

1976

## Northeastern Illinois University, Undergraduate and Graduate Catalog, 1976-1977

Northeastern Illinois University

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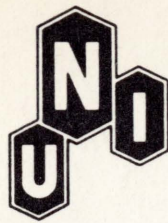
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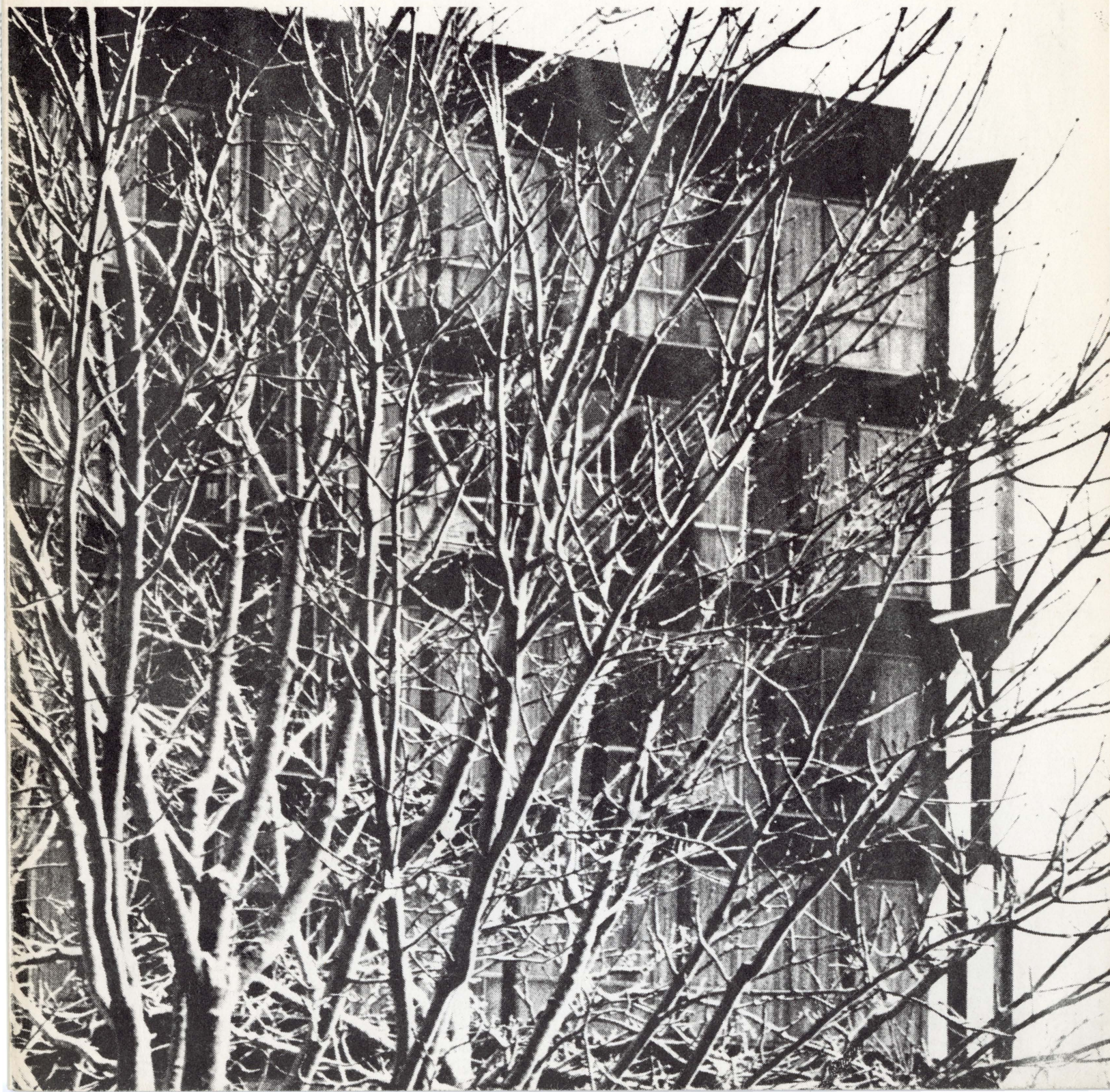




NORTHEASTERN  
ILLINOIS UNIVERSITY



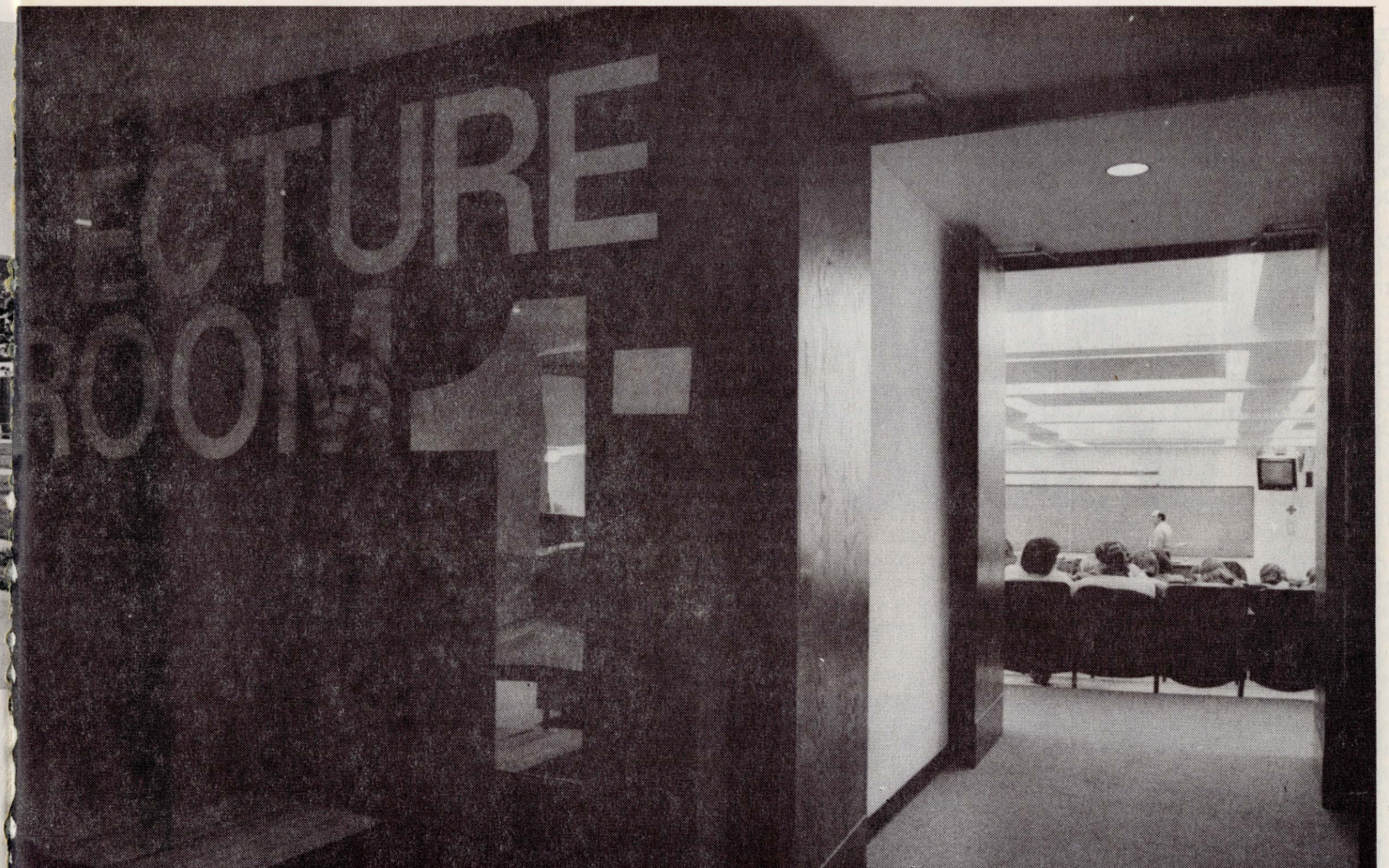
**Undergraduate  
and Graduate Catalog  
1976-77**





# UNDERGRADUATE AND GRADUATE CATALOG - 1976-77

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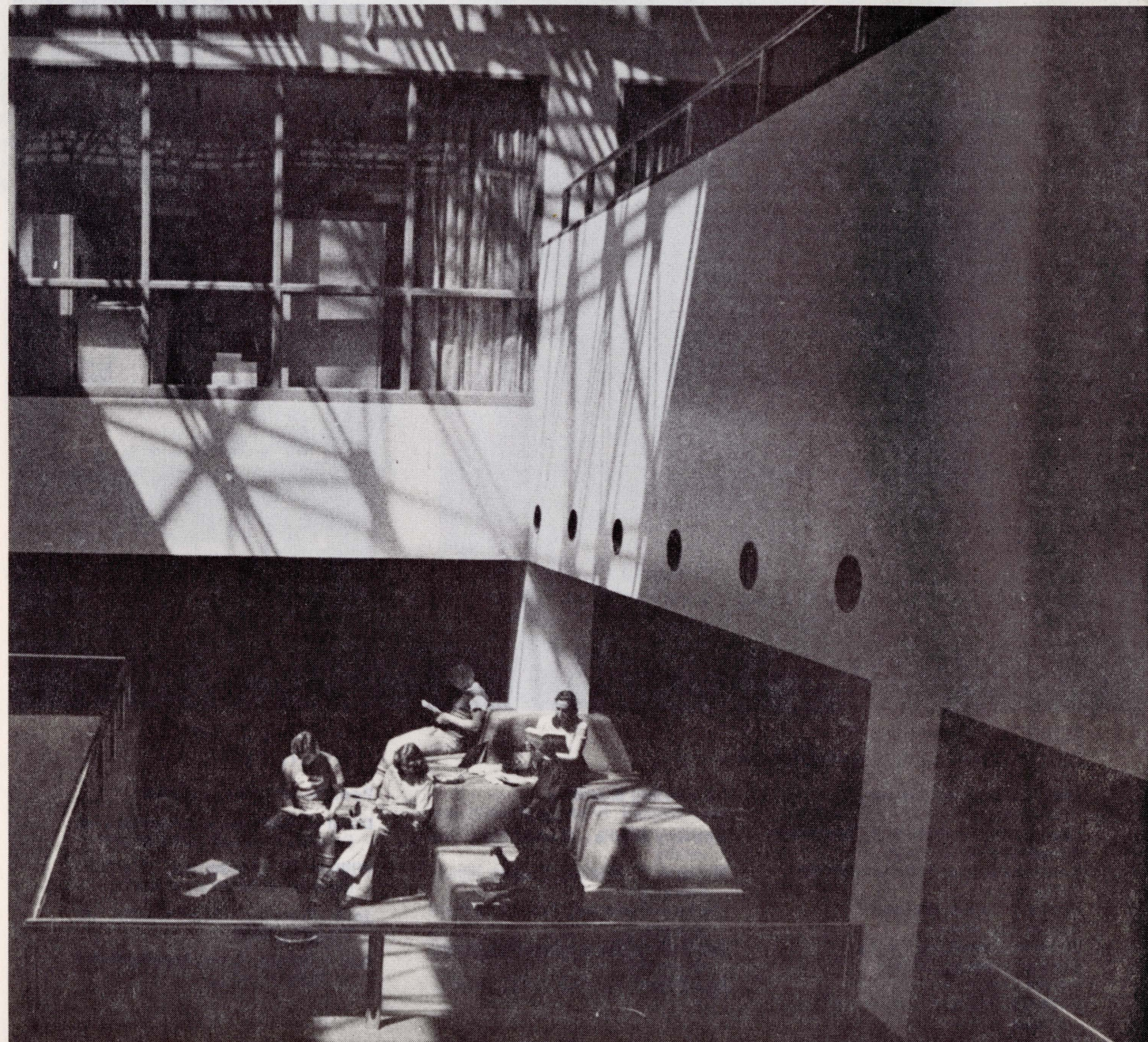
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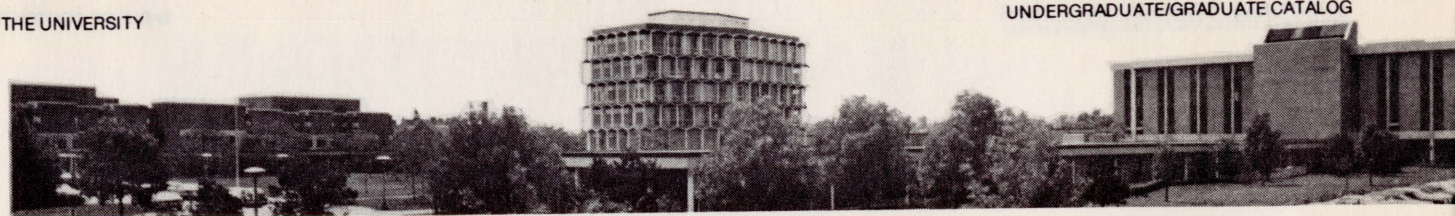
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## THE UNIVERSITY

Northeastern Illinois University is a fully accredited public, urban, commuter university with an enrollment of 10,000, serving Chicago and suburbs. The university offers traditional graduate and undergraduate programs in arts and sciences, professional education and business and management. Moreover it has a strong commitment to non-traditional education and has exercised leadership in the development of innovative programs for adult learners. Northeastern is one of five senior institutions governed by the Board of Governors of State Colleges and Universities.

### CALENDAR

The University year consists of three 16-week trimesters, fall, winter and spring-summer. The spring-summer trimester, extending from early May through mid-August, is divided into two eight-week terms.

### FACULTY

The faculty at Northeastern Illinois University have been selected to join the University because of their commitment to teaching and because their special abilities contribute to the student's professional education. The Northeastern faculty represent a wide array of academic background and professional accomplishment, and bring a broad range of expertise to their students.

Full time faculty number in excess of 355. Seventy-one percent have earned the Doctoral degree, twenty-five percent the Master's degree. More than 157 part-time faculty are also associated with the University.

### ACCREDITATION

The University is accredited by the North Central Association of Colleges and Secondary Schools, by the National Council for Accreditation of Teacher Education and by the Department of Public Instruction of the State of Illinois.

### STUDENT BODY

Ninety-five percent of the students come from Cook County. Their cultures differ, their interests range and their problems vary, yet their purpose is single — to acquire knowledge and skills to improve their lives and their contributions to the society and culture in which they live and to which they are responsible.

At Northeastern, they find imaginative new programs for entering freshmen as well as for students that have transferred or graduated from community colleges or other institutions.

Faculty and students draw on resources in both the immediate neighborhood and the greater metropolitan area to enrich their learning experiences. The university is itself a resource to these

communities, offering them such services as continuing education, referral services, social services, day care, and counseling. Its public service efforts are geared to more effective problem-solving in the present and in the future. Its sensitivity to changing educational and societal needs keeps the university in a continual search for better ways to accomplish its educational mission. Interactions of an outstanding faculty and a diverse student population create a challenging and stimulating learning environment.

### OFF CAMPUS EXPERIENCES

Northeastern Illinois University through off-campus activities, provides students with the opportunity to obtain field experience that relates to their studies. In addition to student teaching, a requirement in the teacher education program, education majors observe and tutor in the Chicago and suburban public school systems. Educational field center programs established in the Uptown and Westtown communities are designed to increase community access to higher education, develop local leadership and encourage cooperative efforts with educational and social agencies to identify and solve community problems.

### LEARNING SERVICES

Northeastern offers its students and faculty members unusual opportunities to learn and teach through the use of a wide variety of film, television, slide and sound programs, and other audio and visual materials. Such materials are purchased or rented from national distributors as well as being produced in the university's own campus studios and production centers. Although some departments have specialized media laboratories, the great majority of audio-visual materials, equipment, production studios, professional help, and a wide range of services for the entire university for both instructional and administrative activities is provided by Learning Services. The faculty members, professional civil service staff, and student employees of Learning Services work closely with instructors and their students and administrators in identifying and using communications equipment and materials effectively and efficiently.

The faculty members of Learning Services function primarily as instructional developers. They represent both strong academic backgrounds and varied professional experience. They are, therefore, particularly well qualified to advise other faculty and students about the use of media equipment and materials and, working with faculty and students, to develop and carry out instructional projects. Their expertise is particularly helpful to the persons who desire to know about and use communications media effectively but are unfamiliar with what can be achieved and how to achieve it.

### Major Areas of Service

Learning Services provides two major types of service to the university. The first is in the use and operation of communications and audio-visual equipment and systems in the classrooms, meeting rooms, and auditoria for instruction and other university functions. Audio-Visual Services is charged with this responsibility.



The second major type of service is provided by the Audio Recording Service, the Photography-Film-Graphics Production Service, and the Television Production Services. These services, managed and assisted by highly competent student employees, afford the university the opportunity to create and produce original programs and materials to meet its own particular needs.

The collections of film and video tape programs and other materials owned by the university combined with the availability of trained personnel and studio facilities to produce new programs and materials marks Northeastern as a university which places strong emphasis on new approaches in teaching and learning.

## LIBRARY

Northeastern's Library is located in the D Building at the center of the Campus.

### Services:

**Reference:** Help in using the library's collections and in locating information for study and research is available during all the hours the library is open at the reference desk at the entrance to the library. Professional librarians are also available to aid students and faculty from 9 a.m. to 4 p.m. at the periodicals reference desk in the north wing, at the curriculum materials service area on the mezzanine, and at the documents service area in the south wing of the library.

**Circulation:** Library users may charge out materials at the circulation desk at the exit on the main floor of the library. Circulation attendants will also reserve materials in circulation, search for materials not located on the shelf and handle matters regarding late or lost materials.

**Photoduplication:** The library provides a number of coin-operated photocopy machines for both printed and microform materials. In addition, users may request copying of microform materials at the reference desk.

**Interlibrary loan:** Requests for Interlibrary loans and access to other libraries should be made at the reference desk. Northeastern's library is a member of the Illinois Regional Library Council, the Center for Research Libraries, the Ohio College Library Center Bibliographic Network, the Illinois Library Network, the John Crerar Library, the Library of International Relations and the Chicago Academic Library Council. However, gaining access to the services available through these affiliations must be through the library's reference department.

## Display Cases

The library provides several large display areas which are available to students as well as faculty members. For copies of the library's display policy and to make arrangements for exhibits, those interested should see the Assistant University Librarian for Public Services.

## Collections:

**General:** The library holds approximately 275,000 volumes chosen to support the instructional program of the university. In addition, the library collections include approximately 355,000 other items including recordings, microforms, maps, documents, filmstrips, pamphlets, pictures, games and other materials. The library subscribes to more than 2,300 current periodicals and keeps bound and microform backfiles of most.

