ku, M.L.S., University of Pittsburgh, Associate Professor, Library (1967)
- Robert R. Kuhlman, M.S., Central Missouri State University, Lecturer, Intercollegiate Athletics (1983)
- L**
- Jon M. Liable, Ph.D., University of Illinois, Professor, Mathematics (1964)
- Bert A. Landes, M.A.T., Colorado State University, Assistant, Professor, Zoology (1967)
- Floyd A. Landsaw, Ed.D., Indiana University, Associate Professor, School Service Personnel (1965)
- Johnny L. Lane, M.M., Southern Illinois University, Associate Professor, Music (1974)
- M. Marjorie Lanman, M.S.Ed., University of Illinois, Assistant Professor, Student Teaching (1961)
- Harry R. Larson, Ed.D., University of Northern Colorado, Professor, Secondary Education and Foundations* (1960)
- Herbert Lasky, Ph.D., New York University, Professor, History (1966)
- Lynnette J. Lasky, M.S.L.S., Eastern Illinois University, Associate Professor, Library (1973)
- Abdul Lateef, Ph.D., Southern Illinois University, Professor, Political Science (1968)
- Richard W. Lawson, Ph.D., Indiana University, Assistant Professor, School Service Personnel (1964)
- Walter S. Lazenby, Jr., Ph.D., Indiana University, Professor, English (1969)
- Ronald M. Leathers, M.S., Indiana State University, Assistant Professor, English (1965)
- John W. LeDuc, Ph.D., University of Illinois, Professor, Mathematics (1965)
- Peter R. Leigh, Ph.D., University of Southern California, Professor, Political Science (1969)
- Nancy Leisa, M.P.H., University of Oklahoma, Instructor, Health Education (1982)
- Patrick M. Lenihan, Ph.D., University of Wisconsin, Professor, Economics (1967)
- Scott R. Lensink, M.B.A., Eastern Illinois University, Instructor, Management-Marketing (1984)
- Sarita J. Levin, M.S., Illinois Institute of Technology, Institute of Design, Instructor, Art (1984)
- Michael B. Leyden, D.Ed., University of Florida, Professor, Elementary and Junior High School Education (1970)
- Maurice C. Libbey, Adv.C., University of Illinois, Associate Professor, Library (1967)
- Inez B. Livingston, Ph.D., The Ohio State University, Professor, Psychology (1968)
- Timothy A. Longfellow, M.B.A., Eastern Illinois University, Instructor, Management/Marketing (1983)
- Michael D. Loudon, Ph.D., State University of New York - Buffalo, Assistant Professor, English (1984)
- Walter S. Lowell, Ed.D., Michigan State University, Professor, Physical Education (1961)
- Harry D. Lowery, B.S. in Ed., Northeast Missouri State University, Lecturer, Intercollegiate Athletics (1984)
- Wilson Luquire, Ph.D., Indiana University, Professor, Library (1980)
- Jeffrey P. Lynch, M.A., University of Dayton, Associate Professor, English (1976)
- Billy G. Lynn, M.A., University of Missouri, Assistant Professor, Economics (1982) (Leave — Fall, 1984)
- M**
- Fred W. MacLaren, Ph.D., University of Oklahoma, Professor, Elementary and Junior High School Education (1961)
- Mary Maddox, M.F.A., University of Iowa, Instructor, English (1979)
- Matthew J. Madigan, M.S., Eastern Illinois University, Faculty Assistant, Chemistry (1978)
- Joanne Magalis, Ph.D., University of Illinois, Assistant Professor, Sociology-Anthropology (1971)
- John N. Maharg, D.Ed., University of Illinois, Professor, Music (1958)
- Harold A. Malehorn, Ph.D., Northwestern University, Professor, Elementary and Junior High School Education (1970)
- Mary Ann Margrave, M.A.S., University of Illinois, Instructor, Accountancy, Data Processing and Finance (1983)
- Terry L. Maris, Ph.D., University of Nebraska, Associate Professor, Management/Marketing (1983)
- Edward K. Marlow, Ph.D., University of Illinois, Associate Professor, Management/Marketing (1984)

- Nancy Marlow, M.B.A., Mississippi State University, Assistant Professor, Management/Marketing (1985-Spring)
- John Marquart, Ph.D., University of Illinois, Professor, Chemistry (1979)
- Joseph M. Martin, M.M., East Carolina University, Assistant Professor, Music (1969)
- Jacinto C. Martinez, M.S., East Texas State University, Assistant Professor, Zoology (1966)
- Merrillie Mather, Ph.D., Boston University, Professor, English (1951)
- Kenneth Matzner, Ph.D., University of Illinois, Assistant Professor, Educational Psychology and Guidance (1984)
- David J. Maurer, Ph.D., The Ohio State University, Professor, History (1962) (Sabbatical Leave — Spring, 1985)
- Jacqueline O. Maxwell, M.A., Brigham Young University, Faculty Assistant, Mathematics (1984)
- Jamie A. Maya, Ph.D., University of Arizona, Associate Professor, Zoology (1966)
- Michael J. Maziarz, M.B.A., Eastern Illinois University, Instructor, Management/Marketing (1984)
- Patricia McAlister, D.Ed., Pennsylvania State University, Associate Professor, Home Economics (1976)
- William J. McCabe, M.A., The University of Iowa, Associate Professor, Physical Education (1962)
- Ralph E. McCausland, B.S., Eastern Illinois University, Lecturer, Intercollegiate Athletics (1983)
- Beryl F. McClerren, Ph.D., Southern Illinois University, Professor, Speech Communication (1964)
- Christine McCormick, Ph.D., University of Minnesota, Assistant Professor, Psychology (1982)
- Frank McCormick, Ph.D., University of Minnesota, Associate Professor, English (1977)
- Mary C. McDaniel, M.A., Eastern Illinois University, Instructor, English (1982)
- Harry L. McDonald, M.S., Eastern Illinois University, Instructor, Technology (1984)
- Walter H. McDonald, Ph.D., University of Illinois, Professor, Geography and Geology (1958) (Part-time)
- John F. McElligott, Ph.D., New York University, Associate Professor, History (1967)
- Harland G. McFarland, M.S.Ed., Southern Illinois University, Associate Professor, Physical Education and Education (1970)
- Ralph Y. McGinness, Ph.D., Denver University, Professor, Speech Communication (1984) (Part-time)
- William P. McGown, Ph.D., University of Southern Mississippi, Professor, Psychology (1970)
- Thomas McIntyre, Ph.D., University of Connecticut, Assistant Professor, Special Education (1981)
- Donald L. McKee, A.M.T., University of Illinois, Assistant Professor, Foreign Languages (1961)
- Eva B. McManus, M.A., James Madison University, Instructor, English (1983)
- Nancy J. McMillan, B.S., New Mexico State University, Instructor, Geography and Geology (1983)
- Andrew D. McNitt, Ph.D., Michigan State University, Associate Professor, Political Science (1977)
- Jerry McRoberts, Ph.D., University of Illinois, Associate Professor, Art (1963)
- J. Earl McSwain, Ph.D., Florida State University, Associate Professor, Speech Communication (1973)
- Robert E. Megginson, Ph.D., University of Illinois, Assistant Professor, Mathematics (1983)
- Robert E. Meier, Ph.D., University of Illinois, Professor, Management/Marketing (1964)
- Paul Z. Melcon, Ph.D., University of Wisconsin-Madison, Assistant Professor, Geography and Geology (1981)
- Harry J. Merigis, D.Ed., University of Oklahoma, Professor, School Service Personnel (1954)
- Floyd E. Merritt, Ph.D., The Ohio State University, Professor, Speech Communication (1970)
- John M. Messer, D.Ed., University of Northern Colorado, Associate Professor, Technology (1977)
- Douglas K. Meyer, Ph.D., Michigan State University, Professor, Geography and Geology (1970)
- Roy A. Meyerholtz, Ed.D., University of Northern Colorado, Professor, Mathematics (1961)
- Martin M. Meiss, Ph.D., Universitaet Innsbruck, Professor, Foreign Languages (1956)
- Beverly B. Miller, M.S.L.S., University of Illinois, Associate Professor, School Service Personnel (1967)
- Charles E. Miller, Jr., M.S., Eastern Illinois University, Faculty Assistant, Physics (1967)
- Patricia L. Miller, M.A., University of Illinois, Instructor History (1985-Spring)
- William D. Miller, Ph.D., The University of Iowa, Professor English (1963)
- Elton D. Minney, M.A., Pacific Lutheran University, Professor, Technology-ROTC (1982)
- Alan I. Molde, Ph.D., University of Utah, Lecturer, Intercollegiate Athletics (1983)
- Al R. Moldroski, M.A., Michigan State University, Professor, Art (1963)
- Donald L. Moler, Ph.D., University of Kansas, Professor, Educational Psychology and Guidance (1951) (Part-time)
- Edward O. Moll, Ph.D., University of Utah, Professor, Zoology (1968)
- Susan M. Moncada, M.B.A., Eastern Illinois University, Instructor, Accountancy, Data Processing and Finance (1983)
- Thomas Moncada, J.D., IIT-Chicago, Kent College of Law, Associate Professor, Accountancy, Data Processing and Finance (1980)
- Matthew M. Monippallil, M.B.A., Loyola University of Chicago, Assistant Professor, Accountancy, Data Processing and Finance (1984) (Part-time)
- John T. Moore, D.B.A., Indiana University, Professor, Management-Marketing (1969)
- Neil E. Moore, Ed.S., University of Northern Colorado, Associate Professor, Physical Education (1970)
- Shirley B. Moore, Ed.D., University of Northern Colorado, Professor, Psychology (1970)
- Herbert O. Morice, Ed.D., University of Houston, Professor, Psychology (1967)
- Marilyn J. Morrow, M.A., Eastern Illinois University, Instructor, Health Education (1982)
- Tarcisio Mosnia, M.S., Eastern Illinois University, Lecturer, Intercollegiate Athletics (1984)
- Susan E. Mounce, M.S., Eastern Illinois University, Instructor, Zoology (1982)
- John E.P. Mullally, Ph.D., University of California, Associate Professor, Foreign Languages (1968)
- Betty G. Muller, M.A., East Carolina College, Assistant Professor, Physical Education (1965)
- Byron E. Munson, Ph.D., University of Illinois, Professor, Sociology-Anthropology (1967)
- Ahmad Murad, Ph.D., University of Wisconsin, Professor, Economics* (1963)
- David H. Murphy, M.S., Indiana State University, Assistant Professor, Botany (1968)
- ¹ Louise Murray, Ph.D., Northwestern University, Professor, English (1951)