**Government Documents:** The UNI Library is a depository for both United States federal documents and Illinois state documents. The documents librarian is available to help users locate these materials and the documents of other foreign, state, municipal, and international agencies.

**Curriculum Materials Center:** The Center, located on the mezzanine, is designed to support professional education and children's literature courses. Its collections include children's literature, elementary and secondary school text books, curriculum guides, and a complete file of ERIC materials.

**Center for Inner City Studies:** The University provides a separate library to support the Inner City Studies program. The collection of more than 12,000 books, periodicals, microforms, and other materials is located in the Center at 4545 South Drexel.

## The New Library Building

The University Library is scheduled to move to a new 150,000

square foot building in the fall of 1977. The new building will more than triple the space available to house library collections and services. In addition to expansion of stack and service areas, the new building will provide group study rooms, lounges for smokers and non-smokers, facilities for the blind and physically handicapped, private studies for faculty and graduate students, a video distribution system, and more than 1600 reader stations.

## HISTORY OF THE UNIVERSITY

Northeastern Illinois University has been open 14 years but traces its origin from the beginnings of teacher training in Illinois more than 100 years ago — from Cook County Normal School, which was founded in 1867 in Englewood.

The name of the institution has been changed many times. In 1867 it was founded as Cook County Normal School. In 1896 it became Chicago Normal School, in 1910 it became Chicago Teachers College, in 1913 the name changed to Chicago Normal College and another name change back to Chicago Teachers College occurred in 1938.

In 1957 Chicago Teachers College reorganized in order to establish a larger and permanent northside campus. The new college became Chicago Teachers College North, and the original institution became Chicago Teachers College South.

Chicago Teachers College North opened its doors at 5500 N. St. Louis Avenue in 1961 to 1,348 students, offering bachelors and masters degrees in education; undergraduate study emphasized a strong foundation in the arts and sciences in training elementary school teachers. The heart of the new 30-acre campus was the library, surrounded by a six-story administration building and other buildings housing classrooms, laboratories, activities centers, gymnasium, swimming pool, and auditorium.

From its beginning, the northside educational institution emphasized new approaches to learning and gradually evolved from a teachers college to a full university. In July 1965, the Illinois General Assembly changed the names of the two campuses of Chicago Teachers College to Illinois Teachers College Chicago North and Illinois Teachers College Chicago South, then transferred their control to the Board of Governors of State Colleges and Universities, which had been established in 1964 to oversee the institutions originally under the old Teachers College Board.

Illinois Teachers College Chicago North took a hard look at changing urban conditions in 1965 and decided to explore new ways of solving problems in the city schools. It developed graduate courses to further prepare teachers for schools in disadvantaged, non-English speaking, and minority communities and in 1966 established the Center for Inner City Studies on Chicago's near southside. The university is currently renovating the building housing the Center, an architectural landmark designed by Frank Lloyd Wright. The college first offered classes at scattered locations in 1966 and initiated the Center for Extensions and Continuing Education. Now called the Office of Extensions and Continuing Education, it offers more than 200 courses at 45 locations throughout the metropolitan Chicago area.

In 1967 Illinois Teachers College Chicago North became Northeastern Illinois State College with a College of Arts and Sciences, College of Education, and Graduate College. New programs were developed, including preparation for secondary teachers and more options for students who did not intend to become teachers.

In 1970-71 the college established the concept of educational field centers. Currently operating are centers in Westtown, and Uptown communities. Field center programs were designed to increase access to higher education, develop local leadership, and encourage cooperative efforts to identify and solve community problems. The Center for Program Development was established in 1970 to coordinate new kinds of programs, piloted the "Kaskaskia Plan," a nontraditional degree program that offered individual students an opportunity to plan their studies outside traditional major programs.

Northeastern Illinois State College became Northeastern Illinois University in 1971. That year enrollment reached 7,281 students, and courses of study in the arts and sciences as well as

in education led to the degrees of Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, and Master of Education. Soon, new degree programs offered more choices for older students seeking higher education: the Board of Governors Bachelor of Arts Program in 1971, and the University Without Walls in 1973. Bi-lingual and bi-cultural education, business and management and human services are but a few of the programs recently introduced for students with special needs.

In August 1973, the university acquired the buildings and land of the Chicago Residential Schools, and since, has opened a four-story classroom building, a three-story science building, a physical plant building, a Commuter Center, additional parking lots and has started construction of a new multi-story Library building. Northeastern now enjoys a 67 acre campus in the middle of an attractive residential area eight miles northwest of downtown Chicago and 20 minutes from O'Hare International Airport.

The campus is convenient to expressways, main streets, and public transportation. Ample parking is available on campus.

The university is in a city whose personality arises from the influence of its many ethnic groups, its diversified commerce and industry, and its midwestern location. The neighborhoods surrounding the university reflect this personality and provide exceptional opportunities for cultural and recreational activities, community service, and field training.

Northeastern Illinois University is urban, not just in location, but in philosophy, character and program.

## ORGANIZATION OF THE UNIVERSITY

Northeastern Illinois University is one of five state universities under the general jurisdiction of the Board of Governors of State Colleges and Universities.

The president of the university is accountable to the Board of Governors for the successful functioning of the institution and has full power and responsibilities within the framework of the Board policies in the organization, management, direction and supervision of the university.

With the assistance of four vice-presidents (Academic Affairs, Administrative Affairs, Development and Public Affairs, and Student Affairs), the president administers the daily affairs of the university.

Under the new constitution, faculty and students participate in the governance of university affairs through the Faculty Senate, Student Government and by membership on a number of standing and ad hoc committees which consider, and recommend policies, and procedures to the President.

## ACADEMIC AFFAIRS

The Academic Affairs area is responsible for the academic programs of the university. This function is carried out through the College of Arts and Sciences, College of Education, Graduate College and the Center for Program Development. In addition, instructional support services required by the academic programs are carried out by other Departments—Library, Learning Services, and Health, Recreation and Athletics.

## ADMINISTRATIVE AFFAIRS

The Administrative Affairs area and its departments provide support and service to the academic program and the entire university community. Departments include: Budgets; Business Services; Institutional Studies; Personnel; Physical Plant.

## DEVELOPMENT AND PUBLIC AFFAIRS

The newly created vice-presidential area of Development and Public Affairs holds responsibility for coordination of departments engaged in fund-raising, communications, and alumni activities of the university.

## Northeastern Illinois University Alumni Association

The Northeastern Illinois University Alumni Association is young, but active. Graduates of the university are automatic members, and receive a quarterly publication. Members who contribute to the annual alumni giving campaign are issued membership cards which entitle them to library privileges. The

Alumni Association also sponsors many cultural, social and educational programs, including the very popular Mini U, through which non-credit courses are offered as a service to alumni, students, faculty, staff, and community. The organization, in its five year history, has worked hard to stimulate interest in membership, to introduce and re-introduce an increasing number of people to Northeastern, and to exert a positive influence on the quality of education in the university.

## Northeastern Illinois University Office of Alumni Affairs

The Office of Alumni Affairs acts as the liaison between alumni and the university. It is responsible for promoting and executing all programs of the Alumni Association. Its main goal is to provide service to those persons who have received a degree from Northeastern.

## Research and Development

The Research and Development Office is primarily concerned with securing outside funding for Northeastern Illinois University.

Due to lack of state monies, there are many programs and projects unable to subsist without some supplemental funding. The Research and Development Office houses extensive listings and materials on both government and private sources and makes this information available to the UNI community through individual and departmental contacts.

The Research and Development Office also works closely with UNI's Alumni Office since alumni contributions play a vital role in the growth of the university and the Foundation.

## Northeastern Illinois University Foundation

In an effort to expand and enrich the opportunities for the entire Northeastern community, the Northeastern Illinois University Foundation has been established. As a separate, non-profit corporation, the Foundation accepts and administers tax deductible gifts of money, property, works of art, historical and other materials for Northeastern Illinois University. Through its efforts the Foundation strives to provide funds for special programs and projects which cannot be fully supported through the state budget. The affairs of the Foundation are administered by a Board of Directors composed of community and business leaders.

## Office of University Relations

This office identifies the policies and procedures of the university with the public interest, interprets public attitudes, and plans a program of action to encourage public involvement, public understanding, and acceptance. The office acts as liaison between the internal and external community and keeps all publics informed about the university through publications, special events, news bureau, and the information center.

## THE STUDENT COMMONWEALTH

In an academic atmosphere the student at Northeastern Illinois University interacts within student services designed to fulfill his physical, social, and emotional needs. The student is thought of as a responsible participant in his own development and not as a passive recipient of doctrine or skill. As a responsible participant in the process of democracy, his full maturity is viewed as a major goal of education.

The realization of the objective — the full maturing of each student — cannot be attained without interest in and organized efforts toward the development of each facet of personality and potentiality.

## PROGRAM OF SERVICE

Northeastern Illinois University provides for a comprehensive program of services for the entire student population. Under the administration of the Office of the Vice-President for Student Affairs, these services cover a wide spectrum of functions including admissions and student records, guidance and counseling, women's services, health services, financial aid, co-curricular activities, student government, student publications, the Commuter Center, orientation programs, foreign student advising, special research projects, community service activities, and informal educational services including university-community open forums.



A wide diversity exists among the student body at Northeastern Illinois University. The age range is varied as well as ethnic background. Thus an environment is created which offers students an opportunity to experience a unique and valuable educational process. Students are encouraged to view their social activities and organizations within the university community in direct correlation with their coursework.

The task of the Office of Student Affairs is to coordinate and organize these various programs so that the university can most effectively and efficiently assist each student in reaching the objectives of his educational pursuits.

#### The University Counseling Center

The University Counseling Center provides vocational, academic, and personal counseling for the student community of Northeastern Illinois University. It is staffed by professional counselors and psychologists who offer a variety of services including individual and group counseling, vocational and psychological testing, and general academic advisement for physically handicapped and international students. Students can receive both short-term and long-term assistance with university-related and personal concerns. Referral service is made to a wide range of community organizations and agencies. A testing program is available to help students in selecting a major program of study and in making decisions in regard to a future vocation. Assistance is also provided students in designing appropriate course programs for each trimester and in understanding scholastic regulations.

#### Academic Advisement

Academic advisement provides the student with a variety of assistance. First, counselors are available to help the student select courses. This is particularly designed for the student who has not yet decided upon a major program of study. After a major is chosen, a faculty advisor in the subject area will advise the student regarding the course program he must follow.

Another area of academic advisement concerns helping students who have difficulties resulting from being placed on academic probation. Together, the counselor and student analyze the situation and set up a procedure by which the student may overcome the circumstances contributing to his probationary status and thereby succeed in returning his academic record to good standing.

#### Psychological Counseling

Psychological counseling facilitates the exploration or investigation of present and past influences affecting a current situation in an individual's life. No student is given directives of right or wrong methods of action.

Counseling psychologists provide supportive and/or therapeutic counseling for students wanting to understand the psychological forces affecting their lives. This service includes short-term exploration during a crisis or possibly a longer continuing exploration of un-resolved conflicts. Students' concerns often include interferences with studies, problems with parents, difficulties with siblings and mates, feelings of inadequacy, questions about personal and vocational identity, a lack of friends, no direction in life, and other related areas. Referral service is also available to community and private agencies.

#### Vocational Counseling

Vocational counselors are available to assist students in defining their vocational identity. While some students have made a career choice by the time they enter UNI, many change their goals. Students are encouraged to make inquiry regarding vocational counseling early in their university experience. The interview, inventory, and various tests are employed to help determine the student's interest patterns. An evaluation of the student's educational background, abilities, needs, temperament and attitudes is made. Students are assisted in clarifying the relationship of these personalized factors to career information in the Career Services office. Through vocational counseling students are enabled to establish short and long range goals.

#### Human Potential Seminars

Each trimester, members of the University Counseling Center staff conduct Human Potential Seminars. The Human Potential Seminar is a structured, positively-oriented group experience, designed to help participants achieve more effective and satisfying life styles.

It is structured in the sense that participants will engage in a series of specific group activities which focus on increasing participants' regard for themselves and for others. It is positively-oriented in that the activities will focus on individual strengths, talents, interests, and experiences of success, satisfaction and achievement.

Participants will find support and encouragement to capitalize on their strengths and develop them even further, as well as apply them in daily life. The Human Potential Seminar is a two-credit-hour elective course graded on a pass, no-credit basis.

#### International Students

A counselor from the University Counseling Center has been designated to work specifically with international students. Services provided involve extension and renewal of visas, status changes, liaison with Immigration and International groups in the Chicago area, as well as referral information for academic and language problems.

#### Disabled Students

Because circumstances often deny disabled students the right to a comprehensive education, a special counselor has been assigned to assist them. The counselor's role is one of an advocate as well as one who provides special information and assistance in appliance and accessibility needs.

#### Educational Assistance Programs

Project Success and Proyecto Pa'lante are comprised of students recruited from inner-city minority groups. These students selected have academic potential but lack the necessary skills to meet standard admission requirements. Counseling and tutorial guidance services are utilized toward motivating and developing these students.

#### Commuter Center

The Commuter Center provides facilities for campus organizational meetings and for the social and recreational needs of the university community at UNI, as well as providing the essential services, such as food, school supplies, lockers, typing room and study space, needed on an individual basis. In addition, the Commuter Center provides offices and work space for the Student Senate, the Commuter Center Activities Board, student publications, the radio station, and very limited work space for other campus clubs.

The Commuter Center addition was completed May, 1976. A unique feature of the building is its central pyramidal sky light which provides daylight to the interior space of all three levels of the building. The lower level contains dining facilities, a kitchen and a private dining room. The ground floor offers lounges, a pub and a multi-purpose room for dances, parties, etc. The offices of the director of the Commuter Center and his staff are on the second floor along with meeting rooms and more lounge facilities.

The focal point of Northeastern's student life begins at the Commuter Center. UNI has no residential facilities; its student body is composed mainly of urban commuters. The facilities of the Commuter Center and the programs of the Activities Board are, therefore, designed to enrich the educational experiences of the university community and, at the same time, provide comfortable surroundings for informal study and relaxation.

*Conveniently located on the main floor of the Commuter Center are:*

Alumni Hall (multi-purpose room)  
Book Nook (school supplies, etc.)  
Service Desk  
Ye Olde Sweet Shoppe  
Vending  
Public Telephones  
Box Office  
Coin-Operated Lockers  
Coin-Operated Copiers  
Bulletin Boards  
Megaform Seating

*On the Lower Level:*

Beehive (the university yearbook)  
Game Room  
Poster Room

Student Radio Station  
Print  
Typing Room  
General Publications Room

*On the Upper Level South are the offices of:*

Director, Commuter Center  
Assistant Director, Commuter Center  
Food Service Manager  
Room Reservationist  
Day Care Coordinator  
Master Calendar of Activities  
Quiet Lounge for Relaxing or Study

*On the Upper Level North are the offices of:*

Coordinator of Student Activities  
Activities Program Advisor  
Student Senate  
Activities Board  
Student Organization's Mail Boxes and Work Space

#### Commuter Center Facilities and Services in Other Buildings:

Day Care Center for Children (ages 3-5)

Residential School

Science Building

Food Vending

Lockers

Lounges

Classroom Building

Unicorn (space for a variety of programs)

Vending and Dining Room

Lockers

Public telephones and vending machines are in or near these areas

#### Commuter Center Off-Campus Centers:

Services are currently being developed at off-campus centers

#### Health Service

Health Service provides for the health needs of the university community. A registered nurse is on duty: Monday thru Friday from 8:00 a.m. to 4:00 p.m.

First aid treatment is available for minor injuries and illness to all UNI students, faculty and staff without charge.

When the services of a physician are required or hospital care is necessary, the student will be referred to his private doctor, the emergency room of the hospital of his choice, or the emergency room of Swedish Covenant Hospital. The university does not assume any financial responsibility for the treatment given beyond first aid in Health Service.

Accidents occurring on campus should be reported promptly to the Health Service office so that a report can be filed.

The Medical Report required for every incoming student is reviewed and kept on file for use in giving first aid care in Health Service and modification of physical education courses when indicated.

The expense incurred for a pre-admission physical examination is the student's responsibility.

Additional functions of the office of Health Service include:

Student Health Insurance  
Health Counseling  
Health Literature and Materials  
Health Exhibits and Displays  
Physical Examinations for Athletes  
Statistics on Accidents and Illnesses Incidence  
Environmental Health and Safety Reports — OSHA  
Blood Drives  
Assistance to Disabled  
Referral Service to Doctors, Clinics, Health Agencies  
Blood Tests for Marriage License  
Medical Tests including vision, urine, TB skin, throat cultures, V.D. blood tests, hearing, pregnancy, rubella, mono, sugar, etc.  
Disabled Persons Parking Permits

#### Career Services Office

The Career Services Office serves enrolled students as well as graduates. The broad variety of services available is directed toward two basic student objectives: career planning and development and career employment upon completion of a degree.

All students are urged to utilize career materials resources, to participate in career information events, mini-career days and career seminars throughout their enrollment at UNI. In addition, they can benefit by utilizing services available at the adjacent University Counseling Center which assists students with vocational testing and counseling. With the additional insights gained through the Center's services, any student can begin defining his or her career goals early in the university experience.

Career Counseling is directed toward goals of career development and career planning. Students at all levels have the opportunity of making continuous use of occupational data so that they may arrive at informed career choices based upon their interests, competencies and opportunities presented by the labor market.

Candidates in teacher education programs must assume responsibility for registering at the time of student teaching. They also assume responsibility for updating records, keeping them accurate and current so that maximum benefit is achieved when seeking positions. The office provides vacancy listings and information about classroom teaching with emphasis on the elementary and secondary schools.

Students in teacher education programs develop credentials which will include information concerning teacher and/or work experiences, personal data, letters of recommendation, professional training, special aptitudes and honors. Candidates may review their records in accordance with all Federal legislation. Copies of credentials may then be sent by the office to employing officials on the request of the candidate or the prospective employer.

The office provides job registers for non-teaching and teaching positions in both the public and private sectors. It arranges on-campus interviews with employers for graduates of all curricula. Files of company literature along with salary information, a variety of business and educational directories as well as assistance with resume and interview preparation are available. While all resources of the office are devoted to the goal of assisting students in the job search, no graduate can be guaranteed employment.

#### Student Life and Activities

University life should be exciting. At Northeastern Illinois University the educational process within the curriculum is furthered by involvement of the student in the totality of university community life. Beyond the classroom walls are many resources which the university can offer. Among these resources are many opportunities for accepting responsibility, for rendering service, and providing leadership. Perhaps the most significant opportunity is the freedom inherent in the academic community. Students have freedom to do as much as their abilities will permit.

At Northeastern, effort is put forth toward the development of more and more faculty-student interaction; the students themselves are involved in setting up purposes and programs on campus. Regulations and plans for many phases of campus life are studied by joint faculty-student councils. Participation with the faculty provides an opportunity for rich and meaningful interaction and involvement.

The Student Activities faculty and staff use their abilities and resources to contribute to the growth of each student as an individual and as a member of society. While giving students freedom, the Student Activities personnel provide leadership, hoping to maintain open communication with students.

#### ACTIVITIES

A program of clubs and organizations, under supervision of the Office of Student Affairs, is supported and encouraged at Northeastern to insure the well-rounded education of all students. These organizations are both professionally and service oriented. Student activities are to a great extent initiated by the student body at Northeastern Illinois University.

Students desiring to form new organizations to meet special in-



## THE UNIVERSITY

terests and needs should apply to the Office of Student Activities. Projects, activities, or social events should be scheduled with this office.

## GYMNASIUM

The gymnasium, at the southwest corner of the campus contains a swimming pool, a hardwood court for instruction of games and dances as well as an area designated for the storage of supplies and equipment for gymnastics and sports. In the "A" wing, room A-113, there is a dance studio. Adjacent outdoor areas are for tennis, softball, golf practice and other activities.

Also, there is a gym annex just south of the main gym which is used for recreation, instruction and meetings.

## RECREATION AND ATHLETICS

In 1965, Northeastern Illinois University initiated its intercollegiate program in athletics. Varsity team sports for men include cross-country running, basketball, golf, tennis, baseball and swimming. Women compete on an intercollegiate basis in softball, volleyball, gymnastics and basketball. Northeastern participates as a member of the National Association of Intercollegiate Athletics (N.A.I.A.), the Varsity Baseball Team is a member of the "Chicagoland Intercollegiate Baseball Conference," the Varsity Golf Team is a member of the "Chicagoland Collegiate Golf Conference," and the Basketball Team is a member of the "Chicagoland Collegiate Basketball Conference."

All students are admitted to athletic events upon the presentation of a current UNI identification card.

All students, faculty and staff of Northeastern are eligible to participate in the University Physical Health Club. This organization provides recreational activities in the gym, the pool, and the outdoor play areas. Seasonal events are planned every trimester, to include skiing, ice-skating, picnics, faculty and student competition, dances, and "Fun-Nites."

Also, special interest groups and intramural programs may be selected as co-curricular activities.

## Educational Assistance Program

*Project Success* is comprised of members of inner-city minority groups. Those students selected have academic potential but lack the necessary skills to meet standard admission requirements. Counseling and tutorial guidance services are utilized toward motivating and developing the capacity of these students. Confidence building and development of adequate study habits is also provided on an individual or small group basis. *Project Success* is a program which offers motivation plus capacity plus opportunity to equal success.

## Proyecto Pa'lante

*Proyecto Pa'lante* is a university talent search program, whose primary function is recruiting students of Spanish-American ancestry who have demonstrated academic potential, but do not meet the standard admission requirements.

Pa'lante's students are usually bilingual and come from Puerto Rican, Mexican-American, Cuban and other Hispanic backgrounds. *Proyecto Pa'lante* has received the support of both the university administration and the Spanish-American students.

## Program For New Students

New students are introduced to Northeastern's campus and to various aspects of university life during a series of visits and meetings. Students meet the faculty, administrators and student leaders; complete course registration with the help of counselors; and become acquainted with the activities and student services which are an integral part of the university community at these sessions.

## Office of Community Services

Northeastern Illinois University is an integral part of the urban scene with particular concern and commitment for the use of university resources in working with urban problems.

Facilitating exchange of information and cooperative programs between university and community is one of the prime purposes of the Office of Community Services. Among the many activities of the Office of Community Services, particular emphasis is placed on the role in making known and available to the Chicago

## UNDERGRADUATE/GRADUATE CATALOG

urban community educational resources of the university; locating and assessing educational and cultural needs within special communities; and providing a liaison resource for mutually enriching cooperative educational and cultural ventures between faculty, staff and students of the university as well as special groups and agencies within the urban community.

The Office of Community Services has been involved in programs which included:

1. Resource and advisory services to faculty and students concerning special needs in certain communities.
2. Student field placement for academic credit or voluntary service in various areas throughout the city.
3. Sponsorship of forums and workshops on educational issues of interest to the university community, teachers in public schools and the general public.
4. Consulting, planning, referring and training services to community agencies interested in broader educational programs.
5. A center for exchange of information regarding special needs and requests of inner-city areas and the development and involvement of staff and students in off-campus educational programs. For example, awareness of the educational needs of the non-English speaking adults of the Humboldt Park area and the desire of students of Spanish derivation to help people in their community resulted in establishing a neighborhood learning center, El Centro.
6. Establishment of an on-going contact with social agencies and resource persons in the Black community of Chicago, resulting in the publication of a viable directory. This will then serve as a guide for UNI students who come to Community Services with the desire to work in the community.

7. Organization of a student exchange program with foreign colleges and universities through various departments at UNI. In conjunction with the foreign language department, we are presently coordinating a student exchange with the University of Puerto Rico. This plan allows participants from this university and the University of Puerto Rico to respectively spend an academic year abroad.

The Office of Community Service has also initiated a program of study abroad at the Institute of Puerto Rican Culture in Puerto Rico. An additional program of study abroad is being initiated through Consortium with the University of Port-au-Prince in Haiti.

8. Involvement in the Council of International Programs in which a private agency, sponsored cooperatively with the United States Department of State, offers a professional and cultural exchange program for professional social workers from abroad in the United States.

## Uptown Peoples Field Center

In the large multi-ethnic port of entry of Uptown-Lakeview, the university supports the Uptown Peoples Field Center. It was developed around the belief that an inner city community organization and an institution of higher education can work together to develop a community service program as well as an academic program designed to relate to the needs of the community. While there is emphasis on the academic program for undergraduates, such services as G.E.D., tutoring (Spanish and English), Legal Aid Services and Play Kare are provided for the community.

Effective July 1, 1976, the Uptown Peoples Field Center reports to the Vice President for Student Affairs.

## ADMISSIONS

## GENERAL INFORMATION

The general requirements for admission to Northeastern Illinois University are graduation from an accredited high school (one which is recognized by a State Department of Education) with class rank and American College Test scores meeting the minimum standards of the university.

Many factors are considered in evaluating an applicant's preparation and readiness for college. Included are the high school program of studies, rank in class, standardized test scores, recommendations of high school personnel, previous college work, and personal qualities.

Each student must make his own application for admission. The necessary forms may be obtained by contacting the Office of Admissions. A non-refundable application fee of \$15.00 — check or money order, **not** cash — must accompany the application for admission.

## Recommended Course of Study

No special pattern of high school courses is currently required for admission. It is highly recommended, however, that the applicant present a strong academic program.

## Credit Through Advanced Placement Program

Credit or advanced placement may be granted to students who have participated in the College Entrance Examination Board "Advanced Placement Program" in their high schools. Students who intend to enter the university under this program should arrange to have their Advanced Placement examination records sent to the Director of Admissions.

## Credit Through College Level Examination Program

Credit or placement for successful performance on the General Examinations may be granted to students who have written the tests in the College Level Examination Program. Students who intend to enter the university with advanced standing through this program should arrange to have their examination records sent to the Director of Admissions.

## Credit for Military Service

Three semester credit hours are awarded to veterans who have been honorably discharged and have served a minimum of one year on active duty.

Credit is also allowed for those U.S. Armed Forces Institute (USAFI) courses for which the American Council on Education recommends credit at the baccalaureate level, provided the student has passed the appropriate USAFI end-of-course test or examination.

Credit for service schools successfully completed may be evaluated upon completion of the Request for Evaluation form available in the Office of Evaluations.

No credit is allowed for the college-level General Education Development Tests.

A maximum of 30 semester credit hours are awarded for the CLEP general exams. No credit is awarded for CLEP subject exams.

## Transcripts

All transcripts and other documents submitted in support of a student's application for admission become the property of the university. The Admissions Office will retain such documents for a period of one year from the time of initial application. At the close of this period, all such papers will be destroyed for those applicants who for whatever reason do not enroll at Northeastern.

ELIGIBILITY FOR ADMISSION\*  
Students With No College Work

1. Students who graduate in the upper half of the high school graduating class from an accredited high school, or who have passed the General Educational Development Test are eligible to apply for admission.

2. Students in the lower half (Illinois residents only) may be considered on presentation of evidence of ability to do satisfactory college work.

## Students With College Work

1. In order to be considered for admission, students who have attended other colleges must have an over-all "C" average from all colleges attended, and must be in good standing at the last college attended as a full time student. Priority for consideration for admission will be given to transfer students who have earned the A.A. degree.

2. If the applicant has earned fewer than 30 semester hours of credit, the above applies; but he also must have graduated in the upper half of his high school class. Transfer students with less than 30 semester hours of credit will be classified as freshmen.

3. In general, Northeastern Illinois University will accept, on an hour-for-hour basis, credit shown on official transcripts from other accredited institutions:

(a) Students with credit from junior colleges only must earn at least 60 additional hours at Northeastern after attaining junior standing.

1) **Junior College Followed by Senior College.** All applicable courses from the junior college will be reflected on the Evaluation of Credits form. However, a maximum of 60 junior college credit hours is acceptable toward the degree. In all cases, a student must earn his last 30 hours at Northeastern.

\*The university is in the process of reviewing its policy concerning admissions; students are advised to check with their high school counselors or with the university for up-to-date information about admissions requirements.



2) **Senior College Followed by Junior College.** Students must complete a minimum of 30 semester hours at Northeastern Illinois University. All applicable courses and hours from senior institutions are acceptable toward graduation. All courses taken at junior college are reflected on the Evaluation of Credits form. However, junior college hours taken after 60 credit hours have been earned (whether the first 60 credit hours are from a junior college or a senior college), will not be counted toward hours required for graduation.

3) Grades of "D" are accepted on transfer to meet course requirements in the basic program. Courses transferred toward credit in your major with a "D" grade are accepted only with the approval of the major department. Professional courses presented to the College of Education, in which a "D" grade was earned, are also subject to departmental acceptance.

4) Effective January, 1973, the College of Education initiated a policy of admission to the College of Education, which is applicable to all students who wish to pursue a teacher education program. Any such student must make application to the College of Education when he has earned between 45 and 60 semester hours. Please contact the Office of the Dean of the College of Education for an application and additional information.

(b) Students with credit from senior institutions must earn at least 30 credit hours of upper-division level courses — normally the last 30 credits — at Northeastern in order to graduate from this institution.

4. Students who were graduated from high school five or more years prior to application for admission to Northeastern Illinois University need not present ACT scores in order to be considered.

5. Course credit earned 15 or more years ago is subject to acceptance only on recommendation of the Deans of the Colleges.

**Veterans**  
Persons returning from at least a year's active military service will be admitted or reinstated regardless of previous scholastic record, provided Northeastern Illinois University is the first institution of higher education attended following release from service.

**Students From Foreign Countries**  
Students from countries other than the United States must meet the following requirements:

1. File application for admission.
2. Submit official copies of all educational records. Transcripts in a language other than English must be accompanied by certified translations.
3. Submit the required financial statement which furnishes evidence that adequate provisions have been made to meet all financial needs for the entire period of stay in the United States while pursuing a full-time course of study applicable to the degree program. The university will assume no responsibility for a student who arrives with inadequate financial resources.

4. Have a satisfactory score on Test of English as a Foreign Language (TOEFL).

An I-20 will not be issued until an international student has submitted all registration credentials and his application has been approved. It is recommended that international students submit their applications well in advance of their desired time of entrance.

**CLASSIFICATIONS FOR ADMISSIONS**  
The University has five classifications for new students:

1. **Beginning Freshmen Students.** A high school graduate who has not registered at an institution of higher learning.
2. **Transfer Students.** A person who has at some time registered at an institution of higher learning subsequent to high school graduation whether or not he completed any work.

**3. Students-At-Large.**

(a) Graduate students who have an earned degree from an accredited college or university may register for any courses for which they meet the prerequisites. No more than nine semester hours taken in an unclassified status may be applied toward a master's degree at Northeastern Illinois University.

(b) Undergraduate students in good standing who are working toward their baccalaureate degree at another accredited senior college may take courses. A letter from a dean or registrar of his college which grants him permission to register for courses at Northeastern Illinois University must accompany the application. The title of courses should be clearly indicated to protect the student at his home school. Permits to register are issued to undergraduate students-at-large for the summer term only.

4. **Graduate Students.** A person who has completed at least a four-year baccalaureate degree and wishes to do advanced study in the Graduate College at Northeastern should contact the Graduate Office.

5. **Second Baccalaureate Degree Students.** A student who has received one baccalaureate degree from this institution or from another accredited college or university may earn a second bachelor's degree at Northeastern Illinois University provided that all specified requirements for the second degree are met and provided, also, that the program of studies completed for the second degree includes at least thirty semester hours in residence not counted for the first degree.

**APPLICATION PROCEDURES**  
**Students With No College Work**  
High school graduates or those about to graduate must submit the following:

1. The official application form.
2. A \$15.00 non-refundable application fee.
3. Transcripts from the high school from which the applicant was graduated. If a sixth semester transcript is submitted, a subsequent final transcript must also be submitted after the applicant has graduated.

4. Scores on the American College Test.

**Students With College Work**  
Students who wish to transfer to Northeastern Illinois University must submit the following:

1. The official application form.
2. A \$15.00 non-refundable application fee.
3. Transcripts from each college or university attended. Transcripts indicating courses and hours of credit must be requested by applicants who are currently enrolled at another college or university. Supplementary final transcripts must be requested at the close of the term of current enrollment. Transcripts will not be accepted from the student.

**Students-At-Large**  
1. A student-at-large registering for the first time must obtain a Permit to Register issued by the Office of Admissions.

2. Permits may be obtained by completing the application form and verifying the degree held. Permits can be obtained well in advance of registration for any given term and are issued at the campus registration.

3. Undergraduates from other colleges or universities should also secure permits well in advance of registration for the Summer term. A letter of good standing from the college granting him permission to register for courses at Northeastern Illinois University must be presented at the time the permit is requested. Permits for undergraduate students-at-large without an earned degree are valid only for the trimester of issue.

4. Undergraduate students-at-large without a degree, registering at Northeastern Illinois University for the first time, must pay, at the time of registration, a \$15.00 application fee. This fee is not refundable.

**READMISSION**

**Students Withdrawn in Good Academic Standing**

1. Undergraduate students who recess for a minimum of two consecutive trimesters are required to apply for readmission. Forms for this purpose are available on written request to the Admissions Office.

2. If the student has attended another college, he must have an official transcript forwarded to the Admissions Office.

**Students Withdrawn Not in Good Academic Standing**

1. A student who has been dropped for poor scholarship and who desires to be readmitted to the university, must petition, in writing, the Sub-Committee on Academic Standards requesting consideration for readmission.

2. Petitions must be on file two months prior to the opening of the desired trimester of readmission.

3. If the student has attended another college, he must have an official transcript forwarded to the University Counseling Center.

**Schedule for Submitting Applications**

Prospective students who are still in high school may apply for admission at any time during their senior year. Sixth semester transcripts will be considered as a basis for admission if rank in class is indicated and ACT scores are on file.

Transfer students or high school graduates without college work may apply for admission for any trimester. Decisions are made only when all documents have been received and evaluated.

Applications for all applicants may be submitted to the Office of Admissions after September 1 and until such time as enrollment limits have been reached, except that in no case may such credentials be submitted later than dates indicated in the following schedule.

FALL TRIMESTER		
Freshmen	Transfers	
Sept. 1	Jan. 1	
to	to	
June 15	June 15	
WINTER TRIMESTER		
Freshmen	Transfers	
Sept. 1	Sept. 1	
to	to	
Nov. 15	Nov. 15	
SPRING TRIMESTER		
Freshmen	Transfers	
Jan. 1	Jan. 1	
to	to	
Mar. 15	Mar. 15	
SUMMER 8 WEEKS (JULY-AUGUST)		
Freshmen	Transfers	
Jan. 1	Jan. 1	
to	to	
May 15	May 15	
All deadlines are subject to change without notice.		

**Rolling Admissions Program**

UNI processes applications on a Rolling Admissions Program. Applications which are on file well in advance of the term for which admission is sought, along with all required credentials, benefit by receiving earlier notification of admissibility under the Rolling Admissions Program.

**Policies Concerning Students Placed on Probation**

1). Students who are placed on academic probation at the end of the winter trimester will be informed of their probationary status prior to the beginning of May classes, and sent the following information.

a. Students who are placed on academic probation at the end of the winter trimester will be allowed to register for courses in the May-June, July-August, or May-August sessions, or they may withhold registration until the fall trimester.

b. Determination of the academic status of all students on academic probation who have taken courses in the May-June, or July-August terms, or the May-August trimester, will be made

in August. No student will be dropped for poor scholarship in June.

2). Students who are placed on academic probation at the end of the May-June term will be notified that their records will be reviewed at the end of their next term in residence.

a. Thus, if a student placed on academic probation at the end of the May-June term registers for course(s) in the July-August term, he/she will have to return his/her record to good standing at the end of August.

b. Students who are placed on probation at the end of the May-June term who register for the fall trimester (but not July-August) will have to return their records to good standing at the conclusion of that term.

**Policy Concerning University Without Walls (UWW)**

**Students**  
University Without Walls students shall be exempt from going on academic probation or being dropped for poor scholarship during the first twelve semester hours of formal coursework taken at UNI. If a UWW student takes more than twelve hours of formal credit, the normal university academic regulations will apply. The above policy has no bearing on transfer credits nor on any formal coursework not completed at UNI.

**STATEMENT OF FEES**

ALL TUITION AND FEES ARE SUBJECT TO CHANGE WITHOUT NOTICE. There will be a \$3.00 service charge for checks returned for any reason.