¹ Died October 7, 1984

- Jack Murry, Ed.D., University of Illinois, Associate Professor, Business Education and Administrative Office Management (1965)
 Amy Beth Myers, B.A., Eastern Illinois University, Faculty Assistant, Economics (1983)

N

- Judy A. Nagy, M.B.A., Eastern Illinois University, Instructor, Accountancy, Data Processing and Finance (1984)
 Jagdish L. Nanda, Ph.D., Indiana University, Professor, Mathematics (1964)
 Sat P. Narang, M.S.L.S., University of Wisconsin, Associate Professor, Library (1969)
 Shirley W. Neal, Ph.D., University of Illinois, Associate Professor, English (1968)
 Howard F. Nelms, Ed.D., University of Northern Colorado, Professor, Technology (1970)
 Lawrence R. Nichols, Ph.D., Duke University, Professor, History (1962)
 Rebecca C. Nickles, M.B.A., Eastern Illinois University, Instructor, Accountancy, Data Processing and Finance (1984)
 Paul J. Nienaber, M.S., University of Illinois, Assistant Professor, Physics (1983)
 Henry C. Nilsen, M.S., University of Illinois, Assistant Professor, Zoology. (1967)
 Jill M. Nilsen, Ph.D., University of Illinois, Associate Professor, Speech Pathology and Audiology** (1976)
 Janet L. Norberg, Ph.D., The University of Iowa, Professor, Speech Communication (1963)
 Harold D. Nordin, Ph.D., University of Illinois, Professor, Economics (1967)
 Nancy B. Nordtvedt, M.F.A., Montana State University, Assistant Professor, Physical Education (1981)
 John T. North, Ed.D., Indiana University, Professor, Secondary Education and Foundations (1970)
 Grace G. Nunn, Ph.D., The Ohio State University, Assistant Professor, Elementary and Junior High School Education (1983)

O

- Marilyn S. Oglesby, M.S.Ed., Eastern Illinois University, Assistant Professor, Management-Marketing (1969)
 Geraldina Ortiz-Muniz, Ph.D., Florida State University, Professor, Foreign Languages (1962)
 Kenneth R. Osborne, B.S., Eastern Illinois University, Faculty Assistant, Chemistry (1978)
 A. Anthony Oseguera, Ph.D., University of Missouri-Columbia, Associate Professor, Speech Communication (1980)
 Paul D. Overton, Ed.D., University of Northern Colorado, Professor, Educational Psychology and Guidance* (1962)
 Barbara L. Owens, Ph.D., Southern Illinois University, Professor, Home Economics (1969)
 S. Jayne Ozier, Ph.D., Florida State University, Associate Professor, Home Economics (1970)

P

- Ronald Paap, A.M., University of Northern Colorado, Assistant Professor, Physical Education (1963)
 Raymond F. Padovan, M.S.Ed., Southern Illinois University, Assistant Professor, Physical Education (1966)
 Paul E. Panek, Ph.D., University of Akron, Associate Professor, Psychology.* (1977)
 Frank E. Parcels, Ph.D., Southern Illinois University, Associate Professor, Speech Communication (1980)

- Sister Anita Parks, M.S., Eastern Illinois University, Instructor, Home Economics (1983)
 Nancy Sue Paule, M.A., Northern Illinois University, Assistant, Professor, Theatre Arts (1976)
 Marjorie E. Peary, Ph.D., Illinois State University, Assistant Professor, Special Education (1984)
 Stuart L. Penn, Ph.D., Yale University, Professor, Philosophy* (1960)
 Terry Perkins, Ph.D., University of Kansas, Associate Professor, Speech Communication (1979)
 Wayne Peterson, B.S., Eastern Illinois University, Faculty Assistant, Mathematics (1984)
 Nicholas C. Petridis, Ph.D., University of Chicago, Professor, Mathematics (1966)
 Charles E. Pettypool, M.A., The Ohio State University, Associate Professor, Mathematics (1957)
 Raymond N. Pfeifer, Ph.D., Indiana University, Assistant Professor, Special Education (1984)
 Gerald Pierson, M.S.Ed., Eastern Illinois University, Associate Professor, Secondary Education and Foundations (1963)
 Frances M. Pollard, Ph.D., Case Western Reserve University, Professor, Library (1963)
 Mark D. Pos, M.S., Indiana University, Instructor, Physical Education (1984)
 Fredrick Preston, Jr., Ph.D., University of Illinois, Professor, English (1972)
 Howard Z. Price, M.A., University of Missouri, Instructor, Journalism (1984)

Q

- Theodore K. Quinn, Ph.D., The University of Iowa, Associate Professor, English (1972)
 James R. Quivey, Ph.D., Northern Illinois University, Professor, English* (1969)

R

- David Radavich, Ph.D., University of Kansas, Assistant Professor, English (1984)
 Anola E. Radtke, M.M., Indiana University, Associate Professor, Music (1964) (Sabbatical Leave — Spring, 1985)
 Mushfequr Rahman, Ph.D., McGill University, Professor, Mathematics (1967)
 Elizabeth A. Ralston, M.A., University of Wisconsin-Oshkosh, Lecturer, Intercollegiate Athletics (1983)
 Evelyn N. Ransom, Ph.D., University of Illinois, Professor, English (1970)
 Laura M. Rao, M.B.A., Eastern Illinois University, Associate Professor, Library (1976)
 Paladugu V. Rao, M.S.L.S., University of Illinois, Professor Library (1968)
 Melanie Rawlins, Ph.D., University of Nebraska, Associate Professor, Educational Psychology and Guidance (1978)
 David Raybin, Ph.D., Columbia University, Assistant Professor, English (1981)
 John J. Rearden, Ph.D., Oklahoma State University, Professor, Psychology (1968)
 Phyllis L. Rearden, C.A.S., University of Illinois, Associate Professor, Library (1970)
 John D. Reed, A.M., University of Missouri, Assistant Professor, Journalism (1972)
 Martin A. Reed, Ph.D., Southern Illinois University, Associate Professor, Health Education** (1975)
 Denise Rehm, M.F.A., Indiana University, Assistant Professor, Art (1984-Spring)
 Barbara J. Reid, Ed.S., University of Illinois, Assistant Professor, Special Education (1984)
 Eric Ribelin, M.A., Eastern Illinois University, Instructor, Economics (1984)