SIXTEEN WEEK TRIMESTER	Illinois Residents	Non-Residents
<b>TUITION</b> (a) 7 hours or more	\$210.00	\$633.00
<b>student fees:</b>		
Commuter Center	15.00	15.00
Transportation Fee	1.00	1.00
Activity Fee	18.00	18.00
Student Financial Assistance Fund*	2.00	2.00
<b>TUITION</b> (b) Part time—per hour	32.00	95.00
<b>student fees:</b>		
Commuter Center	7.50	7.50
Transportation Fee	1.00	1.00
Activity Fee (Undergraduate only)	5.00	5.00
Student Financial Assistance Fund*	1.00	1.00
<b>extension only</b>		
<b>TUITION</b> (a) 7 hours or more	210.00	210.00
(b) Part time—per hour	32.00	32.00
<b>FEES</b> —per class registration	4.00	4.00
Transportation Fee	1.00	1.00
Student Financial Assistance Fund:*	full time 2.00 part time 1.00	2.00 1.00
EIGHT WEEK TERM	Illinois Residents	Non-Residents
<b>TUITION</b> (a) More than 3 hours	\$105.00	\$316.50
<b>student fees:</b>		
Commuter Center	7.50	7.50
Transportation Fee	.50	.50
Activity Fee	9.00	9.00
Student Financial Assistance Fund*	1.00	1.00
<b>TUITION</b> (b) Part time—per hour	32.00	95.00
<b>student fees:</b>		
Commuter Center	3.75	3.75
Transportation Fee	.50	.50
Activity Fee (Undergraduate only)	2.50	2.50
Student Financial Assistance Fund*	1.00	1.00
<b>extension only</b>		
<b>TUITION</b> (a) More than 3 hours	105.00	105.00
(b) Part time—per hour	32.00	32.00
<b>FEES</b> —per class registration	4.00	4.00
Transportation Fee	.50	.50
Student Financial Assistance Fund:*	full time 1.00 part time 1.00	1.00 1.00

\*This fee is not refundable. A student may request deletion of this fee at the time of payment.



**HEALTH INSURANCE** — Optional health insurance may be obtained from the Director of Health Services.

A student who registers for both on-campus courses and extension courses will be assessed all appropriate on-campus fees as well as extensions fees.

A non-resident student who combines extension with on-campus courses will pay the on-campus tuition rate plus all appropriate fees.

**Fees Applicable to All Students**

APPLICATION FEE .....\$15.00

Required of all undergraduate on-campus students registering at Northeastern Illinois University for the first time. All applications with fees should be sent to the Bursar's Office. This fee is not refundable and not applicable toward other fees.

GRADUATE EVALUATION FEE.....\$15.00

Required of all graduate students making formal application to the Graduate College. Not refundable. Not applicable toward other fees.

LATE PAYMENT FEE.....\$10.00

LATE EXAMINATION FEE.....1.00

GRADUATION FEE, includes cap and gown rental

Undergraduates.....12.50

Graduates (includes hood rental) .....15.00

THESIS FEE (3 copies required) .....15.00

TRANSCRIPT FEE (after first copy).....2.00

ID CARD REPLACEMENT FEE.....5.00

FINANCIAL AID

Northeastern Illinois University will make every effort to extend financial assistance to qualified students who are in need of funds to complete their education.

Assistance available from Federal, State, local and university sources (separately or in combination) have traditionally met the needs of hundreds of students applying each year, and we anticipate the continuation of such sources for the coming academic year.

The following items represent typical basic educational expenses for Northeastern students for one trimester (16 weeks):

Tuition (resident) .....\$210.00  
Other Registration Fees .....35.00  
Books and Supplies .....(est.) 80.00  
Lunches.....125.00  
Transportation (CTA).....125.00  
Total \$575.00

Health Insurance — Optional  
Single Plan .....\$18.40  
Family Plans.....46.00 and 73.60

Beyond the above individual expenses, food at home, housing, recreation, and clothing must also be considered.

CHANGE OF REGISTRATION FEE (eff. 1/1/77).....5.00  
TRANSPORTATION FEE.....1.00

Special fees, where applicable, are shown in the schedule of classes.

**Refunds**

Final dates for refunds upon complete withdrawal from the university will be stated in the schedule of classes. In the regular 16 week trimester, the final date for full refund, less service charge, will be the tenth calendar date after classes begin. The final date for partial refund, less service charge, will be the twentieth calendar day after classes begin. In the 8 week term the final date for complete refund, less service charge, is the fifth calendar date after classes begin. The final date for partial refund, less service charge, is the tenth calendar date after classes begin.

**Out-of-State-Tuition**

Students who do not meet the resident requirements of the State of Illinois will be assessed the official out-of-state tuition.

Students who are new residents of the State of Illinois who wish consideration for in-state fees should petition in writing to the Director of Admissions and Records. This statement of intent should be submitted prior to registration.

**Late Payment Fee**

A late payment fee of \$10.00 will be assessed for payments received after the due date for a certain prescribed period of time as listed in class schedules. This fee is non-refundable. The establishment of this fee does not guarantee students the right to pay late.

The Financial Aid Office offers assistance in meeting the above expenses through Loans, Grants, Scholarships and Student Employment Programs. Following are brief descriptions of aid sources most commonly available to Northeastern students. NOTE: Items with asteriks require submission of financial statements by applicants. See "How to Apply," following.

**LOANS**

**\*National Direct Student Loan.** (Federal). Maximum: \$2,500 aggregate first two years, \$5,000 as undergraduate—must show need—long term repayment—3% interest—cancellation of debt privilege under certain specific conditions (general cancellation provision for teachers no longer applies to loans awarded after July 1, 1972)—half-time students eligible. Normally available to both undergraduate and graduate students.

\*See "How to Apply."

**Illinois Guaranteed Loan.** (State). Maximum per Academic Year: Freshmen, \$1,000; Sophomores, \$1,500; Juniors, Seniors, and Graduate students, \$2,500 (Preceding maximums reduced by one-half if student enrolls half-time.)—Long term repayment —7% interest due annually unless applicant demonstrates need (then Federal government pays interest)—no cancellation privilege for teachers—Applicants must be full-time.

**Northeastern Emergency Loan Fund.** (UNI). Maximum \$100 —short term repayment—no interest—student must have emergency need.

**GRANTS**

**Basic Educational Opportunity Grant.** (Federal). Program represents largest scale effort of Federal government to assist students. Open to college freshmen through seniors beginning 1976-77 academic year. Average grant for UNI students in 1975-76 was \$800—total of 900 recipients. Applicants must show need—be enrolled at least half-time—no measure of previous academic performance required—no repayment necessary. Applications available in high school counseling offices, UNI Financial Aid Office, libraries, post offices, etc. NOTE: Students seeking assistance from other programs described in this section of the catalog are **required** to apply for the Basic Educational Opportunity Grant as well.

**\*Supplemental Educational Opportunity Grant.** (Federal). Program is considered a source of grant funds to **supplement** other Federal aid programs (such as the Basic Grant described immediately above) if the student continues to show need. Maximum: \$1,500 per academic year but \$4,000 aggregate over four years. Limited availability—no repayment obligation—open to undergraduates only.

\*See "How to Apply."

**NORTHEASTERN SCHOLARSHIPS**

**UNI Talent Scholarship** (music, art, athletic, etc.) four year retention by student—two letters of recommendation from persons qualified to evaluate talent—approval of UNI talent committee—no need analysis required—contact UNI Financial Aid Office for application—limited availability.

NOTE: Consult financial aid brochure for information on additional local scholarships offered from time to time.

**STATE SCHOLARSHIPS**

**Illinois Monetary Award.** (State). Open to all undergraduates who are residents of Illinois and enroll at least half-time. Typically pays tuition and general fees—based on need alone, no measure of scholastic achievement required—many grants available—high school seniors should contact their high school counselors—transfer students should contact UNI Financial Aid Office—recipients must reapply annually.

IMPORTANT NOTE: All students completing general Financial Aid application for assistance at UNI are expected to apply for the Illinois State Monetary Award as well.

**Special Education Scholarship.** Four year retention by student, no renewal necessary—student must express intent to take courses in preparation for teaching special education—no need analysis—contact high school counselor or UNI Financial Aid Office—limited availability.

**Illinois General Assembly Scholarship.** Each member of the Illinois General Assembly is authorized to award the equivalent of two 4-year scholarships annually to his or her constituents. ("Equivalent" means that the legislator may choose the alternative of awarding eight 1-year scholarships, four 2-year scholarships or any combination thereof). Financial need usually not a factor. Contact State Senator or Representative.

**STUDENT EMPLOYMENT**

**Student Aide Employment.** (Part-time on-campus jobs are available to students who apply early each term. Application may not be made in advance of admission to the university. Contact Financial Aid Office.

**\*Work-Study Employment.** (Federal). Federally financed jobs on-campus or off-campus are available to UNI students. Off-campus jobs are arranged with public or private non-profit agencies and must be in the public interest. Preference will be given to students having greatest financial need. Open to full-time or half-time students.

NOTE: Both employment sources described above are available to graduate as well as undergraduate students.

\*See "How to Apply."

**VETERANS BENEFITS**

**Veterans Readjustment Assistance Act of 1974.** G.I. Bill. Any veteran who served at least 181 days of active duty in the

Armed Forces after January 31, 1955, and who has a discharge other than "dishonorable" may be eligible for monthly educational assistance as follows:

	no dep.	one dep.	two dep.
Full-time	\$270	\$321	\$366
3/4	203	240	275
1/2	135	160	182

**Illinois Veterans Scholarship.** (State). All eligible Illinois veterans are entitled to a waiver of tuition and some fees for an equivalent of four years of enrollment at any State University or Illinois Public Community College. Such enrollment may be on a part-time or full-time basis over a maximum of 12 years or 120 points (see below), whichever comes first.

Points are computed as follows:

Hours of Study	Point Equivalency
1 through 6	1 point per hour
7 through 8	6 points per hour
9 through 11	9 points per hour
12 or more	12 points per hour

Interested veterans must complete an application form (available in the Financial Aid Office) and furnish a copy of their official separation form (DD-214) to demonstrate: 1) that they resided in Illinois until at least six months prior to induction or enlistment, 2) served on active duty in the armed forces for at least one year at any time since September 1940, and 3) returned to Illinois within six months after discharge.

NOTE: This scholarship may be used concurrently with G.I. Bill benefits.

**HOW TO APPLY**

Applicants who wish to be considered for general financial aid or any of the above aid sources marked with an asterisk (that is, those which require need analysis by UNI) must comply with the following instructions:

1. Write for an application for admission to Northeastern Illinois University (no aid offers are considered final until applicant has completed admissions and registration procedures).
2. Write for a general Northeastern Financial Aid Application.
3. Complete the required need analysis form. For 1976-77, both dependent and self-supporting students must submit the Family Financial Statement (FFS). FFS's are available from high school counseling offices or the Northeastern Financial Aid Office. Mailing instructions are contained within the FFS packet.
4. Complete an Illinois Monetary Award application.
5. Complete a Basic Educational Opportunity Grant (BEOG) application.
6. (For all self-supporting students — single or married): Obtain an official photocopy of your 1975 Federal Income Tax Form (IRS 1040 or 1040a). A standard letter of request for the IRS statement may be obtained from the Financial Aid Office.

**IMPORTANT:** All applications for financial aid must be on file in the UNI Financial Aid Office by May 1 if aid is desired for the following September. No aid awards become final until the student is accepted for admission to UNI.

When an aid award has been determined for a particular student, that student will receive an Aid Award Letter specifying the amount and kind(s) of aid being offered. If the student agrees to accept the aid as offered, he must return the Letter of Acceptance accompanying the Aid Award Letter.

For additional information, write or call the UNI Financial Aid Office.



# ACADEMIC REGULATIONS

## THE ACADEMIC YEAR

The regular academic year consists of two trimesters of 16 weeks each and two terms of 8 weeks each, which will allow a student to complete the requirements for graduation in less than three years.

## ATTENDANCE

Attendance in class is compulsory. The responsibility for enforcement of attendance rests with each faculty member, at whose discretion a student may be dropped from class for absence with a grade of "F" (Failure).

In the event of return following extended absence due to illness, a student may be required to present a statement signed by a physician, concerning the nature and duration of that illness.

A student must attend the class and section for which he is registered. He may not attend a class other than the one for which he is registered.

A student may not attend meetings of a class without first registering for it. However, a student dropping a course within the first nine weeks of the sixteen week trimester, or within the first five weeks of an eight week term, may remain in attendance without possibility of credit, provided he has the consent of the instructor and continues in residence at the university.

Students are required to be present at the beginning of the term and to remain until the work of the term is finished.

## UNIT OF CREDIT

The unit of credit is the semester hour. The semester hour consists of the equivalent of one 50-minute lecture or discussion period, or two laboratory periods per week, for a trimester. For individual study programs, the time requirement for a credit unit will be arranged.

## COURSE LOAD

The maximum credit hour load for day students is 16 semester hours of academic work in the regular sixteen-week trimester and nine semester hours of academic work in the eight-week terms. The recommended credit hour load per sixteen-week trimester for part-time graduate students engaged in full-time employment is six credit hours and three credit hours in the eight-week term. There is no minimum credit hour load for students who are not on probation.

To carry more than the allowable credit hour load, undergraduates must obtain written permission from their academic advisor. Permission forms are available in the Record Office.

## Concurrent Registration

Undergraduates working for a degree at Northeastern Illinois University must obtain written permission before taking courses at another college or university. Forms and information concerning procedures to follow are available in the Office of Evaluations. Failure to follow these procedures may jeopardize acceptance of credits earned elsewhere. Students may not be enrolled at another institution during the term graduation is anticipated.

## MARKING SYSTEM

Letter grades are given; the grade-point values are:

Letter Grade	Grade Points Per Credit Hour
A	5
B	4
C	3
D	2
F (failure)	1
P (Pass-used in Program for Interdisciplinary Education)	No grade point value
S/U (Pass/Fail) (Undergraduate Only)	No grade point value
V (visitor)	No credit, No grade point value
I (incomplete)	

Under certain circumstances, the symbols L (left), W/P (withdrew/passing), and W/F (withdrew/failing) are used instead of letter grades. (See Dropping Classes and Withdrawal from the University).

I (incomplete), may be given if a student is absent from the final examination or fails to complete a special research or individual study project because of some unavoidable circumstances, such as illness. The instructor should be notified within twenty-four hours after the time scheduled for the examination or completion of the paper or project. It is the responsibility of the student to make arrangements for removal of an incomplete grade. The I (incomplete) will be retained until such time as the instructor assigns a regular grade.

V (visitor). A student who wishes to audit courses must obtain the written permission of the instructor, must register in the regular manner, and pay all fees charged students earning credit in the same course. Auditors' names will appear in the record designated as V, and no credit will be conferred. Once a student has enrolled as an auditor in a course, he may not change his registration to earn credit.

## GRADE POINT AVERAGE

1. A student shall be on probation if his cumulative grade point average does not meet the following minimum requirements. During the trimester he is on probation, he must carry a minimum of twelve hours of academic credit, regardless of his semester placement.

The minimum cumulative grade point average which must be maintained in order to be classified as a student in good standing is 3.0 or a C average.

The cumulative grade point average is computed on the basis of credit earned at Northeastern Illinois University only. (A= 5, B= 4, C= 3, D= 2, and F= 1.)

2. A student will be removed from probation whenever his cumulative grade point average meets the requirements as stated in 1.

3. A student who has been on probation and again fails to meet requirements as stated in 1 will be dismissed from the university.

4. Students dropped for poor scholarship may apply for readmission after an absence of one trimester. During this period it is advisable that students wishing to be considered for readmission attend an accredited college and carry at least twelve hours of academic subjects. A "B" average should be maintained. Students who have completed sixty hours of college work may not attend a junior college. A student who has been readmitted will be on probation and will be dropped permanently from the university if, at the end of the trimester, his cumulative grade point average does not meet university requirements. Exceptions to the above policy will be made for students in the Educational Assistance Program. Effective September 1, 1972, students in this program will be subject to the above retention regulations at the end of the sixth consecutive trimester or two years after admission to the program.

5. Students with bachelor's degrees and undergraduate students-at-large without bachelor's degrees will be dropped permanently from the university if, upon completion of three courses, they have less than a C (3.0) cumulative grade point average.

6. The Sub-Committee on Academic Standards, composed of members of the faculty, may recommend changes in the rules governing probation, dismissal, and readmission. This Committee shall also consider individual student petitions for readmission and suspension of specific rules for good and sufficient reason. Committee decisions to grant or deny such petitions shall be final.

## DROPPING CLASSES

A student who wishes to drop a class during the first nine weeks of instruction in the regular sixteen-week trimester, or during the first five weeks of instruction in the eight-week terms, must fill out a change of registration form in the Record Office. Before the end of the ninth week of the sixteen-week term, or the end of the fifth week of the eight-week term, a student may be dropped from class for absence as well as for other reasons. A student who drops a class or withdraws from the university during these periods receives an L (left).

Beginning with the tenth week of the sixteen-week trimester or the sixth week of the eight-week term, official withdrawal from any class is no longer possible; unofficial withdrawal results in a failure. Special circumstances, such as extended serious illness, may make it necessary or advisable for a student to drop courses after this period. In that event, at the discretion of the instructor, with approval of the appropriate Dean, a grade of W/P (withdrew passing) or W/F (withdrew failing) — depending on the student's status in the class — may be given instead of F.

## WITHDRAWAL FROM THE UNIVERSITY

A student who wishes to withdraw from the university must apply in person or in writing, giving reasons, to the Record Office. Unofficial withdrawal results in a grade of F

Beginning with the tenth week of the sixteen-week trimester, and until one month before the end of the trimester, any student who withdraws from the university receives W/P (withdrew pas-

sing) or W/F (withdrew failing), depending upon his status in each class at the time of withdrawal. The same regulations apply beginning with the sixth week of any eight-week term. Students who withdraw during the final month of the sixteen-week trimester or the last two weeks of the eight-week term receive a grade of F in each course, except that under special circumstances a grade W/P or W/F may be given.

A student who withdraws from the university must return all borrowed books to the library, pay any fines due, and clear all outstanding accounts.

## READMISSION

**Following Withdrawal in Good Standing:** Undergraduate students who are off campus more than one trimester must apply for readmission to re-enter the university. Forms for that purpose may be requested from the Director of Admissions. If an application for readmission is filed before the end of the eighth week of a trimester, and approved, the student will be permitted to register for the next trimester with students who are attending. If such request is filed after the end of the eighth week, re-entering students may register if they are eligible, but will complete their registration after all other scheduled registrants have been accommodated.

**Following Withdrawal Not in Good Standing:** A student who has been dropped for poor scholarship and who desires to be readmitted to the university must petition, in writing, the Sub-Committee on Academic Standards. This petition must reach the committee at least two months prior to the beginning of the term for which the student is requesting permission to enroll. If the student has attended another college in the interim, he must request that an official transcript be forwarded for review by the committee.

## THE ACADEMIC PROGRAM

### REQUIREMENTS FOR GRADUATION

At the time of its establishment on the present campus in 1961, this university was committed exclusively to the education of elementary school teachers within the framework of a broad academic program. The stress of expansion under growing community needs which is common to most public institutions of higher education necessitated a revision of the university's goals. To provide a sound academic program for the many students seeking careers outside professional education, as well as those who intend to teach, the university in 1967 was reorganized into the College of Arts and Sciences, the College of Education and the Graduate College.