- Gail Richard, M.S., Eastern Illinois University, Assistant Professor, Speech Pathology and Audiology (1981)
- Virginia Richerson, M.S. Bus. Ed., Southern Illinois University, Instructor, Business Education and Administrative Office Management (1984)
- Bill T. Ridgeway, Ph.D., University of Missouri, Professor, Zoology (1966) (Sabbatical Leave — Spring, 1985)
- Leta Ridgeway, Ed.S., Eastern Illinois University, Associate Professor, Library (1971) (Sabbatical Leave — Spring, 1985)
- Ruth A. Riegel, M.A., Eastern Illinois University, Instructor English (1981)
- Foster C. Rinefort, Ph.D., Texas A & M University, Associate Professor, Management-Marketing (1981)
- Angela M. Rivers, B.F.A., University of Illinois, Faculty Assistant, Art (1981) (Part-time)
- John L. Roberts, Ph.D., The University of Iowa, Professor, Management-Marketing (1965)
- William T. Roberts, M.S., Purdue University, Assistant Professor, Psychology (1978)
- James H. Robertson, Ed.D., University of Illinois, Professor, Music (1956) (Part-time)
- Donald L. Rogers, Ed.D., University of Nebraska, Professor, Secondary Education and Foundations (1963)
- Ferne M. Rogers, M.S., Eastern Illinois University, Instructor, Zoology (1981)
- Richard E. Rogers, Ph.D., Indiana University, Professor, English (1969)
- Dennis C. Roland, Ed.D., Illinois State University, Assistant Professor, Art (1984)
- Greg S. Ronsse, Ph.D., Kansas State University, Assistant Professor, Mathematics (1984)
- Jane M. Rood, M.A., Eastern Illinois University, Instructor, Mathematics (1978)
- Jerome J. Rooke, M.S.Ed., Northern Illinois University, Associate Professor, Accountancy, Data Processing and Finance (1965)
- Stuart A. Rosenkrantz, Ph.D., University of Nebraska-Lincoln, Associate Professor, Management/Marketing (1984)
- Al G. Rundle, M.A., University of Denver, Associate Professor, Speech Communication (1963) (Sabbatical Leave — Spring, 1985)
- Wanda W. Ruyle, Adv.C., University of Illinois, Associate Professor, Elementary and Junior High School Education (1969)
- S**
- Joseph M. Sain, B.A., Eastern Illinois University, Faculty Assistant, Theatre Arts (1977)
- Robert E. Saltmarsh, Ed.D., Indiana University, Professor, Educational Psychology and Guidance (1969)
- Rick Samuels, M.Ed., Eastern Washington State College, Lecturer, Intercollegiate Athletics (1980)
- George P. Sanders, D.M.A., University of Iowa, Associate Professor, Music (1964) (Sabbatical Leave — Spring, 1985)
- J.W. Sanders, Ed.D., University of New Mexico, Professor, Physical Education (1970)
- Karen J. Sanders, M.M., University of Wisconsin, Associate Professor, Music (1966)
- Rosanne Bryce Sanders, Ed.D., University of Northern Colorado, Professor, Business Education and Administrative Office Management (1969)
- Phillip M. Sands, B.S., University of Illinois, Faculty Assistant, Mathematics (1984)
- James A. Saunders, M.A., University of Missouri at Columbia, Assistant Professor, Journalism (1981)
- John E. Schaefer, M.S., University of Wisconsin, Associate Professor, Physical Education (1969)
- Anthony J. Schaeffer, Ph.D., University of California, Associate Professor, Mathematics (1980)
- Edgar B. Schick, Ph.D., Rutgers University, Professor, Foreign Languages (1984)
- Wolfgang T. Schlauch, Ph.D., University of Freiburg, Professor, History (1969)
- George Schlinsog, D.Ed., University of Oregon, Professor, Elementary and Junior High School Education (1967)
- Joan K. Schmidt, M.S.Ed., Northern Illinois University, Assistant Professor, Physical Education (1970)
- Michael B. Schmitz, Ph.D., University of Wisconsin at Milwaukee, Assistant Professor, Mathematics (1983)
- Gene W. Scholes, Ph.D., Southern Illinois University, Associate Professor, Library (1966)
- William W. Scott, Ph.D., University of Michigan, Professor, Botany (1968)
- Keith A. Sculle, Ph.D., University of Illinois, Assistant Professor, History (1985-Spring)
- William J. Searle, Ph.D., Purdue University, Associate Professor, English (1976)
- Phillip M. Settle, M.F.A., University of Illinois, Associate Professor, Art (1957)
- Carl N. Sexton, D.P.Ed., Indiana University, Professor, Health Education (1966)
- Colin B. Shaffner, M.B.A., Eastern Illinois University, Instructor, Management/Marketing (1984)
- June Shanholtzer, M.S.Ed., Eastern Illinois University, Instructor, Mathematics (1982)
- Kathlene L. Shank, Ph.D., University of Illinois, Professor, Special Education* (1970)
- Elizabeth A. Shapland, Adv.C., Northern Illinois University, Instructor, English (1983)
- Max A. Sharp, M.A., Ball State University, Instructor, Journalism (1980)
- Maurice D. Sheperd, M.A.T., Indiana University, Assistant Professor, Chemistry and Student Teaching (1967) (Sabbatical Leave — Spring, 1985)
- Edward O. Sherman, Ph.D., University of Illinois, Professor, Chemistry (1977)
- Timothy A. Shonk, Ph.D., University of Tennessee at Knoxville, Assistant Professor, English (1981)
- Richard J. Sidwell, Ph.D., University of Utah, Professor, Economics (1970)
- Jeanne H. Simpson, D.A., Illinois State University, Assistant Professor, English (1981)
- John M. Simpson, Ph.D., University of Texas at Austin, Associate Professor, English (1975) (Sabbatical Leave — 1984-1985)
- Stanley D. Siron, M.B.A., Central Missouri State University, Instructor, Accountancy, Data Processing and Finance (1983)
- Melvin M. Slott, Ph.D., The Ohio State University, Professor, Theatre Arts (1983)
- Michael K. Smeltzer, M.S., University of Illinois, Instructor, Journalism (1981)
- Allen W. Smith, Ph.D., Indiana University, Professor, Economics (1970)
- Calvin N. Smith, Ph.D., Purdue University, Professor, Speech Communication (1965)
- Catherine A. Smith, D.Mus., Florida State University, Professor, Music (1949)
- Irvn A. Smith, M.S., Eastern Illinois University, Instructor, Technology (1983)
- ¹ Katherine A. Smith, Ed.D., University of Illinois, Assistant Professor, Home Economics (1982)

¹ Resigned, January 5, 1985

- P. Scott Smith, Ph.D., Cornell University, Professor, Physics (1953)
- Richard L. Smith, Ph.D., University of Texas, Professor, Botany (1965)
- William A. Smith, M.S., University of Illinois, Assistant Professor, Recreation and Leisure Studies (1978)
- Donald W. Smitley, Ed.D., University of Illinois, Professor, School Service Personnel* (1970)
- Paula Snyder, B.S., Michigan State University, Faculty Assistant, Home Economics (1973) (Part-time)
- Robert C. Snyder, D.M.A., University of Missouri, Professor, Music (1967)
- Robert E. Snyder, Ph.D., The University of Iowa, Professor, Music. (1969)
- Margaret Soderberg, Ph.D., Washington University, Professor, Political Science (1962)
- Robert B. Sonderman, Ed.D., University of Missouri, Professor, Technology (1956)
- Walter Sorge, Ed.D., Columbia University, Professor, Art (1970)
- Nance Southworth, M.A., Michigan State University, Instructor, Home Economics (1984)
- Roland D. Spaniol, Ph.D., The University of Iowa, Professor, Accountancy, Data Processing and Finance (1960)
- John M. Speer, Ph.D., The Ohio State University, Professor, Botany (1969)
- Walter B. Spencer, Ph.D., Baylor University, Professor, Psychology (1971)
- Frances H. Squires, Ph.D., The Ohio State University, Assistant Professor, Elementary and Junior High School Education (1983)
- Bernadine E. Stake, Ed.D., University of Illinois, Assistant Professor, Student Teaching (1984-Spring)
- Brian B. Stanko, M.B.A., Eastern Illinois University, Instructor, Accountancy, Data Processing and Finance (1980)
- Sidney R. Steele, Ph.D., The Ohio State University, Professor, Chemistry (1947) (Part-time)
- M. Lee Steinmetz, Ph.D., Brown University, Professor, English (1959)
- Paul R. Stephen, M.S., University of Southern California, Instructor, Management/Marketing (1983)
- Robert W. Sterling, M.S.Ed., Eastern Illinois University, Associate Professor, History (1956)
- Carol D. Stevens, Ph.D., Bowling Green State University, Associate Professor, English (1981)
- Frank C. Stokes, Ph.D., University of Illinois, Professor, English (1969)
- Lester B. Stoner, B.S., Eastern Illinois University, Faculty Assistant, Geography and Geology (1984) (Part-time)
- Sue B. Stoner, M.S.Ed., Eastern Illinois University, Associate Professor, Psychology (1965)
- Leonard Storm, Ph.D., University of Illinois, Associate Professor, Physics (1979)
- Alice C. Stoughton, M.S., University of Oregon, Associate Professor, Physical Education (1971)
- Daniel A. Stout, Jr., B.A., Brigham Young University, Faculty Assistant, Journalism (1984)
- Gayle G. Strader, M.S.Ed., University of Illinois, Assistant Professor, Home Economics (1965)
- Clifford E. Strandberg, Ed.D., Texas A & M University, Professor, Technology (1965)
- James F. Stratton, Ph.D., Indiana University, Professor, Geography and Geology (1975)
- Barbara Sturgis-Everett, M.M., Peabody Conservatory of Music, Assistant Professor, Music (1982)
- Frieda S. Stute, Ph.D., University of Illinois, Associate Professor, Sociology-Anthropology (1966)
- Osman Suliman, M.A., Indiana University, Instructor, Economics (1984)
- Gerald E. Sullivan, Ph.D., University of Minnesota, Professor, Theatre Arts* (1969)
- Lila E. Sullivan, M.A., Eastern Illinois University, Instructor English (1983) (Part-time)
- Robert N. Sullivan, Ph.D., Georgia State College, Professor, Business Education and Administrative Office Management* (1964)
- Timothy E. Sullivan, M.S., University of Illinois, Assistant Professor, Economics (1983)
- Francis E. Summers, Ed.D., University of Illinois, Professor, Student Teaching* (1965)
- ¹ Judith A. Sunderman, M.B.A., Eastern Illinois University, Instructor, Management/Marketing (1983)
- L. Donald Sundheim, M.A., University of Minnesota, Associate Professor, Foreign Languages (1968)
- Kenneth R. Sutton, Ph.D., University of New Mexico, Professor, Secondary Education and Foundations (1970)
- Richard Swartzbaugh, Ph.D., The Ohio State University, Assistant Professor, Sociology-Anthropology (1972)
- Joel A. Swisher, Ph.D., Utah University, Lecturer, Intercollegiate Athletics (1984-Spring)
- Susan H. Swisher, M.A., Adams State College, Instructor, English (1984)
- Charles Switzer, Ph.D., Michigan State University, Professor, English (1966)
- T**
- Nancy P. Taitt, Ph.D., University of Illinois, Assistant Professor, Mathematics (1969)
- Frank S. Taylor, Ph.D., Boston University, Associate Professor, Philosophy (1965)
- William F. Thompson, Ph.D., University of Arkansas, Associate Professor, Economics (1981)
- Daniel E. Thornburgh, Ed.D., Indiana University, Professor, Journalism* (1959)
- Laurence C. Thorsen, Ph.D., University of Illinois, Professor, Political Science* (1968)
- ² Wayne L. Thurman, Ph.D., Purdue University, Professor, Speech Pathology and Audiology (1953) (Sabbatical Leave — Fall, 1984)
- Robert C. Timblin, A.M., University of Illinois, Assistant Professor, Sociology-Anthropology (1960)
- Donald F. Tingley, Ph.D., University of Illinois, Professor, History (1953)
- Donald C. Tracy, M.M., University of Michigan, Associate Professor, Music (1968)
- Frank R. Trocki, Ed.D., West Virginia University, Associate Professor, Technology (1981)
- Clayton E. Tucker-Ladd, Ph.D., University of Iowa, Professor, Psychology (1974)
- V**
- Robert F. Valois, Jr., Ph.D., University of Illinois, Assistant Professor, Health Education (1982)
- Stuart P. Vincent, M.S., University of Nebraska, Associate Professor, Elementary and Junior High School Education (1967)
- Peter M. Voelz, Ph.D., University of Michigan, Associate Professor, Journalism (1978)
- Virginia L. Vogel, Ph.D., University of Illinois, Associate Professor, Home Economics (1972)
- W**
- Leyla Waddell, M.A., Eastern Illinois University, Faculty Assistant, Library (1967) (Part-time)
- Robert C. Waddell, Ph.D., Iowa State University, Professor, Physics (1948) (Part-time)

¹ Resigned, December 23, 1984.

² Retired, December 31, 1984.

- Ronald G. Wallace, Ph.D., The Ohio State University, Professor, Geography-Geology* (1970)
- John A.J. Walstrom, Ph.D., University of Nebraska, Professor, Accountancy, Data Processing and Finance (1984)
- Willis O. Waltman, Ed.S., Eastern Illinois University, Associate Professor, Library (1969) (Sabbatical Leave — Fall, 1984)
- Paul L. Ward, Ph.D., The Ohio State University, Professor, Educational Psychology and Guidance (1967)
- Norman Ware, D.B.A., Indiana University, Associate Professor, Management-Marketing (1982)
- Charles W. Watson, M.A., Western Kentucky State College, Assistant Professor, Technology (1965) (Sabbatical Leave — 1984-1985)
- Margaret Weaver, M.S., University of Illinois, Instructor, Mathematics (1980)
- Michael Weaver, M.B.A., Eastern Illinois University, Instructor, Management-Marketing (1979)
- Mary L. Weber, M.S., University of California, Associate Professor, Physical Education (1970)
- Robert W. Weidner, Ph.D., University of Rochester, Professor, Music (1965)
- Terry M. Weidner, Ph.D., University of California, Associate Professor, Botany* (1964)
- Nancy Weiler, Ph.D., University of Illinois, Professor, Speech Pathology and Audiology (1969)
- William A. Weiler, Ph.D., Purdue University, Professor, Botany. (1969)
- Ralph B. Weller, Ph.D., University of Nebraska, Associate Professor, Management/Marketing (1983)
- Sandra Westbrooks, M.S., Eastern Illinois University, Assistant Professor, Student Teaching (1979) (Leave — 1984-1985)
- Mitchell H. Whaley, M.A., Ball State University, Instructor, Physical Education (1982)
- Edwin A. Whalin, Jr., Ph.D., University of Illinois, Professor, Physics (1966)
- Robert V. Wharton, Ph.D., Columbia University, Professor, English (1956)
- John A. Whisler, M.A., University of Iowa, Assistant Professor, Library (1981)
- Richard A. White, Ed.D., University of Illinois, Associate Professor, Elementary and Junior High School Education (1969)
- Wesley C. Whiteside, Ph.D., Florida State University, Professor, Botany (1960) (Sabbatical Leave — Fall, 1984)
- L. Stephen Whitley, Ph.D., Purdue University, Professor, Zoology (1963)
- Roger L. Whitlow, Ph.D., St. Louis University, Professor, English (1967) (Sabbatical Leave — Fall, 1984)
- Robert L. Whittenbarger, Ph.D., University of Wisconsin, Associate Professor, Sociology-Anthropology* (1975)
- Carl E. Wilen, M.F.A., University of Illinois, Associate Professor, Art (1965)
- Roger G. Wiley, M.A., Louisiana State University, Associate Professor, Speech Communication (1964)
- Wanda L. Wiley, M.A., Louisiana State University, Assistant Professor, Speech Communication (1976) (Fall)
- Marilyn L. Wilkins, Ed.D., University of North Dakota, Associate Professor, Business Education and Administrative Office Management (1983)
- Erma Jean Williams, Ph.D., Southern Illinois University, Assistant Professor, Special Education (1981)
- Larry J. Williams, Ph.D., University of Illinois, Associate Professor, Mathematics (1964)
- Delbert Willison, M.Ed., University of Illinois, Instructor, English (1984)
- Gilbert E. Wilson, Ph.D., Southern Illinois University, Associate Professor, Health Education (1962)

- Michael D. Wilson, M.B.A., Eastern Illinois University, Instructor, Management-Marketing (1983)
- Richard L. Wise, A.M., University of Illinois, Assistant Professor, Geography and Geology (1976)
- Robert C. Wiseman, Ed.D., Indiana University, Professor, School Service Personnel (1958)
- Mary D. Wohlrabe, M.A., Northern Illinois University, Instructor, Journalism** (1981)
- Ronald T. Wohlstein, Ph.D., University of Illinois, Associate Professor, Sociology-Anthropology (1970)
- M. Thomas Woodall, Ph.D., The University of Iowa, Professor, Physical Education (1965)
- Susan Woods, M.S., University of Illinois, Assistant Professor, Health Education (1976)
- Glenn P. Wright, Ph.D., University of North Carolina, Associate Professor, English (1977)

Y

- Stephen D. Yount, M.S., Eastern Illinois University, Lecturer, Intercollegiate Athletics (1982)
- Marina Su-Chin Yu, M.A., Texas Woman's University, Assistant Professor, Physical Education (1966)

Z

- Anne R. Zahlan, Ph.D., University of North Carolina at Chapel Hill, Assistant Professor, English (1984)
- Claudia Zimarowski, M.A., Marshall University, Assistant Professor, Special Education (1982)
- James B. Zimarowski, J.D., West Virginia University, Assistant Professor, Management-Marketing (1982)
- U. Douglas Zimmerman, Ph.D., University of Missouri, Associate Professor, Botany (1972)
- Gary L. Zwicky, D.M.A., University of Illinois, Professor, Music (1966)