The curriculum has been restructured to provide a Basic Program of 30 credit hours for all students, upon which are constructed three separate undergraduate programs leading to the Bachelor of Arts degree or the Bachelor of Science degree. The basic curriculum is designed to afford a smooth transition from the core courses into specialization provided in the separate programs.

The three undergraduate programs (detailed below) are:

- a) Elementary Education, with subject-matter majors and a major in Early Childhood Education,
- b) Secondary Education with a variety of subject-matter majors,
- c) Liberal Arts with majors in selected disciplines.

Students are encouraged to seek help from the University Counseling Center or their departmental advisor with respect to their programs of study and other regulations, particularly, those governing graduation.

At least 30 credit hours, normally the last 30, must be completed at Northeastern Illinois University in order to graduate from this institution.

Students in all programs must pass a test, prescribed by law, on the constitutions of the United States and the State of Illinois.

All undergraduate degree-seeking students must file a preliminary application for graduation with the Office of Evaluations at the beginning of the trimester preceding the one in which they expect to graduate. Students must have accumulated 85 semester hours and passed the Constitution Exam at the time the preliminary application is filed. They must file a second applica-



tion, the final one, also with the Office of Evaluations, at the beginning of their last trimester. Responsibility for such filing is entirely the student's. Deadline dates are published in the schedule of classes each trimester.

Course Numbers

Courses numbered in the 100s are usually taken during the freshman year; those in the 200s are advanced courses usually not to be taken in the freshman year. Courses numbered in the 300s are intended for advanced undergraduates and graduate students

The 400-level courses are for graduate students only. All course descriptions are listed in a separate booklet.

COURSE REQUIREMENTS

Following is the list of courses required of students enrolled at Northeastern Illinois University as candidates for the Bachelor's degree in Elementary Education (including early childhood or upper elementary programs) or Secondary Education or Liberal Arts. The courses the student must complete in each of these special programs are listed immediately following the university's basic curriculum.

Basic Program

The Basic Program for all undergraduates is relatively unstructured to encourage student selection of specific courses according to individual interests and needs. The total number of credit hours to fulfill Basic Program requirements for graduation is thirty (30). Students must take a minimum of three courses in each of the nine credit hour categories and a minimum of four courses in the twelve hour category. In each of the categories students may not take more than two courses in any one discipline to meet the Basic Program requirements.

- I. NATURAL SCIENCES AND MATHEMATICS  
Biology  
Chemistry  
Earth Science  
Information Science  
Mathematics  
Physics  
9 credit hours
- II. BEHAVIORAL AND SOCIAL SCIENCES  
Anthropology  
Economics  
Geography  
History  
Political Science  
Psychology  
Sociology  
9 credit hours
- III. HUMANITIES  
Art  
English  
Foreign Languages  
Linguistics  
Music  
Philosophy  
Speech and Performing Arts  
12 credit hours

Following are the curricula for majors constructed on this Basic Program that are available to undergraduate students at Northeastern Illinois University.

- I. Elementary Education: Early Childhood Education and Intermediate-Upper grades with majors in various subjects.
- II. Secondary Education: Majors in various subjects.
- III. Liberal Arts: Majors in various subjects.

- I. ELEMENTARY EDUCATION  
A. EARLY CHILDHOOD EDUCATION MAJOR  
The Bachelor of Arts degree in Early Childhood Education is awarded upon the completion of 120 credit hours.  
Credits  
Basic Program ..... 30  
Early Childhood Education Major ..... 30  
Professional Education ..... 31  
Electives ..... 29  
Total.....120

- B. INTERMEDIATE-UPPER GRADES MAJOR  
(Grades 3-8)  
The Bachelor of Arts degree in Elementary Education (Grades 3-8) is awarded upon the completion of 120 credit hours.  
Credits  
Basic Program ..... 30  
Intermediate-Upper Grades Major in Area of Concentration ..... 18-30  
Professional Education ..... 32  
Electives ..... 40-28  
Total.....120

- Intermediate-Upper Grades (3-8) Major ..... 18-30  
Professional Preparation ..... 32  
EDFN-201 Educational Psychology ..... 3  
EDFN-215 Philosophical and Historical Foundations of Public Education ..... 4  
ELED-301 Curriculum of the Elementary School ..... 3  
ELED-302 Methods of Teaching Language Arts—Elementary School ..... 2  
ELED-306 Methods of Teaching Reading—Elementary School ..... 3  
ELED-332 Laboratory in Elementary Education II: Varies ..... 2  
ELED-329 Student Teaching and Seminar—Grades 3-8 ..... 9  
ELED-303 Methods of Teaching Mathematics—Elementary School ..... 2  
Choice of one of the following:  
ELED-304 Methods of Teaching Social Studies—Elementary School ..... 2  
ELED-305 Methods of Teaching Science—Elementary School ..... 2  
Choice of one of the following:  
ELED-314 Teaching the Gifted Child ..... 2  
ELED-315 Teaching in the Inner-City Elementary School ..... 2  
ELED-316 Teaching the Slow-Learning Child ..... 2

- II. SECONDARY EDUCATION MAJOR  
IN VARIOUS SUBJECTS  
The Bachelor of Arts degree in a secondary education program is awarded upon the completion of 120 credit hours.  
Basic Program ..... 30  
Required Courses for Major ..... 30  
The specific program required to complete a major is to be worked out with the faculty advisor in the department offering the major.  
Professional Education ..... 19-22  
EDFN-201 Educational Psychology ..... 3  
EDFN-215 Philosophical and Historical Foundations of Public Education ..... 4  
SCED-331 Methods of Teaching on the Secondary Level ..... 3  
The methods course in the student's academic major ..... 3  
SCED-309 Secondary Student Teaching and Seminar in ..... 9  
Electives ..... 41  
Total.....120

- III. LIBERAL ARTS MAJORS IN VARIOUS SUBJECTS  
The Bachelor of Arts degree in a liberal arts program is awarded upon the completion of 120 credit hours.  
Basic Program ..... 30  
Required Courses for Major ..... 30  
The specific program required to complete a major is to be worked out with the faculty advisor in the department offering the major.  
Electives ..... 60  
Total.....120

\*Each discipline which offers a secondary teaching major has a methods course in that discipline.

\*All secondary student teaching and seminar courses are listed SCED-309. Each department has its own section.

ACADEMIC PROGRAMS

	Year of Program Approval	Degree
American Studies .....	1972 .....	M.A.
Anthropology .....	1969 .....	B.A.
Art .....	1968 .....	B.A.
Elementary Education .....	Pre-1965 .....	B.A.
Secondary Education .....	1968 .....	B.A.
Bilingual/Bicultural Studies		
Elementary Education .....	1974 .....	B.A.
Biology .....	1967 .....	B.S.
	1970 .....	M.S.
Secondary Education .....	1967 .....	B.S.
Medical Technology .....	1972 .....	B.S.
Board of Governors Degree .....	1972 .....	B.A.
Business and Management .....	1974 .....	B.A.
Chemistry .....	1968 .....	B.S.
	1971 .....	M.S.
Secondary Education .....	1968 .....	B.S.
Early Childhood Education .....	1967 .....	B.A.
Earth Science .....	1973 .....	B.S.
Secondary Education .....	1969 .....	B.S.
	1971 .....	M.S.
Economics .....	1971 .....	B.A.
English .....	1968 .....	B.A.
Secondary Education .....	1968 .....	B.A.
	1968 .....	M.A.
French .....	1968 .....	B.A.
Secondary Education .....	1968 .....	B.A.
Geography .....	1968 .....	B.A.
Secondary Education .....	1968 .....	B.A.
	1970 .....	M.A.
Urban Land Use Planning .....	1975 .....	M.A.
Guidance and Counseling .....	1975 .....	M.A.
Elementary Education .....	1966 .....	M.A.
Secondary Education .....	1967 .....	M.A.
Vocational Education .....	1973 .....	B.A.
History .....	1967 .....	B.A.
Secondary Education .....	1967 .....	B.A.
	1968 .....	M.A.
Human Services .....	1975 .....	B.A.
Information Science .....	1974 .....	B.S.
Inner City Studies .....	Pre-1965 .....	B.A.
Elementary Education .....	Pre-1965 .....	B.A.
	1966 .....	M.A.
	1973 .....	B.A.
Judaic Studies .....		
Kaskaskia Program Individualized Curriculum .....	1970 .....	B.A.
Language Arts .....	Pre-1965 .....	M.Ed.
Elementary Education .....	1974 .....	B.A.

Linguistics .....	1968 .....	B.A.
Secondary Education .....	1968 .....	B.A.
English Linguistics .....	1968 .....	M.A.
General Linguistics .....	1970 .....	M.A.
Applied Linguistics .....	1971 .....	M.A.
Teaching English as a Second Language .....	1975 .....	M.A.
Mathematics .....	1967 .....	B.A.
Elementary Education .....	Pre-1965 .....	B.A.
Secondary Education .....	1967 .....	B.A.
Elementary School Teacher .....	1973 .....	M.A.
Junior High School Teacher .....	1973 .....	M.A.
Music .....	1968 .....	B.A.
Elementary Education .....	Pre-1965 .....	B.A.
Secondary Education .....	1968 .....	B.A.
Natural Sciences		
Elementary Education .....	Pre-1965 .....	B.S.
Philosophy .....	1969 .....	B.S.
Physical Education		
Elementary Education .....	1965 .....	B.A.
Secondary Education .....	1969 .....	B.A.
Physics .....	1968 .....	B.S.
Secondary Education .....	1968 .....	B.S.
	1971 .....	M.S.
Political Science .....	1967 .....	B.A.
	1969 .....	M.A.
Psychology .....	1968 .....	B.A.
Elementary Education .....	Pre-1965 .....	B.A.
Reading .....	1972 .....	M.A.
Social Science .....	1970 .....	B.A.
Elementary Education .....	Pre-1965 .....	B.A.
Secondary Education .....	1970 .....	B.A.
Liberal Arts .....	1970 .....	B.A.
	1973 .....	M.A.
Sociology .....	1969 .....	B.A.
Spanish .....	1968 .....	B.A.
Elementary Education .....	Pre-1965 .....	B.A.
Secondary Education .....	1968 .....	B.A.
Special Education		
Elementary Education .....	1968 .....	B.A.
Educable Mentally Handicapped	1962 .....	M.A.
Socially Maladjusted .....	1962 .....	M.A.
Culturally Disadvantaged .....	1962 .....	M.A.
Learning Disabilities .....	1969 .....	M.A.
Trainable Mentally Handicapped	1962 .....	M.A.
Behavior Disorders .....	1962 .....	M.A.
Speech and Performing Arts .....	1970 .....	M.A.
Speech and Performing Arts .....	1968 .....	B.A.
Elementary Education .....	Pre-1965 .....	B.A.
Secondary Education .....	1968 .....	B.A.
University Without Walls Degree .....	1971 .....	B.A.



# ACADEMIC PROGRAMS

## UNDERGRADUATE

Both the College of Arts and Sciences and the College of Education offer programs of study leading to the Bachelor of Arts degree or the Bachelor of Science degree. With many lectures, classes, and laboratories in common, undergraduate students feel an identity of interests in academic matters regardless of where they are concentrating their studies.

Each undergraduate is encouraged to develop an academic program that takes into account his or her abilities, aspirations, and interests as well as the general framework of university requirements and his particular departmental requisites. Students with a combination of or very specific interests not adequately served in a traditional degree program may choose an alternative and nontraditional degree program. The Kaskaskia Plan makes it possible for a student to design an individualized degree program in close consultation with an advisor.

The bachelor's degree requirements of Northeastern Illinois University are based on eight trimesters of academic work. A student usually begins his studies with the Basic Program requirement of 30 semester credit hours in the three traditional areas of learning: **the humanities** (art, English, foreign languages, linguistics, music, philosophy, speech and performing arts), **natural sciences** (biology, chemistry, earth science, physics, mathematics), and **behavioral and social sciences** (anthropology, economics, geography, history, political science, psychology, sociology). He is encouraged to select courses in these areas according to his own interests, the only guidelines being to satisfactorily complete at least 12 semester credit hours (a minimum of four courses with no more than two courses in any one discipline) in the **humanities** and at least nine semester credit hours (a minimum of three courses with not more than two courses in any one discipline) in both **natural sciences** and **behavioral and social sciences**.

Sometime during the sophomore year, an undergraduate will choose a course of study leading to the bachelor's degree in one of the two undergraduate colleges. Studies in the colleges are customarily organized about a concentration of academic courses in a single department, which becomes the student's major. Sometimes, a student may also complete a minor, which is chosen flexibly except in the sciences.

In most cases, a student in the College of Arts and Sciences may either choose a strict departmental major or a departmental major combined with preparation for teaching and normally reflects the program of the department in which he is concentrating. The 19 departments and three programs in the college include anthropology, art, biology, business and man-

agement, chemistry, earth science, economics, English, foreign languages, geography and environmental studies, history, human services, information and computer science, linguistics, mathematics, music, philosophy, physics, political science, psychology, sociology, and speech and performing arts.

A student in the College of Education completes courses in professional teacher education and chooses a major or area of concentration in one of its departments or programs — early childhood education, elementary education, secondary education, educational foundations, urban communities teacher education, special education, counselor education, physical education, inner city studies education, reading, and instructional media. He is eligible to apply for admission to the College of Education after satisfactorily completing 45 semester credit hours with a 3.25 cumulative average.

## University Requirements for Graduation

The university awards the bachelor's degree to a student who has completed a degree program, which normally includes a departmental or program concentration.

A candidate for the bachelor's degree is required to (a) satisfactorily complete the 30-hour Basic Program requirement; (b) satisfy scholastic and course requirements of his major department; (c) satisfactorily complete 120 semester credit hours that include a minimum of 30 of those semester credit hours completed in residence at Northeastern Illinois; (d) **either** take and pass a state-required examination covering the U.S. Constitution and the 1970 Illinois Constitution **or** satisfactorily complete PSCI-AMER-216 American National Government **or** PSCI-COMP-211 Comparative Political Systems **or** PSCI-AMER-304 Constitutional Law: The Supreme Court's Role in American Government, PSCI-AMER-305 Constitutional Law — Civil Liberties, PSCI-AMER-358 The Judicial Process (choose one) **or** PSCI-AMER-310 American Political Systems; and (e) submit a completed application for graduation form to the Office of Evaluations not later than September 15th for April graduation, December 15th for June or August graduation, July 15th for December graduation.

The passing score for the Constitution examination may vary from one test to another since the Pass Grade may differ each time the test is administered. A student should take and pass the test early in his undergraduate study in order to assure fulfilling this requirement well in advance of graduation.

Every student anticipating a graduation date is entirely responsible for obtaining a graduation application from the Office of Evaluations, completing it, and submitting it by the appropriate deadline date.

The courses of study leading to the bachelor's degree at Northeastern Illinois University offer the individual a wide range of possibilities. The university offers guidance through Student Affairs. In addition, faculty advisors are readily available, each de-

partment taking responsibility for advising its undergraduate majors.

## GRADUATE

Graduate programs are detailed in the Graduate College section of this catalog.

## Second Bachelor's Degree

A person who already holds a bachelor's degree from an accredited college or university can earn a second one at Northeastern Illinois University.

**Admission requirements include** showing evidence of the first degree, submitting to the Admissions Office both the appropriate completed application\* and an official transcript (forwarded) from the institution that granted the first degree.

# COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences houses the departments of anthropology, art, biology, business and management, chemistry, earth science, economics, English, foreign languages, geography and environmental studies, history, information and computer science, linguistics, mathematics, music, philosophy, physics, political science, psychology, sociology, and speech and performing arts, as well as a program in human services.

When a student formally selects a major program of study, an advisor in the area of the major is assigned. Generally, a student in the College of Arts and Sciences may choose a major in the discipline in a liberal arts program, a major and preparation for secondary school teaching in the discipline, or preparation for elementary school teaching with emphasis in the discipline. The college offers a number of interdisciplinary courses. Furthermore, the Kaskaskia Plan provides the opportunity for a limited number of students to design programs of study that uniquely suit their individual academic or professional ambitions. Students in the college must complete university graduation requirements as well as their departmental requirements.

A strong tradition of faculty and student cooperation in decision-making has evolved. Students in major programs may influence departmental offerings and requirements, and their opinions may contribute to effecting changes in the direction of college-wide efforts.

More detailed information is available in the Offices of the Dean, department chairpersons, or program coordinators.

## ANTHROPOLOGY

The department of Anthropology offers a major program of study leading to the degree of Bachelor of Arts in one of two tracks: General Anthropology and Urban/Applied Anthropology. In addition, the department offers a minor in anthropology for students majoring in other disciplines.

Undergraduate anthropology courses are three semester credit hours and degree requirements include satisfactory completion of 30 semester credit hours for a major and 21 semester credit hours for a minor.

## GENERAL ANTHROPOLOGY TRACK

The General Anthropology Track provides an overview of the major areas of anthropology and seeks to develop (a) an understanding of the basic concepts and methodology associated with

**Requirements for the second degree are** satisfactory completion of at least 30 semester credit hours at Northeastern Illinois University, which must include both satisfying the 30-semester credit hour Basic Program requirement through either courses completed for the first degree or appropriate courses completed at Northeastern Illinois University **and** satisfactorily completing a major of 30 semester credit hours established by the appropriate department. Semester credit hours completed as part of the major program for the first degree will not be credited toward the 30 required for the new major.

Applicants for the second degree are subject to the same academic regulations as other undergraduates at the university.

\*Graduates of Northeastern Illinois University are not assessed the \$15.00 undergraduate application fee, but all second degree students pay the graduation fee.

an anthropological approach to the study of man, (b) an appreciation, in a spatio-temporal perspective, of the biological and cultural factors operating as man and his works develop, and (c) a cross-cultural, holistic perspective that will help to better understand today's world problems.

## Required Courses (15 semester credit hours)

ANTH-212 Cultural Anthropology  
ANTH-215 Human Origins  
ANTH-325 Old World Prehistory **or**  
ANTH-326 New World Prehistory **or**  
ANTH-352 Archaeological Methods **and**  
ANTH-362 Senior Seminar in Anthropology

## Two courses (6 semester credit hours) selected from the following:

ANTH-301 Peoples of Africa—The Anthropology of Africa  
ANTH-302 Peoples of Asia—The Anthropology of Asia  
ANTH-303 Peoples of Oceania—The Anthropology of Oceania  
ANTH-304 Peoples of Southeast Asia—The Anthropology of Southeast Asia  
ANTH-305 Peoples of South America—The Anthropology of South America  
ANTH-327 Indigenous Peoples of North America

## Four courses (12 semester credit hours) selected from the following:

ANTH-311 Kinship and Social Structure  
ANTH-314 Religion, Society and the Individual  
ANTH-315 Family, Society and the Individual  
ANTH-341 Culture of Poverty  
ANTH-343 Culture and Personality—Theory and Application  
ANTH-344 Racial and Cultural Minorities  
ANTH-345 Physical Anthropology  
ANTH-350 Pro-Seminar in Anthropology: Varies  
ANTH-351 Independent Study in Anthropology  
ANTH-354 Economic Anthropology  
ANTH-355 History of Anthropological Theory  
ANTH-URB-331 Urban Anthropology  
ANTH-URB-332 Urban Prehistory  
ANTH-URB-333 Pro-Seminar in Urban/Applied Anthropology: Varies

## URBAN/APPLIED ANTHROPOLOGY TRACK

The urban/applied anthropology track maintains the broad objectives of the general anthropology track but develops a greater emphasis on urban phenomena and practical applied opportunities in the urban setting.