SPECIAL PROJECTS

- Barbara R. Adams, M.S. in Ed., Eastern Illinois University, User Services Specialist, IOICC (1981)
- Annastacia E. Alston, B.A., Smith College, Research Assistant, Bureau of Employment Security (1984)
- Robin G. Bagwell, B.S., Eastern Illinois University, Support Services Coordinator, Peace Meal (1984)
- Diane Blair, B.S., University of Oregon, Administrative Assistant, Occupational Education (1984)
- Phyllis Camplin, M.A., Governors State University, Research Assistant, Bureau of Employment Security (1984)
- Cheryl A. Chalmers, B.S., DePaul University, Research Assistant, IOICC (1982)
- Patricia L. Cox, B.A., Sangamon State University, Information Researcher, IOICC (1982)
- William T. Crusor, B.A., Southern Illinois University, Research Assistant, IOICC (1981)
- Stephanie Daniels, B.S., Olivet Nazarene College, Research Assistant, IOICC (1984)
- Mary L. Davis, M.A.T., Indiana University, Assistant Director, Peace Meal. (1977)
- Donnita B. Dulaney, M.P.A., Sangamon State University, User Services Manager, IOICC (1980)
- J. Clark Esarey, Adv.C., University of Illinois, Consultant, Public Private Partnership Program (1979)
- Carol Foster, B.A., West Virginia State University, Research Assistant, IOICC (1981)
- Anthony G. Fricano, B.S., Eastern Illinois University, Coordinator, Traffic and Safety Program (1979)
- Georgetta Hairston, M.A., Roosevelt University, Research Assistant, Bureau of Employment Security (1984)
- Sarah Hawker, M.A., Sangamon State University, Information Development Specialist, IOICC (1981)

- Venus D. Henning, B.S., Loyola University, Research Specialist, Bureau of Employment Security (1984)
- Joyce Herron, B.A., Chicago State University, Research Assistant, IOICC (1981)
- Marsha Jaeggi, B.A., Sangamon State University, Administrative Assistant, IOICC (1981)
- Alice Jane Johnson, Assistant to the Director, Peace Meal (1976)
- Lisa E. Klose, B.A., Elmhurst College, Research Assistant, Bureau of Employment Security (1984)
- Lynne D. Kress, M.A., Illinois State University, Information Development Specialist, IOICC (1984)
- Susan Latuff, B.A., St. Mary's College, Research Specialist, Bureau of Employment Security (1984)
- Dorothy M. Lawson, M.S.Ed., Eastern Illinois University, Coordinator, Public Private Partnership Program (1979)
- Catherine M. Lentz, B.A., Eastern Illinois University, Executive Assistant, Peace Meal (1984)
- Leona M. Lucas, B.S., Eastern Illinois University, Nutritionist, Peace Meal (1978)
- Becky S. Markwell, B.A., Eastern Illinois University, Coordinator, Alcohol Safety Program (1983)
- Hettye McCrary, Research Assistant, Bureau of Employment Security (1984)
- G. Richard McKenzie, M.B.A., Drexel University, Horizons Director, IOICC (1983)
- Kenneth Meister, A.S., Milwaukee School of Engineering, Research Assistant, Bureau of Employment Security (1984)
- Margaret K. Messer, B.S., Berea College, Assistant Director, Peace Meal (1977)
- Vickie L. Oliver, M.A., Sangamon State University, Occupational Information Specialist, IOICC (1981)
- Jane E. Peterson, B.S., Eastern Illinois University, Support Services Coordinator, Peace Meal (1984)
- Deborah P. Rigell, B.S., North Georgia College, Training Coordinator, IOICC (1984)
- Barbara A. Seagren, B.S., Eastern Illinois University, Assistant Director, Peace Meal. (1976)
- Dane R. Selby, B.A., Sangamon State University, Information Development Manager, IOICC. (1981)
- Minal Shah, M.A., University of Bombay, India, Research Assistant, Bureau of Employment Security. (1984)
- A. Louise Smith, Administrative Assistant, IOICC. (1983)
- Jan J. Staggs, M.S., Sangamon State University, Executive Director, IOICC. (1980)
- Harriett J. Steele, B.S., The Ohio State University, Faculty Assistant, National Science Foundation Grant (1981)
- Adalma Stevens, B.A., Sangamon State University, User Services Specialist, IOICC. (1981)
- Nancy Stoutenborough, B.S., Eastern Illinois University, Support Services Coordinator, Peace Meal. (1984)
- Michael L. Strader, B.S.Ed., Eastern Illinois University, Project Director, Peace Meal. (1976)
- Marc D. Thomas, B.A., Indiana University, Research Specialist, Bureau of Employment Security. (1984)
- William H. Wallace, B.S., Greenville College, Research Assistant, Bureau of Employment Security. (1984)
- Linda C. Warfel, B.S. in Ed., Eastern Illinois University, Faculty Assistant, ENR Coal Research Grant. (1984)
- Henry Watson, Research Assistant, IOICC. (1981)
- Robert Wegner, Ph.D., University of Illinois, Research Assistant, Bureau of Employment Security. (1984)
- Sheila M. Welsh, B.S., Eastern Illinois University, Support Services Coordinator, Peace Meal. (1983)

EMERITUS FACULTY

Presidents

Quincy V. Doudna, Ph.D.
 Gilbert C. Fite, Ph.D.
 Daniel E. Marvin, Jr., Ph.D.

Vice Presidents

Peter R. Moody, Ph.D., Academic Affairs
 Martin Schaefer, Ph.D., Administrative Affairs
 William H. Zeigel, Ph.D., Administrative Affairs

Professors

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- Academic Assistance, 14, 38
 - Former Students, 38
 - New Students, 38
 - Students Changing Majors, 38
- Academic Dismissal, 42
- Academic Integrity, 42
- Academic Load, 42
- Academic Organization and Course Descriptions, 93
- Academic Probation, 41
- Academic Regulations and Requirements, 39
- Academic Standing, 41
- Acceptance of Credit for Other Work, 39
- Accountancy Course Descriptions, 95
- Accounting Major, B.S. in Business, 60
- Accreditation, 11
- Activity Fee, 17
- Adkins, Gayle Hutton, Award, 27
- Administrative Office Management, B.S. in Business, 60
- Administrative Officers, 10, 157
- Admissions, 35
 - for Continuing Education, 49
 - of Foreign Graduate Students, 90
 - of Foreign Undergraduate Students, 36
 - to Graduate Courses, 89
 - Policies, 35
 - Prescriptive Program, 36
 - Procedures, 37
 - to Teacher Education, 56
- Adult Education (see Continuing Education), 49
- Adult Education Minor, 60
- Advanced Placement Tests, 40
- Afro-American Studies Course Descriptions, 95
- Afro-American Studies Major, B.S., 60
- Afro-American Studies Minor, 60
- Afro-American Interdisciplinary Minor, 61
- All University Requirements, 58
- Alternate Secondary Education Program, 55
- Alumni Association, 12
- Alumni Organizations, 12
- Anthropology Course Descriptions, 95
- Anthropology Minor, 61
- Application, Admission to Teacher Education, 56
- Application, Assignment for Teaching Practicum, 57
- Application for Graduation, 46
- Applied Sciences, 11
- Art Course Descriptions, 96
- Art Department Clubs, 18
- Art Education Major, B.A. for Teacher Certification, 61
- Art, Graphic Design Option, 61
- Art History Option, B.A., 61
- Art Minor, 61
- Art Studio Option, B.A., 61
- Arts and Sciences Course Descriptions, 98
- Assistantships, Graduate, 90
- Athletic Organizations, 18
- Athletics Training Option, 79, 80
- Attainment Fund Scholarship, 27
- Attendance, Class, 43
- Audio-Visual Services, 16
- Auditing of Courses, 43
- Auditions, Music, 129
- Automobile Registration and Control, 20
- Awards, University, 27
- Bachelor's Degree, Requirements for, 45
- Basic Educational Opportunity Grant, 32
- Bicycle Registration and Control, 20
- Blair Hall, 12
- Board of Governors Degree Program, B.A., 62
- Board of Governors of State Colleges and Universities, 10
- Board and Room Charges, 24
- Board and Room Refund, 25
- Book Rental and Sales, 16
- Booth Library, 12, 16
- Botany Course Descriptions, 99
- Botany Department Clubs, 18
- Botany Major, B.S., 62
- Botany Major, B.S. for Teacher Certification, 62
- Botany Minor, 62
- Briggs, Alexander, Memorial Award, 27
- Briggs, Margaret, Mathematics Scholarships, 28
- Business Administration Course Descriptions, 100
- Business Administration Minor, 62
- Business Course Descriptions, 100
- Business Education and Administrative Office Management Course Descriptions, 100
- Business Education Comprehensive Major, B.S. in Education, 63
- Business Education Major, B.S. in Education, 63
- Business Education Minor, 63
- Buzzard House, 11
- Buzzard, Robert A., Building, 12
- Calendar, University, 5
- Campus, The, 11
- Campus Map, 2
- Cards of Entitlement (see Certification), 47
- Career Occupations Major, B.S., 64
- Career Occupations Major, B.S. for Teacher Certification, 64
- Career Planning, 15
- Carman, Ruth, Scholarship, 28
- Carothers, Adelia, Fund, 31
- Certification, 47
- Change of Grade, 41
- Change in Load, Refund, 25
- Changing Major, 38
- Charges for Materials, 24
- Chemistry Breakage Ticket, 24
- Chemistry Course Descriptions, 102
- Chemistry Department Clubs, 18
- Chemistry Major, B.S., 64
- Chemistry Major with Management Option, B.S., 64
- Chemistry Major, B.S. for Teacher Certification, 65
- Chemistry Minor, 64, 65
- Class Attendance, 43
- Classification of Students, 41
- Clinical Services Building, 12
- Cole, Walter and Lola Stephenson, Scholarship, 28
- Coleman, Dorothee and Charles H., Scholarship, 28
- Coleman Hall, 12
- College Level Examination Program, Credit for, 40
- College Level Examination Program, Subject Examination, 40
- College Level General Education Development Tests, 40
- College of Applied Sciences, 54
- College of Arts and Sciences, Cooperative Programs, 54
- College of Arts and Sciences, Specific Programs, 52
- College of Arts and Sciences, Teacher Education Programs, 54
- College of Business Dean's Award, 30
- College of Business, Professional Business Program, 54
- College of Education, Teacher, Education, 55
- College of Fine Arts, Professional Programs, 58
- College of Fine Arts, Teacher Preparation Programs, 58
- College of Health, Physical Education and Recreation, Professional Programs, 58
- College of Health, Physical Education and Recreation, Teacher Preparation Programs, 58
- College Work Study Program, 32