It continues with the anthropological themes of holism, the cross-cultural perspective, and the increasing interdisciplinary focus in the study of complex societies.

It provides students with a) information on urban structures and populations and b) methodological skills to assist graduates in obtaining employment and/or continuing graduate studies in service-oriented fields.

It has a Senior Internship (6 semester credit hours) which stu-



dents tailor to their specific interests along with the program's goal of training persons in the combined role of researcher/social technician. It permits students to minor, choosing 15 additional credit hours beyond the required Cultural Anthropology and Human Origins courses.

#### Required Courses (18 semester credit hours):

ANTH-212	Cultural Anthropology
ANTH-URB-331	Urban Anthropology
ANTH-URB-332	Urban Prehistory
SOC-337	Methods of Social Inquiry
ANTH-URB-339	Anthropology Internship (6)

#### Choice of four (12 semester credit hours) of the following:

ANTH-344	Racial and Cultural Minorities
ANTH-URB-333	Pro-Seminar in Urban/Applied Anthropology: Varies
ECON-305	Economic Statistics
PSCI-PA-332	Introduction to Public Administration
PSCI-URB-334	Urban Politics
SOC-316	Urban Ecology
HIST-389	Urban History of the U.S., 1877-Present
HSRV-309	Community Planning and Development I

#### MINOR IN ANTHROPOLOGY

A minor in anthropology requires satisfactorily completing 21 semester credit hours that include:

ANTH-212 Cultural Anthropology  
ANTH-215 Human Origins  
and an additional 15 semester credit hours in the department chosen in consultation with an assigned advisor.

## ART

The department of Art offers programs leading to the degree of Bachelor of Arts.

The study of visual art seeks to develop a critical understanding of man's environment and the art produced in it during former and contemporary cultures. A student whose major is art begins with a broad liberal arts approach that emphasizes visual art as a basic form of communication dependent on knowledge of the physical, perceptual, and social aspects of art. Developing in a specific area in upper division courses, the student is expected to express ideas with materials, examine and appraise works of art from past and contemporary cultures, and develop aesthetic problem-solving behavior.

The three available major programs are an art major in a liberal arts program, an art major in a secondary education program, and an area of concentration in art in an elementary education program. Degree requirements for all three include satisfactorily completing ART-101 Visual Foundations of Art, an appropriate core of 21-24 semester credit hours in art, maintaining an average of B or better in all courses in the department, and the Fifth Studio Evaluation. All courses are three semester credit hours.

#### MAJOR IN ART

##### Required Courses: (24 semester credit hours)

ART-101	Visual Foundations of Art
ART-102	Art in Society
ART-201	Social Aspects of Historical Art Forms I or
ART-202	Social Aspects of Art Forms II
ART-219	Physical Aspects of Two-Dimensional Art
ART-221	Physical Aspects of Three-Dimensional Art
ART-223	Social Aspects of Contemporary Art Forms
ART-224	Perceptual Aspects of Art I
ART-225	Perceptual Aspects of Art II

**For the Fifth Studio Evaluation,** an art major presents a portfolio of the best work from the first five studio courses following ART-101. An art department committee evaluates strengths and weaknesses in the portfolio presentation and sends an evaluation chart to the student and a copy of it to his art department advisor for review and filing. The Fifth Studio Evaluation is a prerequisite for an eighth or subsequent studio course.

**Additional requirements for liberal arts program:** Satisfactorily completing nine semester credit hours (three courses)

from electives listed below.

**Additional requirements for secondary education program:** SCED-ART-303 Contemporary Art Education in the Secondary School, which is charged to professional education requirements; presentation of Fifth Studio Evaluation portfolio to the cooperating teacher, a prerequisite for student teaching; SCED-ART-304 Secondary Student Teaching and Seminar in Art (nine semester credit hours); and satisfactorily completing nine semester credit hours (three courses) from electives listed below.

**Additional requirements for elementary education program:** Satisfactory completion of ART-388 Contemporary Art Education in Grades 3-8 or ART-394 Contemporary Art Education in the Kindergarten-Primary Grades.

#### Electives:

ART-210	The Theory and Practice of Calligraphy (Lettering)
ART-213	Painting Techniques and Processes I: General Aqueous Media
ART-214	Painting Techniques and Processes II: General Non-Aqueous Media
ART-215	Painting Techniques and Processes III: Contemporary Media
ART-216	Sculpture Techniques and Processes I: Modeling and Casting
ART-217	Sculpture Techniques and Processes II: Subtractive
ART-218	Sculpture Techniques and Processes III: Welding and Construction
ART-226	Urban Environmental Design
ART-227	Introduction to Photography
ART-305	Ancient Art
ART-306	Early Christian and Medieval Art
ART-307	Visual Communication Fundamentals
ART-308	Advanced Visual Communication
ART-311	Individual Research in the Arts
ART-312	Advanced Sculpture III
ART-313	The Art of Africa and Oceania
ART-314	The Art of the Pre-Columbian Indian, American Indian, and Eskimo
ART-315	The Art of China, Japan, and Korea
ART-316	Painting of the Italian Renaissance
ART-317	Painting of the United States of America
ART-318	The Arts of Spain
ART-319	Advanced Sculpture I
ART-320	Advanced Sculpture II
ART-321	Commonwealth of the Arts
ART-322	Studio in Drawing
ART-323	Studio in Painting
ART-324	Studio in Sculpture
ART-325	Studio in Graphics
ART-326	Modern European Sculpture and Architecture
ART-327	Sculpture and Architecture of the United States
ART-331	Drawing I
ART-332	Drawing II
ART-333	Printmaking: Relief I
ART-334	Printmaking: Intaglio I
ART-335	Printmaking: Lithography I
ART-336	Advanced Graphics
ART-337	Industrial Design
ART-338	Printmaking: Serigraphy I
ART-341	Architecture I
ART-342	Architecture II
ART-351	Seminars in Visual Art
ART-352	Independent Study in Visual Art
ART-354	Advanced Painting I
ART-355	Advanced Painting II
ART-356	Advanced Painting III
ART-361	Ceramics I
ART-362	Ceramics II
ART-363	Ceramics III
ART-364	Color
ART-367	Basic Metals and Jewelry Making
ART-368	Metal Enameling
ART-371	Textiles I
ART-372	Textiles II

The Art Department also offers more advanced study for students, in-service teachers, and postgraduate students. With the approval of an art faculty committee, they may register for such seminars, studio courses, and workshops as ART-351, ART-352, ART-322, ART-323, ART-324, ART-325, ART-397 Art Workshop in Intermediate Grades, and ART-399 Art Workshop in the Upper Grades.

The department expects an art major to lend for exhibit one to several pieces from each studio course and, before graduation, **requires** him to donate at least one piece chosen by a faculty committee to the university's permanent collection.

The Art Department maintains a policy that to remain a major, it is necessary to sustain a "B" average in art courses. This is not a new directive, nor is it a revision or current change. This has **always** been our mode of procedure. Students whose records indicate a drop below that requirement are so informed during personal advisement. After being counseled on the need for improvement a second time, over a period of several trimesters, the student is then asked to choose another major if no improvement occurs. It is strongly felt that work in art below a "B" average indicates a lack of comprehension, interest, and/or skill. A low level of accomplishment is hardly recommendation for anyone to continue as an art major, regardless of some degree of interest in the subject area. Further, different work does not prepare the student for introduction into the realm of self-expressive individual fine art appropriate for college support or any means of employment.

One of the specific departmental efforts at constructive help for art majors has been the initiation of the Fifth Studio review. This procedure will continue yearly with further emphasis on evaluating individual strengths and weaknesses. Of course, our advisors make every effort to counsel all students effectively. Committees devoted to other such areas (Talent Scholarships, for example) attempt to relieve pressures such as financial hardship. In all possible avenues, the art faculty has worked to upgrade the department and the work of individuals.

## BIOLOGY

The department of Biology offers courses of study leading to the degrees of Bachelor of Science and Master of Science. Broadly based undergraduate and graduate programs prepare students for careers in biology or for more advanced study in the biological sciences and related fields.

Undergraduate programs include majors in liberal arts, secondary education, and medical technology. In addition, there is a biology minor and an area of concentration in the natural sciences for elementary education majors. All courses are three semester credit hours unless otherwise noted in parenthesis. Graduate programs available are described in the Graduate College section of this catalog.

#### LIBERAL ARTS MAJOR IN BIOLOGY

##### Required Courses:

BIOL-101	Biology of Cells
BIOL-102	Biology of Organisms
BIOL-103	Biology of Populations
BIOL-311	Genetics
BIOL-312	Evolution
BIOL-316	Biochemistry
BIOL-317	Ecology

or  
BIOL-326 Biological Geography

BIOL-BOT-321	Plant Ecology
BIOL-BOT-318	General Plant Morphology
BIOL-BOT-315	Plant Physiology

or  
BIOL-ZOOL-312 Vertebrate Physiology  
BIOL-ZOOL-211 Animal Kingdom  
Biology Electives (6)\*

##### Supporting Minor Courses:

CHEM-211	General Chemistry I
CHEM-231	Organic Chemistry I
PHYS-201	College Physics I

and  
PHYS-203 Physics I Laboratory  
PHYS-202 College Physics II

and  
PHYS-204 Physics II Laboratory  
MATH-104 College Algebra

or  
MATH-275 Statistics

or  
MATH-106 Pre-Calculus Mathematics for Non-Math Majors (3-4)

Choice of two from the following: (6)\*

Chemistry elective
Earth Science elective
Mathematics elective
Physics elective
BIOL-323 Physical Methods in Biology
BIOL-325 History of Science

\*NOTE: Non-major type courses may not be used to satisfy this requirement. Approval by departmental advisor of courses to be used is necessary prior to registration.

#### LIBERAL ARTS MAJOR WITH PRE-MED/PRE-DENT SEQUENCE

##### Required Courses:

The required biology courses of the regular liberal arts major should be completed, except that BIOL-ZOOL-312 Vertebrate Physiology must be the option taken. Three other courses must also be included in the program:

BIOL-318	General Microbiology
BIOL-ZOOL-318	Vertebrate Histology
BIOL-ZOOL-323	Developmental Anatomy (4)

#### Additional biology courses, suggested but not required, are as follows:

BIOL-314	Cellular Physiology
BIOL-323	Physical Methods in Biology
BIOL-BOT-311	General Mycology
BIOL-BOT-315	Plant Physiology
BIOL-ZOOL-317	Animal Parasitology

#### Supporting Minor Courses:

In addition to the chemistry and physics requirements of the regular liberal arts major, a student must complete the following:

CHEM-212	General Chemistry II
CHEM-232	Organic Chemistry II

The mathematics requirement is variable depending on the high school background of the student. However, completion of the Pre-Med/Pre-Dent Sequence requires mathematics through calculus. Students with minimal high school mathematics should complete the following listed courses, including at least one in calculus:

MATH-104	College Algebra (3) and MATH-105 Trigonometry (3) or MATH-106 Pre-Calculus Mathematics for Non-Mathematics Majors I (4) or MATH-113 Calculus I for Mathematics Majors (3).
MATH-107	Calculus for Non-Mathematics Majors I (4) or
MATH-113	Calculus I for Mathematics Majors (3).
MATH-202	Calculus for Non-Mathematics Majors II (4) or
MATH-215	Calculus II for Mathematics Majors (5)
MATH-203	Calculus for Non-Mathematics Majors III (4) or
MATH-335	Calculus of Several Variables (5)

A student with a good advanced high school mathematical background may begin with calculus and consider additional courses in this area, **but only after consultation and approval from the mathematics department.**

#### LIBERAL ARTS MAJOR WITH MEDICAL TECHNOLOGY EMPHASIS

##### Required Courses:

Students follow the regular liberal arts major, except that BIOL-ZOOL-312 Vertebrate Physiology must be taken and in lieu of the six elective hours the two courses, BIOL-318 General Microbiology and BIOL-318 Vertebrate Histology, will be taken. In addition, one elective should be taken from the following list:

BIOL-323	Physical Methods in Biology
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BIOL-BOT-311	General Mycology
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BIOL-ZOOL-213	Mammalian Anatomy (4) or
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BIOL-ZOOL-323	Developmental Anatomy (4)
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BIOL-ZOOL-317	Animal Parasitology
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The required biology credits total 39-40 semester hours.

#### Supporting Minor Courses:

In addition to the chemistry courses required in the liberal arts major, a student must complete CHEM-212 General Chemistry II and CHEM-213 Chemical Analysis. The other supporting minor requirements are identical to those for the liberal arts major. It should be noted, however, that if BIOL-323 Physical Methods in Biology is chosen as a biology elective, it cannot also be used as one of the supporting minor electives. The supporting minor credits total 33-34 semester hours.



Completion of the courses listed above will qualify the student to apply for admission to a UNI-affiliated accredited hospital approved by the American Society of Clinical Pathologists for the year of clinical laboratory course prerequisite to taking the examination for certification as a medical technologist (ASCP). All students taking this program must be officially accepted by the department of biology and consult regularly with the coordinator of the program.

## SECONDARY EDUCATION MAJOR IN BIOLOGY

### Required Courses:

The required courses in biology are the same as in the liberal arts major in biology, except that there are only four hours of biology elective credit required instead of six (one of these hours may be earned by taking a four-hour supporting minor elective). In addition, SCED-BIOL-303 Materials and Methods for Teaching High School Science must be taken (of the four credits earned, one will count as biology credit and three as education credit). Biology credits total 35 semester hours.

### Supporting Minor Courses:

The supporting minor course requirements are the same as in the liberal arts major, except there are only three hours minor elective credit required instead of six (for courses acceptable as minor elective credit see course list for Liberal Arts Major). Supporting minor credits total 22-23 semester hours.

**Education Sequence** (ordinal numbers in parentheses indicate trimester course should be completed in):

EDFN-201	Educational Psychology (3) (5th)
EDFN-215	Philosophical and Historical Foundations of Public Education (4) (5th)
SCED-301	Methods of Teaching on the Secondary Level (3) (6th)
SCED-BIOL-303	Materials and Methods for Teaching High School Science (4) (7th)
SCED-SCI-304	Secondary Student Teaching and Seminar in Biology (9) (8th)

### State Certification Requirements:

One course in language arts, American history or U.S. government, health and physical education.

## BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY\*

### Required Courses:

BIOL-101	Biology of Cells
BIOL-102	Biology of Organisms
BIOL-318	General Microbiology
BIOL-ZOOL-312	Vertebrate Physiology
BIOL-ZOOL-318	Vertebrate Histology

One elective chosen from the following:

BIOL-316	Biochemistry
BIOL-323	Physical Methods in Biology
BIOL-BOT-311	General Mycology
BIOL-ZOOL-201	Human Genetics or
BIOL-311	Genetics (4)
BIOL-ZOOL-213	Mammalian Anatomy or } **
BIOL-ZOOL-323	Developmental Anatomy }
BIOL-ZOOL-317	Animal Parasitology

### Chemistry Courses:

CHEM-211	General Chemistry I (4)
CHEM-212	General Chemistry II (4)
CHEM-213	Chemical Analysis (4)
CHEM-231	Organic Chemistry I (4)

### Physics Courses:

PHYS-201	College Physics and
PHYS-203	Physics I Laboratory (4)

### Mathematics Courses:

MATH-104	College Algebra (3) or
MATH-275	Statistics (3) or
MATH-106	Pre-Calculus Mathematics for Non-Mathematics Majors (4)

In addition, twelve months clinical laboratory courses at an accredited, UNI-affiliated A.S.C.P.-approved hospital with concurrent registration at Northeastern Illinois University in courses (BIOL-MEDT-301, BIOL-MEDT-302, BIOL-MEDT-303, BIOL-

\*All students taking this program must be officially accepted by the department of biology.

\*\*If BIOL-ZOOL-213 or BIOL-ZOOL-323 is taken as the elective, a student will receive four credits for the course, making a total of 19 credits.

MEDT-304, BIOL-MEDT-305, BIOL-MEDT-306) Clinical Studies in Medical Technology I-VI. Formal admission to the program, formal acceptance in the clinical courses by an affiliated A.S.C.P.-approved hospital, and satisfactory completion of the year of clinical experience (as verified by the hospital) will confer 30 semester credit hours that are included in 120 semester credit hour graduation requirement. The program leading to the degree of Bachelor of Science in Medical Technology consists of 71 or 73 semester credit hours (30 being clinical) and satisfactory fulfillment of university graduation requirements.

## BIOLOGY MINOR

A biology minor shall consist of a choice by the student of two of the three basic biology courses (BIOL-101, BIOL-102 and BIOL-103) plus an additional four elective courses in biology. Three of the four courses must be laboratory courses. The minor in biology must total at least 18 semester hours.

Non-major courses, such as BIOL-104, BIOL-105, and BIOL-107 do not fulfill biology minor requirements.

A student following a biology minor is expected to consult regularly with a biology advisor in order to plan a study program and any deviation from the prescribed requirements must be approved by a departmental advisor prior to registration.

## Natural Science — Elementary Education

Students interested in preparing for a career teaching in elementary schools and specializing in natural science instruction may do so by completing the Natural Science — Elementary Education Track, as follows:

### Required Courses:

ESCI-211	Physical Geology (4)
CHEM-211	General Chemistry I (4)
BIOL-101	Biology of Cells
BIOL-102	Biology of Organisms
BIOL-103	Biology of Populations
PHYS-106	The Physical World: Laboratory (1)
PHYS-220	Physics for Elementary School Teachers I

### Additional Requirements:

Completion of additional 15 semester hours within participating departments, including at least one field course. Above to include at least one course from each of three different departments, with no more than 18 credits being earned in one department, including both required and elective courses.

Above to include for credit only those courses that are acceptable for credit in other science major programs or those courses that have been developed specifically for students in this program.

Elementary education requirements: 28 credit hours in professional education for certification.

# BUSINESS AND MANAGEMENT

The department of Business and Management offers a course of study in a liberal arts program leading to the degree of Bachelor of Arts. The department provides both versatile training in business subjects to help students prepare for jobs in business or admission to graduate schools as well as a substantial sequence of accounting courses to help prepare for the Certified Public Accountant's Examination.

A variety of undergraduate courses in four functional fields include accounting, finance, management, and marketing, in addition to some in areas that are especially relevant to women business majors and others designed for students not majoring in business, to benefit careers as well as personal lives. Two major areas of specialization offer a different mixture of coursework. Option I is designed for students interested in the more traditional business and management program, and Option II combines business and management courses with major programs outside the department.

The Business and Management Department recommends that its majors, in fulfilling the 30-hour basic program requirement, consider completing mathematics courses that enable them to

do practical mathematical computations related to the business world and humanities courses that will improve written and oral communication skills.

The department must evaluate all transfer courses that a transfer student hopes to apply to the major after evaluation by the Admissions Office. Students themselves are responsible for initiating the departmental evaluation of these transfer credits. Courses with grades below C are not acceptable toward the major requirements.

The business and management major consists of a core program and electives in the areas of accounting, finance, management, and marketing, which will expand further over the next five years. All courses are three semester credit hours unless otherwise noted in parentheses.

## MAJOR IN BUSINESS AND MANAGEMENT

### Required Courses:

B&MG-201	Accounting I
B&MG-202	Accounting II
B&MG-220	Introduction to Management
ECON-215	Principles of Macroeconomics
ECON-217	Principles of Microeconomics
ECON-305	Economic Statistics
B&MG-329	Operations Management
B&MG-340	Introduction to Marketing
B&MG-360	Introduction to Finance

Option I includes the satisfactory completion of an additional 21 semester credit hours of business and management electives for a total of 48 hours. Option II requires an additional six semester credit hours of business and management electives for a total of 33 semester credit hours and the completion of a major in another discipline.

### Electives\*

#### Accounting

B&MG-301	Introduction to Cost Accounting
B&MG-312	Advanced Cost Accounting
B&MG-303	Intermediate Accounting
B&MG-304	Intermediate Accounting II
B&MG-305	Consolidations and Partnerships
B&MG-306	Accounting for Non-Profit Organizations
B&MG-307	Auditing Theory
B&MG-308	Auditing Problems
B&MG-309	Contemporary Financial Accounting Issues
B&MG-310	Federal Income Taxes
B&MG-311	Advanced Federal Income Taxes

#### Management

B&MG-322	Organization Theory
B&MG-323	Systems Management
B&MG-324	Personnel Administration
B&MG-325	Current Issues in Business: Varies
B&MG-326	Management of Small Business
B&MG-327	Managing Human Resources

#### Marketing

B&MG-341	Purchasing and Materials Management
B&MG-342	Marketing Research
B&MG-343	Marketing Management
B&MG-344	Promotion and Consumer Behavior
B&MG-345	Advertising
B&MG-346	Physical Distribution
B&MG-347	Retailing
B&MG-348	Administration of the Sales Function

#### Finance

B&MG-361	Security Analysis
B&MG-362	Investment
B&MG-363	Risk Management and Insurance

#### Other

B&MG-380	Business Law I
B&MG-381	Business Law II
B&MG-382	The Changing Role of Women in Business

### Independent Study Courses

B&MG-386	Independent Study in Accounting
B&MG-387	Independent Study in Accounting (2)
B&MG-388	Independent Study in Accounting (1)

\*It should be noted that new courses are constantly developed and students seeking current listings should contact the department.

B&MG-389	Independent Study in Marketing
B&MG-390	Independent Study in Marketing (2)
B&MG-391	Independent Study in Marketing (1)
B&MG-392	Independent Study in Management
B&MG-393	Independent Study in Management (2)
B&MG-394	Independent Study in Management (1)
B&MG-395	Independent Study in Finance
B&MG-396	Independent Study in Finance (2)
B&MG-397	Independent Study in Finance (1)

## Economics

ECON-303	Economic Theory: National Income
ECON-304	Economic Theory: The Price System
ECON-306	Labor Economics
ECON-332	Government and Business

Students following Option 1 and graduating after the December 1976 trimester cannot apply more than nine semester credit hours of these courses toward the degree.

## TYPICAL FOUR-YEAR PROGRAM

### SECOND YEAR

#### Fall

*B&MG-201	Accounting I
*ECON-217	Principles of Microeconomics
*B&MG-220	Introduction to Management
MATH-102	Intermediate Algebra

#### Winter

*B&MG-202	Accounting II
*ECON-215	Principles of Macroeconomics
MATH-110	Finite Mathematics for Business and the Social Sciences

## THIRD YEAR

#### Fall

*B&MG-340	Introduction to Marketing
*B&MG-360	Introduction to Finance
MATH-106	Pre-Calculus Mathematics for the Non-Mathematics Major
One business and management elective	

#### Winter

*ECON-305	Economic Statistics
Two business and management electives	

## FOURTH YEAR

#### Fall

*B&MG-329	Operations Management
Two business and management electives	

#### Winter

Two business and management electives	
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\*Indicates core course

NOTE: Option II students should reduce the number of electives from seven to two.

The importance of complementary courses outside the department cannot be overstressed, and the correct choice will increase the likelihood of success both as a student and in the business world.

Examples of such complementary courses include mathematics courses recommended for students with one year of high school algebra and one year of high school geometry:

MATH-102	Intermediate Algebra
MATH-110	Finite Mathematics for Business and the Social Sciences
MATH-106	Pre-Calculus Mathematics for Non-Mathematics Majors

The department suggests that students who have completed a second year of high school algebra need not register for MATH-102, and business and management majors with more extensive mathematics backgrounds should register for more advanced courses. Those students who are not sure of their mathematics capabilities should contact the mathematics department for a placement examination.

The department also recommends completing courses in computer science, English, psychology, speech and performing arts, and other courses within the university, in order to fulfill the general elective requirements.



# CHEMISTRY

The department of Chemistry offers courses of study leading to the degrees of Bachelor of Science and Master of Science.

Programs are designed to prepare for careers in elementary and secondary level teaching, business and industry, and for graduate study. Undergraduate programs include a chemistry major in a liberal arts program, a chemistry major in a secondary education program, and a minor in chemistry. All courses are three semester credit hours unless indicated otherwise in parentheses.

## LIBERAL ARTS PROGRAM AND SECONDARY EDUCATION PROGRAMS

**Required Courses:**  
CHEM-211 General Chemistry I (4)  
CHEM-212 General Chemistry II (4)  
CHEM-213 Chemical Analysis (4)  
CHEM-231 Organic Chemistry I (4)  
CHEM-232 Organic Chemistry II (4)  
CHEM-351 Physical Chemistry I  
CHEM-352 Physical Chemistry Laboratory (2)  
CHEM-353 Physical Chemistry II

### Four semester credit hours selected from:

CHEM-316 Inorganic Chemistry  
CHEM-318 Industrial Chemistry  
CHEM-319 Instrumental Analysis: Spectroscopy  
CHEM-321 Experimental Inorganic Chemistry (1)  
CHEM-324 Instrumental Analysis: Quantitative Methods  
CHEM-328 History of Chemistry  
CHEM-332 Identification of Organic Compounds (4)  
CHEM-346 Radiochemistry (4)  
CHEM-347 Advanced Organic Chemistry: Polyfunctional Compounds  
CHEM-348 Advanced Organic Chemistry: Bio-organic Compounds

### Supporting minor requirements include:

MATH-113 Calculus I for Math Majors  
MATH-215 Calculus II for Math Majors (5)  
PHYS-201 College Physics I  
PHYS-202 College Physics II  
PHYS-203 Physics I Laboratory (1)  
PHYS-204 Physics II Laboratory (1)

**Additional courses required for secondary education program:** SCED-BIOL-303 Materials and Methods for Teaching High School Science (4). Liberal Arts majors must take an additional course in chemistry or a related field, to be approved by the department.

## MINOR IN CHEMISTRY

### Required Courses (18 semester credit hours)

CHEM-211 General Chemistry I (4)  
CHEM-212 General Chemistry II (4)  
CHEM-231 Organic Chemistry I (4)  
and at least six semester credit hours selected from required or elective courses for chemistry majors, including:  
CHEM-232 (4), or  
CHEM-213 (4), or both  
See the Graduate College section of this catalog for master's program in chemistry.

# EARTH SCIENCE

The department of Earth Science offers programs of study leading to the degrees of Bachelor of Science and Master of Science.

The department uses an integrated approach to the study of the problems of the entire earth and its environment through a synthesis of geology, meteorology and oceanography.

Curricula are designed to provide comprehensive training in earth science, including experimental and field studies; to prepare students not only for earth science teaching and graduate school, but also for careers in the energy, mineral and environmental fields. Major or advanced programs have the flexibility to meet student needs as determined by consultation with the members of the department.

The department currently has concentration options in geology including petrology-mineralogy, minerals and energy resources, water resources, structural geology-plate tectonics, soil studies, and environmental-lake and marine systems conforming with expertise of the faculty. Methodology and techniques of problem-solving in earth science is a basic philosophy common to our courses.

Undergraduates may choose a major program in earth science in either liberal arts or secondary education. All courses are three semester credit hours unless indicated otherwise in parentheses.

## LIBERAL ARTS MAJOR IN EARTH SCIENCE

This program provides a broad interdisciplinary education tailored to meet the needs of students from the metropolitan area.

### Required Courses:

ESCI-121 Earth Science I or ESCI-211 Physical Geology (4)  
ESCI-273 Meteorology I, ESCI-328 Marine Geology or G&ES-324 Oceanography I.

### Additional courses required for Liberal Arts program:

ESCI-214 Field Studies in Earth Science (2) or ESCI-323 Field Geology, satisfactory completion of 17-19 semester credit hours in earth science electives chosen in consultation with the student's advisor, and 15 semester credit hours in supporting sciences and mathematics (chemistry, physics, biology, mathematics), chosen with faculty advice, but at least one in each area.

## SECONDARY EDUCATION MAJOR IN EARTH SCIENCE:

This program is designed for preparing teachers to teach earth science at a secondary level.

### Required Courses:

ESCI-121 Earth Science I or  
ESCI-211 Physical Geology (4)  
ESCI-212 Historical Geology  
ESCI-273 Meteorology I  
ESCI-311 Mineralogy  
ESCI-319 Petrology  
ESCI-322 Economic Geology  
ESCI-328 Marine Geology or  
G&ES-324 Oceanography  
ESCI-329 Soil Science

### Earth Science electives (9 semester credit hours)

#### Supporting subjects required:

CHEM-211 General Chemistry I (4)  
PHYS-201 College Physics I  
PHYS-203 Physics I Laboratory (1)  
SCED-BIOL-303 Materials and Methods of Teaching High School Science (4)

Three credit hours are charged to professional education and one to earth science and 19 semester credit hours in professional education courses.\*

## MINOR IN EARTH SCIENCE

### Required Courses (18 semester credit hours)

ESCI-211 Physical Geology  
ESCI-214 Field Studies  
12 semester credit hours of supporting elective courses in consultation with a faculty advisor. Non-major courses such as ESCI-204 Man and His Physical Environment may not be applied to satisfy minor requirements. Students majoring in other programs are encouraged to minor in earth science as it is playing an increasingly important role in economic, environmental, and resource management fields throughout the world.

See Graduate College section of this catalog for information on the Master's program in earth science.

\*Chicago Board of Education certification in general science requires satisfactory completion of one course in zoology (theory and laboratory) and one course in botany (theory and laboratory).

# ECONOMICS

The department of Economics offers courses of study leading to the degree of Bachelor of Arts.

Economics, the social science that deals with production, ex-

change, and consumption of goods and services in a society, is concerned with allocating scarce resources among competing end uses of these resources. Courses in the department are designed to describe and explain the economic aspects of such problems as unemployment, inflation, international monetary crises, poverty, and pollution, and then to analyze proposed solutions from the perspectives of the household, the business firm, urban society, and national and international economics.

Undergraduate programs in economics begin preparing students for careers as economists, lawyers, businessmen, or teachers and to support other departments. A student may choose a major in economics in a liberal arts program, a double major in economics and business in the liberal arts program, or a minor in economics. The prerequisite for a major in economics is satisfactory completion of three years or equivalent of high school mathematics. The department strongly recommends that students planning for graduate study in the field complete the equivalent of two years of college mathematics that includes differential and integral calculus. Students not planning study beyond the baccalaureate level should complete at least one year of college mathematics. All courses are three semester credit hours.

## LIBERAL ARTS MAJOR IN ECONOMICS

### Required Courses:

ECON-215 Principles of Macroeconomics  
ECON-217 Principles of Microeconomics  
ECON-303 Economic Theory — National Income  
ECON-304 Economic Theory — The Price System  
ECON-305 Economic Statistics

### Electives:

Five courses (15 semester credit hours) with no more than two in Development (i.e., from among ECON-302, ECON-323, ECON-324). Electives may be selected from among:

ECON-302 Economic Development  
ECON-306 Labor Economics  
ECON-307 Money and Banking  
ECON-308 Comparative Economic Systems  
ECON-309 Public Finance  
ECON-310 Quantitative Methods in Economics  
ECON-312 Mathematical Economics  
ECON-313 Economic History of Europe  
ECON-314 The Development of Economic Thought  
ECON-315 American Capitalism  
ECON-318 Introduction to Econometrics and Forecasting  
ECON-322 International Economics  
ECON-323 Economic Development of East Asia  
ECON-324 Modern Economic Development in the Middle East  
ECON-331 American Economic History  
ECON-332 Government and Business  
ECON-333 Urban Economics  
ECON-334 Cost Benefit Analysis

## MINOR IN ECONOMICS:

### Required Courses (18 semester credit hours):

ECON-215 Principles of Macroeconomics  
ECON-217 Principles of Microeconomics  
ECON-305 Economic Statistics  
and nine semester credit hours (three courses) of electives selected from 300-level economics courses, excluding ECON-311. Students may not take more than one course in Development (i.e., from among ECON-302, ECON-323, ECON-324) for the minor.

# ENGLISH

The department of English offers courses of study leading to the degrees of Bachelor of Arts and Master of Arts.

Programs are designed to create familiarity and understanding of our literary heritage and the principles of criticism and appreciation. Studying authors and their works within the cultural framework that helps to explain them, undergraduate students are concerned primarily with the principles and methods that enable analysis and appreciation of individual works of poetry, fiction, and drama. The department is also responsible for the English Language Program. A student may choose a major in English in either a liberal arts program or a secondary education program and a minor in a secondary education program.

Both programs consist of 30 semester credit hours, and courses in the department are three semester credit hours unless indicated otherwise in parentheses.

## LIBERAL ARTS PROGRAM

### Required Course:

ENGL-229 Practical Criticism

### Electives

Select 27 semester credit hours of English electives; not more than nine semester credit hours of 200-level courses will be credited toward program requirements.

## SECONDARY EDUCATION PROGRAM

### Required Course:

ENGL-229 Practical Criticism

### Electives

Select 27 semester credit hours of electives in literature, but not more than nine semester credit hours of English.

200-level courses will be credited toward program requirements.

See Graduate College section in this catalog for information about Masters programs in literature and teaching language arts.

# FOREIGN LANGUAGES

The department of Foreign Languages offers courses of study leading to the degree of Bachelor of Arts.

Advanced foreign language study can perfect the communication skills acquired in basic courses, acquaint students with masterpieces of literature and special topics, and develop an understanding of the principle differences and similarities between foreign and American cultures. Students can prepare for teaching or other careers enhanced by a foreign language background. An undergraduate may choose a major in French or Spanish in either a liberal arts or secondary education program, a concentration in Spanish in an elementary education program, or a minor in French, German, Italian, Russian, or Spanish. All language courses are three semester credit hours.

All transfer students who major in a foreign language must take a minimum of 15 hours of course work in foreign language at Northeastern. Transfer students who minor in a foreign language must take a minimum of nine hours.

The department offers several culture and literature courses in English. No knowledge of a foreign language is necessary for these courses. See the Course Description Catalog.

## FRENCH

## LIBERAL ARTS PROGRAM

### Required Courses:

FL-FREN-313 Étude de morphologie de syntax et de style  
FL-FREN-319 Histoire de la civilisation française  
FL-FREN-321 Initiation à la littérature française I-XVII siècle  
FL-FREN-322 Initiation à la littérature française II-XVIII siècle  
FL-FREN-333 Initiation à la littérature française III-XIX siècle

### Electives:

Fifteen semester credit hours in French

## SECONDARY EDUCATION PROGRAM

### Required Courses:

FL-FREN-311 Conversation and Composition I  
FL-FREN-312 Conversation and Composition II  
FL-FREN-313 Étude de morphologie de syntax et de style  
FL-FREN-317 La phonétique française  
FL-FREN-328 Masterpieces of French Literature  
FL-FREN-372 Applied French Linguistics

### Electives:

Twelve semester credit hours in French

## MINOR IN FRENCH

Twenty-one semester credit hours selected in consultation with a language advisor according to student's specific objectives and complementing the major.



**MINOR IN GERMAN**

Twenty-one semester credit hours selected in consultation with a language advisor according to the student's specific objectives and complementing the major.

**MINOR IN ITALIAN**

Twenty-one semester credit hours selected in consultation with a language advisor according to student's specific objectives and complementing the major.

**LATIN**

This program is in an initial stage. For the courses available see the Course Description Catalog.

**MINOR IN RUSSIAN**

Twenty-one semester credit hours selected in consultation with a language advisor according to student's specific objectives and complementing the major.

**SPANISH****LIBERAL ARTS PROGRAM**

Students will be given a proficiency test at outset of program. Accordingly students will be placed in program A or B.

**PROGRAM A****Required Courses:**

FL-SPAN-220	Spanish Conversation I
FL-SPAN-224	Intensive Course in the Reading of Spanish
FL-SPAN-228	Spanish Composition I
FL-SPAN-310	Spanish Conversation II
FL-SPAN-312	Spanish Conversation III
FL-SPAN-315	Spanish Composition II
FL-SPAN-329	Introduction to Spanish American and Spanish Literature

**Electives:**

Nine semester credit hours in Spanish

**PROGRAM B****Required Courses:**

FL-SPAN-224	Intensive Course in the Reading of Spanish
FL-SPAN-228	Spanish Composition I
FL-SPAN-312	Spanish Conversation III
FL-SPAN-315	Spanish Composition II
FL-SPAN-316	Extensive Reading in Spanish
FL-SPAN-317	Spanish Composition III
FL-SPAN-329	Introduction to Spanish American and Spanish Literature

**Electives:**

Nine semester credit hours in Spanish

**SECONDARY EDUCATION PROGRAM**

Students will be given a proficiency test at outset of program. Accordingly students will be placed in program A or B.