- Collier, Lula Craig, Scholarship, 28
 Community Health Option, 71
 Computational Mathematics Major, B.S., 65
 Computer Management Major, B.S. in Business, 65
 Concurrent Enrollment, 43
 Conduct Code, 15
 Conferences, 50
 Constitution Examination, 45
 Constitution Examination Fee, 24
 Continuing Education, 49
 Continuing Education, Fees for, 24, 50
 Correspondence Courses, Credit for, 39
 Counseling Center, 14
 Countryman, Calvin, Memorial Award, 28
 Course Descriptions, 94
 Accountancy, 95
 Afro-American Studies, 95
 Anthropology, 95
 Art, 96
 Arts and Sciences, 98
 Botany, 99
 Business Administration, 100
 Business, 100
 Business Education and Administrative Office Management, 100
 Chemistry, 102
 Data Processing, 104
 Earth Science, 104
 Economics, 104
 Educational Administration, 106
 Educational Foundation, 107
 Educational Guidance, 107
 Educational Psychology, 108
 Elementary Education, 109
 English, 110
 Environmental Biology, 112
 Finance, 113
 Fine Arts, 113
 Foreign Languages, 113
 French, 114
 General Studies, 116
 Geography, 116
 Geology, 117
 German, 114
 Health Education, 117
 History, 119
 Home Economics, 120
 Industrial Technology, 122
 Information Services and Technology, 123
 Journalism, 124
 Junior High School Education, 125
 Latin, 115
 Life Science, 125
 Management, 125
 Marketing, 126
 Mathematics, 127
 Medical Technology, 129
 Military Science, 129
 Music, 129
 Occupational Education, 133
 Philosophy, 134
 Physical Education Service Courses, 134
 Physical Education Professional Courses, 135
 Physical Science, 137
 Physics, 137
 Political Science, 139
 Psychology, 141
 Recreation, 143
 Secondary Education, 144
 Senior Seminar, 144
 Social Science, 144
 Sociology, 144
 Spanish, 115
 Special Education, 146
 Speech Communication, 147
 Speech Pathology and Audiology, 149
 Student Leadership, 150
 Student Teaching, 150
 Technology Education, 150
 Theatre Arts, 151
 Women's Studies, 152
 Zoology, 152
 Course Enrollment, 43
 Course Numbering, 94
 Course Repeating, 43
 Courses, Allowed for Distribution Requirements, 59
 Creative Writing Minor, 65
 Credit, 39
 for Advanced Placement Tests, 40
 for College Level Examination Program, 40
 for College Level Examination Program Subject Examinations, 40
 for Continuing Education Courses, 50
 for Correspondence and Extension Courses, 39
 for Courses in Other Colleges and Universities, 39
 Earned at Eastern Illinois University, 39
 from a College taken while High School Student, 39
 for Independent Study, 41
 for Undergraduate Internship Experience, 40
 for Military Service, 39
 by Proficiency Examinations, 40
 Credit Organizations in Music, 130
 Credit/No Credit Option, 44
 Danforth Foreign Language Fund, 28
 Data Processing Course Descriptions, 104
 Dean's List, 46
 Definition of Grading Period, 41
 Degrees and Major, 52
 Degrees with Distinction, 47
 Denton, Gretchen Sue, Scholarship, 28
 Department Honors, 47
 Departmental Clubs, 18
 Descriptions of Courses, 94
 Disadvantaged Student Scholarship, 27
 Dismissal, Academic, 42
 Distribution Requirements, 58, 59
 Distribution Requirements, Courses which Satisfy, 59
 Division of the Year, 12
 Dormitory Complexes, 12
 Doudna, Quincy V., Fine Arts Center, 12
 Dougherty, Eunice W., Scholarship, 28
 Drury, Thomas R., Scholarship, 28
 Dudley, G.B., Award, 28
 Dvorak, Leo J., Memorial Award, 28
 Earth Science Course Descriptions, 104
 Earth Science Major, B.S., 65
 Earth Science Minor, 66
 Eastern Illinois University Foundation, 12
 Economics Course Descriptions, 104
 Economics Department Clubs, 18
 Economics Major, B.A., 66
 Economics Minor, 66
 Educational Administration Course Descriptions, 106
 Educational Foundation Course Descriptions, 107
 Educational Guidance Course Descriptions, 107
 Educational Psychology and Guidance Department Clubs, 18
 Educational Psychology Course Descriptions, 108
 Ehrsam, Roy E., Scholarship, 28

- Elementary Education Course Descriptions, 109
- Elementary Education Department Clubs, 18
- Elementary Education Major, B.S. in Education, 66
- Elementary Education Major, Flexible Program for
 - Elementary Majors with 3.50 Cumulative GPA, 68
- Elementary and Junior High School Student Teaching Loan Fund, 31
- Elliott, Charles A., Industrial Arts Education Award, 28
- Emergency Loan Fund, 31
- Emeritus Faculty, 172
- Employment, Student, 15
- Engineering Major, B.S., 68
- English Course Descriptions, 110
- English Department Clubs, 18
- English Major, B.A., 68
- English Major, B.A. for Teacher Certification, 69
- English Minor, 68, 69
- Enochs, Richard G., Scholarship, 28
- Enrollment, 35
- Enrollment Procedures, Continuing Education, 50
- Enrollment Procedures, Former Students, 37
- Enrollment Procedures, New Students, 37
- Enrollment Procedures, Students Currently Enrolled, 37
- Enrollments, Summary of, 155
- Environmental Biology Course Descriptions, 112
- Environmental Biology Major, B.S., 69
- Expenses, 21
- Extension Services (see Continuing Education), 49
- Faculty, 1984-85, 157
- Federal Educational Opportunity Grants, 32
- Federal ROTC Scholarships, 27
- Fees, 1985-86, 23
- Fees for Continuing Education, 24, 50
- Field Trips, 43
- Final Examination Changes, 44
- Finance Course Descriptions, 113
- Finance Major, B.S. in Business, 69
- Financial Aids, 26, 90
- Fine Arts Course Descriptions, 113
- Fogelsanger, Ardath Louise, History Scholarships, 28
- Foreign Languages Course Descriptions, 113
- Foreign Languages, French Clubs, 18
- Foreign Languages, German Clubs, 18
- Foreign Language Placement, 114
- Foreign Languages, Spanish Clubs, 18
- Foreign Students, Admission of, 36, 90
- Foreign Student Scholarship, 27
- Forensics, 17
- Fraternities, Social, 19
- French Course Descriptions, 114
- French Major, B.A., 69
- French Major, B.A. for Teacher Certification, 70
- French Minor, 69, 70
- Freshman-Sophomore Motor Vehicle Regulation, 20
- Frommel, Ann, Memorial Award, 28
- Gaertner, Ruth, Scholarship, 28
- General Assembly Scholarship, 26
- General Education Requirements, 58
- General Information, 11
- General Library Service Fee, 24
- General Services, 14
- General Studies Course Descriptions, 116
- Geography Course Descriptions, 116
- Geography and Geology Department Clubs, 18
- Geography Major, B.S., 70
- Geography Major, B.S. for Teacher Certification, 71
- Geography Minor, 70, 71
- Geology Course Descriptions, 117
- Geology Major, B.S., 71
- Geology Minor, 71
- German Course Descriptions, 114
- German Major, B.A., 69
- German Major, B.A. for Teacher Certification, 70
- German Minor, 69, 70
- Giffin, Elsie and Erson, Scholarship, 28
- Good Standing, 41
- Grade Point Average, 41
- Grades, 41
- Grades Changed, 41
- Grading Period, Definition of, 41
- Graduate Assistantships, 90
- Graduate Degrees Offered, 90
- Graduate Degree Programs, 89
- Graduate Degree Program Requirements, 89
- Graduate Student Load, 43
- Graduate Study, 89
- Graduate Study, Admission, 89
- Graduate Study in the Senior Year, 90
- Graduation, Application for, 46
- Graduation Fee, 24
- Graduation Honors, 46
- Graduation Requirements, 44
- Graduation Requirements, Responsibility of Students,
 - Inside Front Cover, 44, 51
- Grants-in Aid, 27
- Graphic Design Option, 61
- Grud, Thomas A., Scholarship, 28
- Harris, Ruby M., Scholarship, 28
- Health Education Competency Examination Fee, 24
- Health Education Course Descriptions, 117
- Health Education Department Club, 18
- Health Education Major, B.S. for Teacher Certification, 71
- Health Education Minor, 71
- Heller, Hobart F., Scholarship, 28
- High School Students, Admission of, 36
- History Course Descriptions, 119
- History Department Clubs, 18
- History Major, B.A., 72
- History Major, B.A. for Teacher Certification, 72
- History Minor, 72
- History of the University, 11
- Home Economics Club, 18
- Home Economics Course Descriptions, 120
- Home Economics Education Major, B.S. for Teacher Certification, 73
- Home Economics Major with Dietetics Option, B.S., 72
- Home Economics Major with Business Option, B.S., 72
- Home Economics Major with Family Service Option, 72
- Home Economics Minor, 73
- Honors, 46
- Honors Program, 46
- Honors Program Scholarship, 46
- Housing, Married, 14
- Housing Security Deposit, 24
- Housing, University, Policies, 13
- Hubele, Glen E., Scholarship, 29
- Humanities Courses, 59
- Illinois Congress of Parents and Teachers Loan Fund, 31
- Illinois Guaranteed Loan Program, 31
- Illinois National Guard Scholarship, 26
- Illinois Orphans Education Act, 32
- Illinois State ROTC Scholarships, 27
- Illinois State Scholarships, 26
- Illinois Veterans Scholarship, 32
- Industrial and Business Placement Services, 15
- Industrial Technology Course Descriptions, 122

- Industrial Technology Major, B.S., 73
 Industrial Technology Minor, 73
 Information Services and Technology Course Descriptions, 123
 Institutes, 50
 Instructional Service, 16
 Instructional Staff, 160
 Insurance, 15
 Intercollegiate Athletics, 18
 Interfraternity Council, 19
 International Students, Admission, 36
 Internship Experience, 40
 Intramural Athletics, 18

 Journalism Course Descriptions, 124
 Journalism Department Clubs, 18
 Journalism Loan Fund, 31
 Journalism Major, B.A., 73
 Journalism Minor, 74
 Junior High School Education Course Descriptions, 125
 Junior High School Education Major, B.S. in Education, 74

 King, Bobbie, Memorial Scholarship, 29
 King, Martin Luther Jr., Scholarship, 29
 King, Martin Luther Jr., University Union, 12, 17
 Klehm, Walter A., Industrial Arts Education Award, 29

 Lantz, Charles P. and Mary E., Scholarship, 29
 Lantz Health, Physical Education and Recreation Building, 12
 Late Enrollment Fee, 24
 Late Housing Payment Fee, 25
 Latin American Studies, 92
 Latin Course Descriptions, 115
 Latin Minor, 70
 Lawson, Elizabeth K., Emergency Loan Fund, 31
 Library, Mary J. Booth, 12, 16
 Library Services, 16
 Library, Textbook, 16
 Life Science Building, 12
 Life Science Course Descriptions, 125
 Living Accommodations, 13
 Load, Normal Academic, 42
 Loans, 30
 Location, 11
 Lock Purchase, 24
 Lord, Livingston C., Administration Building, 12
 Lord, Livingston C., Memorial Scholarship, 29

 Majors and Degrees, 52
 Majors and Minors, Requirements for, 60
 Management Course Descriptions, 125
 Management Major, B.S. in Business, 75
 Map, Campus, 2
 Marketing Course Descriptions, 126
 Marketing Major, B.S. in Business, 75
 Married Housing, 14
 Master of Arts and Master of Science Degrees, 90
 Master of Business Administration, 90
 Master of Science in Education Degree, 90
 Mathematics Course Descriptions, 127
 Mathematics Department Clubs, 18
 Mathematics Major, B.A., 76
 Mathematics Major, B.A. for Teacher Certification, 76
 Mathematics Minor, 76
 Mathematics-Science General Education Requirements, 59
 Maximum Load, 42
 McAfee, Florence, Loan Fund, 31
 McAfee, Florence, Scholarship, 29
 McAfee Gymnasium, 12
 McConkey, Glenn A., Scholarship, 29

 McDonald, Walter H. and Dorothea V., Scholarship, 29
 McKinney, Isabel, Scholarship, 29
 Media Services Minor, 76
 Medical Services, 15
 Medical Technology Course Descriptions, 129
 Medical Technology Major, B.S., 76
 Middlesworth, Hal, Scholarship, 29
 Military Scholarship, 32
 Military Science Course Descriptions, 129
 Military Science Minor, 76
 Miller, Louise C., Scholarship, 29
 Miner, William D., Emergency Loan Fund, 31
 Minor Student, 21
 Minors, 58
 Miscellaneous Fees and Charges, 24
 Modesitt, Raymond L., Mathematics Scholarship, 29
 Motor Vehicle Regulations, 20
 Music Auditions, 129
 Music Course Descriptions, 129
 Music Credit Organizations, 130
 Music Major, B. in Music for Teacher Certification, 77
 Music Major, Performance Option, 77
 Music Major, Theory-Composition Option, 77
 Music Minor, 77, 78
 Music Organizations, 17, 130
 Music Recitals, 130

 National Direct Student Loan Fund, 32
 National Panhellenic Council, 19
 Native Student, 38
 Neely, Winnie Davis, Memorial Award, 29
 New Student Orientation, 38
 Non-Degree Programs, 91
 Non-Discrimination, University Policy on, Inside Front Cover
 Non-Enrollment Refund, 25
 Non-Graduates of High School, Admission of, 36
 Normal Load, 42
 Number of Courses, 94

 O'Brien, Estelle Ruth, Memorial Mathematics Scholarship, 29
 Occupational Education Course Descriptions, 133
 Official Receipts, 25
 Olsen, Hans C., Scholarship, 29
 Optional Catalog Requirements, 45
 Organization of the University, 12
 Orientation, New Students, 38
 Out-of-State Applicants, 35
 Overload, 42
 Overload Fees, 23

 Panhellenic Council, 19
 Parents Club Emergency Loan Fund, 31
 Parietal Rule, 13
 Parking Permits, 20
 Parking Violations, 20
 Part-time Student Fees, 23
 Payment Dates and Late Payment Fees, for Housing, 25
 P.E. Towel and Supply Fee, 24
 Penalties, Traffic, 20
 Penalties for Violation and Noncompliance, Bicycles, 20
 Penalty for Returned Checks, 24
 Philosophy Course Descriptions, 134
 Philosophy Major, B.A., 78
 Philosophy Minor, 78
 Phipps, Harris E., Chemistry Scholarship, 29
 Physical Education with Athletic Training, 79, 80
 Physical Education Clothing and Towel Rental Policy, 24
 Physical Education Department Clubs, 18
 Physical Education Major, B.S., 78

- Physical Education Major (K-12), B.S. for Teacher Certification, 79
- Physical Education Major (6-12), B.S. for Teacher Certification, 79
- Physical Education Minor, 80
- Physical Education Non-Credit Intercollegiate Course Descriptions, 135
- Physical Education Professional Course Descriptions, 135
- Physical Education Service Course Descriptions, 134
- Physical Science Building, 12
- Physical Science Course Descriptions, 137
- Physics Course Descriptions, 137
- Physics Department Clubs, 18
- Physics Major, B.S., 80
- Physics Major, B.S. for Teacher Certification, 80
- Physics Major with Management Option, B.S., 80
- Physics Minor, 80, 81
- Placement, 15, 47
- Placement, Alumni, 15
- Placement, Industrial and Business, 15
- Placement Office, 47
- Placement, Teacher, 15
- Policies, Admission, 35
- Political Science Course Descriptions, 139
- Political Science Department Clubs, 18
- Political Science Major, B.A., 81
- Political Science Major, B.A. for Teacher Certification, 81
- Political Science Minor, 81
- Post Baccalaureate Degree Students, 42
- Pre-Dentistry Program, 91
- Pre-Engineering, 91
- Pre-Health Professions Studies Club, 19
- Pre-Legal, 91
- Pre-Medicine Information, 82
- Pre-Nursing, 91
- Pre-Optometry, 91
- Pre-Pharmacy, 91
- Pre-Physical Therapy, 91
- Prescriptive Admission Program, 36
- President's Award, 29
- Pre-Veterinary Medicine Program, 92
- Probation, 41
- Procedures for Applying for Admission, 37
- Professional Writing Minor, 82
- Proficiency Examination, Credit by, 40
- Proficiency Examination Fee, 24
- Psychology Course Descriptions, 141
- Psychology Department Club, 19
- Psychology Major, B.A., 82
- Psychology Major, B.A. for Teacher Certification, 82
- Psychology Minor, 82
- Public Relations Minor, 82
- Publications, 17
- Purpose, 11
- Radio-Television, 17
- Reading Center, 14
- Readmission, 37
- Readmission, Former students dismissed for low scholarship, 37
- Readmission, Former students in good standing, 37
- Readmission, Former students who have graduated, 37
- Receipts, Official, 25
- Recitals, Music, 130
- Recreation Course Descriptions, 143
- Recreation Administration Major, 83
- Recreation Administration Minor, 83
- Reduction in Load Refund, 25
- Reed, Cyril D., Mathematics Scholarship, 29
- Refunds, 25
- Registration, Bicycles, 20
- Registration Procedures, 37
- Registration of Vehicles, 20
- Reinhardt, Emma, Award, 29
- Reinstatement Following Academic Dismissal, 42
- Religious Organizations, 19
- Repeating Courses, 43
- Requirements for Bachelor's Degree, 45
- Requirements for Graduation, 44
- Requirements for Majors and Minors for Undergraduate Degrees, 60
- Requirements for Two Bachelor's Degrees, 45
- Reserve Officer Training Corps, 92
- Residence Hall Fees, 24
- Residence Hall Government, 19
- Residence Halls, 13
- Residency, 21
- Responsibility of Students, Inside Front Cover, 44, 51
- Revocation of Admission to Teacher Education, 57
- Riley, Helen, Scholarship, 29
- Rogers, Mary Piper, Loan Fund, 31
- Room and Board Charges, 24
- Room and Board Refund, 25
- Rotary Loan Fund, 31
- ROTC Federal Scholarship, 27
- ROTC Illinois State Scholarship, 27
- Rothschild, Donald A., Award, 30
- Russell Loan Fund, 31
- Safety and Driver Education Minor, 83
- Samelman Emergency Loan Fund, 31
- Sargent, Paul Turner, Scholarship Award, 30
- Satisfactory Progress Requirements, 33
- Schahrer, Martin O., Scholarship, 30
- Schedule of Classes, Continuing Education, 50
- Scholarships, 26, 47, 50, 90
- Scholarships for Off-campus, 50
- School of Home Economics, Professional Programs, 54
- School of Home Economics, Teacher Preparation Programs, 54
- School of Technology, Professional Programs, 54
- School of Technology, Teacher Preparation Programs, 54
- School Service Personnel Department Clubs, 19
- Scruggs, Walter Merritt, Scholarship, 30
- Second Major, 46
- Secondary Education Course Descriptions, 144
- Secondary Education Program, Alternate, 55
- Security Building, 12
- Semester Fees, 21, 23
- Senior Seminar, 144
- Simmons, Mr. and Mrs. William Craig, Memorial Award, 30
- Social and Cultural Life and Activities, 16
- Social Fraternities, 19
- Social Science Course Descriptions, 144
- Social Science Major, B.A. for Teacher Certification, 83
- Social Science Minor, 83
- Social Studies General Education Requirements, 59
- Socio-Economically Disadvantaged Student Scholarship, 27
- Sociology Course Descriptions, 144
- Sociology-Anthropology Department Clubs, 19
- Sociology Major, B.A., 83
- Sociology Major, B.A. for Teacher Certification, 84
- Sociology Minor, 84
- Sororities, 19
- Spanish Course Descriptions, 115
- Spanish Major, B.A., 69
- Spanish Major, B.A. for Teacher Certification, 70
- Spanish Minor, 69, 70

- Special Awards, 27
 Special Education Course Descriptions, 146
 Special Education Department Clubs, 19
 Special Education Major, B.S. in Education, 84
 Special Education with Early Childhood-Handicapped Option, 84
 Special Education with Elementary Option, 84
 Special Education with Secondary Option, 85
 Special Examinations, 46
 Special Groups, 19
 Special Students, Admission of, 36
 Specialist Degrees, 90
 Specialist in Education Degree, 90
 Speech Communication Course Descriptions, 147
 Speech Communication Department Club, 19
 Speech Communication Major, B.A., 86
 Speech Communication Major, B.A. for Teacher Certification, 86
 Speech Communication Minor, 86
 Speech and Hearing Diagnosis and Correction, 16
 Speech Pathology and Audiology Course Descriptions, 149
 Speech Pathology and Audiology Department Club, 19
 Speech Pathology and Audiology Major, B.S., 87
 Speech Pathology and Audiology Major, B.S. toward Teacher Certification, 87
 Stapp, Kate Booker, Scholarship, 30
 State Rehabilitation Program, 27
 State Scholarships and Grants, 26
 Statistics, 155
 Stover, Ernest L., Scholarship, 30
 Student Conduct Code, 15
 Student Employment, 15
 Student Expenses and Financial Aid, 21
 Student-Faculty Boards, 16
 Student Government, 18
 Student Identification Card Fee, 24
 Student Insurance, 15
 Student Leadership Course Descriptions, 150
 Student Life, Activities and Services, 13
 Student Loan Fund, 31
 Student Organizations, 18
 Student Recreation, 18
 Student Services Building, 12
 Student Teaching, 57
 Student Teaching Course Descriptions, 150
 Student's Responsibility, Inside Front Cover, 44, 51
 Summary of Degrees Awarded, 156
 Summary of Enrollments, 155
 Summer Fees, 23
 Summer Guest Student Policy, 36
 Syndergaard, Rex, Scholarship, 30
 Talented Student Awards, 27
 Tarble Arts Center, 12, 17
 Taylor, Edson H., Award 30
 Teacher Certification, 47
 Teacher Education, Admission to, 56
 Teacher Education Programs, 54, 58
 Teacher Education, Revocation of Admission, 57
 Teacher Placement Services, 15
 Teaching Practicum (Student Teaching), 57
 Teaching Practicum, Application for Assignment, 57
 Technology Education Course Descriptions, 150
 Technology Club, 19
 Technology Education, Major B.S. for Teacher Certification, 87
 Technology Education Minor, 87
 Telephone and Security Building, 12
 Term Paper Clinics, 14
 Testing Services, 14, 15
 Textbook Rental Service, 16
 Textbook Rental Service Fines, 24
 Theatre, 17
 Theatre Arts Course Descriptions, 151
 Theatre Arts Major, B.A., 87
 Theatre Arts Major, B.A. for Teacher Certification, 87
 Theatre Arts Minor, 87
 Thut, H.F., Award, 30
 Towing, 20
 Traffic Penalties, 20
 Transcripts, 47
 Transcript Fee, 24
 Transfer Credit for General Education Requirements, 60
 Transfer Students, Admission, 36, 37
 Transfer Students, Teacher Education, 56
 Tuition and Fees, 23
 Tutoring, 15
 Two Degrees, 45
 Tym, William B., Scholarship, 30
 Undergraduate Degrees, 51
 Undergraduate Internship for Credit, 40
 University Awards, 27
 University Board, 16
 University Calendar, 5
 University Honors, 46
 University Housing Policies, 13
 University Traffic Regulations, 20
 University Union, Martin Luther King, Jr., 12, 17
 Vehicle Regulations, 20
 Veterans Benefits, 31
 Vocational Rehabilitation, 31
 Warner, Errett, Presidential Awards, 30
 Warner, Robert A., Scholarship, 30
 Weir, Benjamin — Waffle, Eugene, Journalism Award, 30
 Weller, Annie L., Award, 30
 Westcott, George S., Band Award, 30
 Widener, Ralph W., Jr., Scholarship, 30
 Widger, Howard DeForest, Award, 30
 Withdrawal from a Course, 44
 Withdrawal from the University, 44
 Withdrawal Refund, 25
 Withdrawal, Summer Session, 25
 Women's Studies Course Descriptions, 152
 Workshops, 50
 Writing Center, 15
 Writing Competency Examination, 45
 Writing Competency Examination Fee, 24
 Zoology Course Descriptions, 152
 Zoology Department Clubs, 19
 Zoology Major, B.S., 88
 Zoology Major, B.S. for Teacher Certification, 88
 Zoology Minor, 88

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IF YOU WISH INFORMATION . . .

For information on particular aspects of the University, please address your inquiry to the persons named below.

Admission of Graduate Students — Dean, Graduate School

Admission of Undergraduate Students — Director of Admissions

Admission of Transfer Students — Director of Admissions

Application for Graduation — Records Office

Continuing Education (Extension Service) — Director of Continuing Education

Housing — Dean, Student Housing

Military Scholarships — Director of Veterans Services

Placement — Director of Placement

Readmission of Former Students in Good Standing — Records Office

Reinstatement of Former Students Dismissed for Low Scholarship — Records Office

Scholarships — Director of Financial Aids

Student Employment — Director of Financial Aids

Student Insurance — Office of Financial Aids

Student Loans — Director of Financial Aids

Summer Sessions — Director of Summer School

Summer Study Abroad — Director of Continuing Education

Testing — Coordinator of Testing

Workshops — Director of Continuing Education

If you have a handicap that substantially limits your activities in some way, please write to: Counseling Center, Eastern Illinois University, Charleston, Illinois 61920. Any information you provide is on a voluntary basis, will be confidential and will be used only to make reasonable accommodations to any limitations you report.