**PROGRAM A****Required Courses:**

FL-SPAN-220	Spanish Conversation I
FL-SPAN-224	Intensive Course in the Reading of Spanish
FL-SPAN-228	Spanish Composition I
FL-SPAN-310	Spanish Conversation II
FL-SPAN-312	Spanish Conversation III
FL-SPAN-315	Spanish Composition II
FL-SPAN-319	Applied Spanish Linguistics
FL-SPAN-329	Introduction to Spanish American and Spanish Literature

**Electives:**

Six semester credit hours in Spanish

**PROGRAM B****Required Courses:**

FL-SPAN-224	Intensive Course in the Reading of Spanish
FL-SPAN-228	Spanish Composition I
FL-SPAN-312	Spanish Conversation III
FL-SPAN-315	Spanish Composition II
FL-SPAN-316	Extensive Reading in Spanish
FL-SPAN-317	Spanish Composition III
FL-SPAN-319	Applied Spanish Linguistics
FL-SPAN-329	Introduction to Spanish American and Spanish Literature

**Electives:**

Six semester credit hours in Spanish

**ELEMENTARY EDUCATION PROGRAM**

Students will be given a proficiency test at outset of program. Accordingly students will be placed in program A or B.

**PROGRAM A****Required Courses:**

FL-EFLM-372	Fundamental Skills. Methods of Teaching Modern Foreign Language in Elementary Schools
FL-SPAN-220	Spanish Conversation I
FL-SPAN-224	Intensive Course in the Reading of Spanish
FL-SPAN-228	Spanish Composition I
FL-SPAN-310	Spanish Conversation II
FL-SPAN-312	Spanish Conversation III
FL-SPAN-315	Spanish Composition II
FL-SPAN-319	Applied Spanish Linguistics
FL-SPAN-329	Introduction to Spanish American and Spanish Literature

**PROGRAM B****Required Courses:**

FL-EFLM-372	Fundamental Skills. Methods of Teaching Modern Foreign Language in Elementary Schools
FL-SPAN-224	Intensive Course in the Reading of Spanish
FL-SPAN-228	Spanish Composition I
FL-SPAN-312	Spanish Conversation III
FL-SPAN-315	Spanish Composition II
FL-SPAN-316	Extensive Reading in Spanish
FL-SPAN-317	Spanish Composition III
FL-SPAN-319	Applied Spanish Linguistics
FL-SPAN-329	Introduction to Spanish American and Spanish Literature

## GEOGRAPHY AND ENVIRONMENTAL STUDIES

The department of Geography and Environmental Studies offers courses leading to the degrees of Bachelor of Arts and Master of Arts and provides one important ingredient of a liberal education, develops undergraduate and graduate programs of professional geography and environmental studies, trains teachers, and assists related disciplines in enriching their programs.

The two options available for undergraduates are a major in geography and environmental studies in a liberal arts program and a major in geography and environmental studies in a secondary education program. The department requires all majors to satisfactorily complete 30 semester credit hours in the department, which include at least six semester credit hours of regional geography. A career concentration in environmental studies is also available. See department chairperson for details.

**LIBERAL ARTS PROGRAM****Required Courses:**

Nine semester credit hours in physical geography, nine semester credit hours in human geography, and six semester credit hours in departmental electives.

Concentrations offered within the liberal arts program include environmental studies, urban studies, physical geography, and regional studies.

**SECONDARY EDUCATION PROGRAM****Required Courses:**

Six semester credit hours in physical geography, six semester credit hours in human geography, six semester credit hours in geography electives, six semester credit hours in departmental or related fields.

Information about the Master's program in geography and environmental studies may be found in the Graduate College section of this catalog.

## HISTORY

The department of History offers courses leading to the degrees of Bachelor of Arts and Master of Arts. The department of history offers a multi-faceted program of traditional, innovative, and experimental courses that complement all disciplines offered at Northeastern Illinois University. The focus of the academic training is to acquaint the student with the past and contemporary development of institutions, ideas, and society. All areas of the globe as well as all time periods are covered in the department's attempt to provide a comprehensive list of offerings to the history student. Students with a background in history easily find employment opportunities in publishing, journalism, law, business, commerce and industry, as well as teaching.

The department of history provides advisement in coursework and programs designed to equip the student for a variety of careers and for graduate and professional training. The two undergraduate programs available are a major in history in a liberal arts or secondary education program, in addition to a minor in history. All courses are three semester credit hours.

**LIBERAL ARTS AND****SECONDARY EDUCATION PROGRAM**

**Courses required for both programs (36 semester credit hours) are distributed as indicated:**

**Six semester credit hours in European history:**

HIST-111	Currents in Western Civilization, 3000 B.C.-1500 A.D.
HIST-112	Currents in Western Civilization, 1500 A.D.-Present

**Six semester credit hours in United States history****Select two from:**

HIST-214	United States History, 1607-1877
HIST-215	United States History, 1877-Present
HIST-302	History of Afro-American to 1877
HIST-303	History of Afro-Americans Since 1877

**Six semester credit hours in non-European and non-United States history**, which may be chosen from such areas as Latin America, Asia, Africa, The Black in World History, etc.

The remaining 18 semester credit hours chosen from 300-level electives in history with the consent of an advisor.

**Additional requirements for secondary education program:**

Illinois law requires that those seeking permanent certification in Illinois must successfully pass a test on the Illinois Constitution or take either PSCI-AMER-216 American National Government or PSCI-COMP-211 Comparative Political Systems.

Students planning to teach in the city of Chicago must keep in mind the requirements in **history** and **political science**, for certification.

The publication, *Specific Requirements for Regular Certification—Teachers in High Schools*, includes the following statement: "A candidate taking the history examination must present 32 semester hours of college credit in history, eight semester hours in European history and eight semester hours in political science. The balance of the 32 hours may be in any history the candidate may elect to present."

Students who have successfully taken a college-level course in either United States history or western civilization, or who pass a qualifying examination administered by this department in these subjects may substitute a 300-level history course in the same area.

**Areas of Concentration****AFRO-ASIAN**

**Choose 18 hours from any or all of the following three categories:**

- Courses with un-varied titles
 

HIST-104	History of Eastern Culture
HIST-216	The Black in World History
HIST-302	History of Afro-Americans to 1877
HIST-303	History of Afro-Americans Since 1877
HIST-317	History of the Second World War
HIST-322	Japanese Intellectual History
HIST-325	The World in the Twentieth Century
HIST-326	History of Pre-Modern China
HIST-328	History of Africa

HIST-329	The United States in the World Arena Since 1945
HIST-339	Undergraduate Historical Method and Historiography
HIST-363	Intellectual History of Traditional China
HIST-364	Modern Chinese History
HIST-380	History of Japan
HIST-381	United States Foreign Relations, 1775 to 1898
HIST-382	United States Foreign Relations, 1898 to 1945
HIST-385	History of Modern Chinese Thought
HIST-386	Buddhism in East Asia

- History tutorials, practicums and independent study
 

HIST-333, HIST-334, HIST-336, HIST-337, HIST-338, HIST-360, HIST-361, HIST-394, HIST-395, HIST-396
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- Title varies courses with the appropriate sub-titles
 

HIST-340, HIST-345, HIST-350, HIST-378, HIST-379, HIST-387, HIST-391, HIST-392, HIST-393
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**ANCIENT, MEDIEVAL AND EARLY MODERN EUROPEAN**

**Choose 18 hours from the following:**

- Courses with un-varied titles
 

HIST-305	History of Rome
HIST-306	Europe during the Ancient Regime—17th and 18th Centuries
HIST-311	Ancient Greece from 3000 B.C. to 146 B.C.
HIST-313	Medieval Europe
HIST-330	Ancient Near Eastern World
HIST-331	The Ancient Mediterranean World
HIST-335	Historical Archaeology of Ancient Greece
HIST-339	Undergraduate Historical Method and Historiography
HIST-346	History of England to 1688
HIST-349	Tudor England
HIST-351	History of Ancient Palestine
HIST-356	Stuart England
HIST-365	The Renaissance
HIST-366	The Age of the Reformation
HIST-374	Ancient Mesopotamian Civilization, 4000 B.C. to 539 B.C.
HIST-375	Ancient Egyptian Civilization, 3500 B.C. to 322 B.C.

- History tutorials, practicums, and independent study
 

HIST-333, HIST-334, HIST-336, HIST-337, HIST-338, HIST-360, HIST-361, HIST-394, HIST-395, HIST-396
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- Title varies courses with the appropriate sub-titles
 

HIST-340, HIST-345, HIST-350, HIST-378, HIST-384, HIST-391, HIST-392, HIST-393
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**ASIAN**

**Choose 18 hours from any or all of the following three categories:**

- Courses with un-varied titles
 

HIST-104	History of Eastern Culture
HIST-317	History of the Second World War
HIST-322	Japanese Intellectual History
HIST-325	The World in the Twentieth Century
HIST-326	History of Pre-Modern China
HIST-339	Undergraduate Historical Method and Historiography
HIST-363	Intellectual History of Traditional China
HIST-364	Modern Chinese History
HIST-380	History of Japan
HIST-385	History of Modern Chinese Thought
HIST-386	Buddhism in East Asia

- History tutorials, practicums and independent study
 

HIST-333, HIST-334, HIST-336, HIST-337, HIST-338, HIST-360, HIST-361, HIST-394, HIST-395, HIST-396
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- Title varies courses with the appropriate sub-titles
 

HIST-340, HIST-345, HIST-350, HIST-378, HIST-379, HIST-391, HIST-392, HIST-393
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**BRITISH**

**Choose 18 hours from any or all of the following three categories:**

- Courses with un-varied titles
 

HIST-317	History of the Second World War
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- HIST-319 Europe in the Age of Revolution, 1789-1871  
 HIST-320 Europe in the Age of Imperialism, 1871-1919  
 HIST-321 Europe in the Age of Ferment, 1919-Present  
 HIST-339 Undergraduate Historical Method and Historiography  
 HIST-346 History of England to 1688  
 HIST-347 History of England from 1688 to the Present  
 HIST-348 From Empire to Commonwealth  
 HIST-349 Tudor England  
 HIST-356 Stuart England  
 HIST-367 The Constitutional History of England  
 HIST-376 Diplomatic History of Europe, 1815-1914  
 HIST-377 Diplomatic History of Europe, 1914-Present  
 HIST-381 United States Foreign Relations, 1775 to 1898  
 HIST-382 United States Foreign Relations, 1898 to 1945

2. History tutorials, practicums and independent study  
 HIST-333, HIST-334, HIST-336, HIST-337, HIST-338, HIST-360, HIST-361, HIST-394  
 3. Title varies courses with the appropriate sub-titles  
 HIST-340, HIST-345, HIST-350, HIST-378, HIST-379, HIST-391, HIST-392, HIST-393

**MODERN EUROPEAN****Choose 18 hours from the following:**

1. HIST-306 Europe during the Ancient Regime—17th and 18th Centuries  
 HIST-314 History of Modern France, 1789-1870  
 HIST-317 History of the Second World War  
 HIST-319 Europe in the Age of Revolution, 1789-1871  
 HIST-320 Europe in the Age of Imperialism, 1871-1919  
 HIST-321 Europe in the Age of Ferment, 1919-Present  
 HIST-323 History of Modern France: 1870-Present  
 HIST-325 The World in the Twentieth Century  
 HIST-339 Undergraduate Historical Method and Historiography  
 HIST-357 The History of Prussia-Germany, 1640-1918  
 HIST-358 Russian History from the Varangians to 1855  
 HIST-359 Russian and Soviet History, 1855 to the Present  
 HIST-362 Intellectual History of Europe, 1789 to Present  
 HIST-368 The Hapsburg Monarchy, 1618-1918  
 HIST-369 Twentieth Century Germany  
 HIST-372 Italy Since the Napoleonic Era  
 HIST-376 Diplomatic History of Europe, 1815-1914  
 HIST-377 Diplomatic History of Europe, 1914-Present  
 HIST-381 United States Foreign Relations, 1775 to 1898  
 HIST-382 United States Foreign Relations, 1898 to 1945  
 2. History tutorials, practicums, and independent study  
 HIST-333, HIST-334, HIST-336, HIST-337, HIST-338, HIST-360, HIST-361, HIST-394, HIST-395, HIST-396  
 3. Title varies courses with the appropriate sub-titles  
 HIST-340, HIST-345, HIST-350, HIST-378, HIST-379, HIST-384, HIST-391, HIST-392, HIST-393

**LATIN AMERICAN****Choose 18 hours from the following:**

1. Courses with un-varied titles:  
 HIST-352 Latin America to 1825  
 HIST-353 Latin America Since 1825  
 HIST-354 Central American and the Caribbean  
 HIST-355 History of Mexico  
 HIST-467 Readings in Latin American History  
 HIST-471 Seminar in Latin American History  
 2. History tutorials, practicums, and independent study  
 HIST-333, HIST-334, HIST-336, HIST-337, HIST-338, HIST-360, HIST-361, HIST-394, HIST-395, HIST-396  
 3. Title varies with appropriate sub-titles  
 HIST-340, HIST-345, HIST-350, HIST-378, HIST-379, HIST-391, HIST-392, HIST-393

**GENERAL****Choose 18 hours from the course offerings at the 300 level:**  
 (HIST-301—HIST-399)**AFRO-AMERICAN****Choose 18 hours from the following:**

1. Courses with un-varied titles  
 HIST-216 The Black in World History

- HIST-302 History of Afro-Americans to 1877  
 HIST-303 History of Afro-Americans Since 1877  
 HIST-317 History of the Second World War  
 HIST-325 The World in the Twentieth Century  
 HIST-328 History of Africa  
 HIST-329 The United States in the World Arena since 1945  
 HIST-339 Undergraduate Historical Method and Historiography  
 HIST-344 The History of the South, 1877 to Present  
 HIST-381 United States Foreign Relations, 1775-1898  
 HIST-382 United States Foreign Relations, 1898-1945

2. History tutorials, practicums and independent study  
 HIST-333, HIST-334, HIST-336, HIST-337, HIST-338, HIST-360, HIST-361, HIST-394, HIST-395, HIST-396  
 3. Title varies courses with the appropriate sub-titles  
 HIST-340, HIST-345, HIST-350, HIST-378, HIST-379, HIST-390, HIST-391, HIST-392, HIST-393

**POPULAR CULTURE****Choose 18 hours from the following:**

1. HIST-102 History of Popular Culture  
 HIST-340 Studies in History: From Jazz to Rock: Popular Music in American History  
 HIST-340 Studies in History: Hollywood as History: Movies and American Society, 1930-1945  
 HIST-390 Pro-Seminar in American History: Cinema and Society: Motion Pictures and American History, 1945-1960  
 HIST-390 Pro-Seminar in American History: Popular Culture and Counter-Culture: America in the Age of Rock  
 HIST-390 Pro-Seminar in American History: Studies in American Popular Culture: Electric America: Radio and T.V. in American History  
 HIST-340 Studies in History: Women in Film: From the Silent to the Seventies  
 HIST-390 Pro-Seminar in American History: Women in Popular Culture  
 2. History tutorials, practicums, and independent study  
 HIST-333, HIST-334, HIST-336, HIST-337, HIST-338, HIST-360, HIST-361, HIST-394, HIST-395, HIST-396  
 3. Title varies courses with the appropriate sub-titles  
 HIST-340, HIST-345, HIST-350, HIST-378, HIST-379, HIST-390, HIST-391, HIST-392, HIST-393

**UNITED STATES****Choose 18 hours from United States history courses at the 300-level.****WOMEN'S STUDIES****Choose 18 hours from the following:**

1. Courses with un-varied titles  
 HIST-340 Studies in History: Women in Popular Culture  
 HIST-383 Women in American History  
 HIST-390 Pro-Seminar in American History: Women in Films  
 HIST-345 Historical Perspectives: Women Intellectuals in America  
 HIST-464 Reading in 20th Century American History: Women's History  
 HIST-481 Research Seminar in Women's History  
 2. History tutorials, practicums and independent study  
 HIST-333, HIST-345, HIST-360, HIST-361, HIST-378, HIST-390, HIST-391, HIST-392, HIST-393  
 3. Title varies courses with the appropriate sub-titles  
 HIST-340, HIST-345, HIST-480

**MINOR IN HISTORY****Satisfactorily complete any 18 hours of history courses**

## HUMAN SERVICES

The Human Services Program offers courses leading to the degree of Bachelor of Arts.

The program in Human Services is designed to provide the student with an interdisciplinary curriculum stressing a **generalist**

approach to the identification and solution of problems.

A unique aspect of the Human Services Program is the integral relationship between university coursework and field experience in the community. This combination of class and community work unites educationally the theoretical and practical, the university and the human condition, in every course within the program. The program prepares students for varying aspects of the helping professions such as, individual and family counseling, community organization, community planning, crime prevention, social service, and health care administration.

Each course is designed for five credit hours: three hours are spent in class and six hours in an internship. Internships are worked out with the student to offer a wide variety of experiences with grass roots organizations, community organizations, and social agencies.

The goal of the program is to produce trained individuals and leaders with the skills to be efficient and creative in introducing change and in problem-solving.

**HUMAN SERVICES PROGRAM****Required Courses (10 semester credit hours):**

- HSRV-200 Introduction to Human Services (effective 1/77)  
 HSRV-202 Principles and Methods of Community Organizing I

**Electives (25 semester credit hours):**

- HSRV-302 Principles and Methods of Community Organizing II  
 HSRV-303 Analysis of a Multi-Ethnic and Cultural Ghetto Community  
 HSRV-304 Group Dynamics in Community Work  
 HSRV-305 Inter-Personal Skills in Community Work  
 HSRV-306 Oppressed Communities  
 HSRV-307 Community Resources I  
 HSRV-308 Community Resources II  
 HSRV-309 Community Planning and Development I  
 HSRV-319 Community Planning and Development II  
 HSRV-311 History and Cultures of Native-Americans  
 HSRV-312 History and Cultures of Hispanic-Americans  
 HSRV-313 History and Cultures of Southern White Migrants  
 HSRV-314 History and Cultures of Blue-Collar Working Class  
 HSRV-315 Internship in Human Services: Varies

## INFORMATION AND COMPUTER SCIENCE

The department of Information and Computer Science offers courses leading to the degree of Bachelor of Science.

An undergraduate may choose a major in information and computer science with an area of concentration in computer science, business data processing, or systems programming; or a minor in computer science. A major requires 36 semester credit hours specified by the faculty advisor in consultation with the student.

The program is based on recognition of the increasing role of the computer as a research tool in most scholarly disciplines and the potential of the computer as a problem-solving aid. Program objectives include introducing the basic concepts of computer science, developing the ability to decide when to use computer devices, and creating knowledge and understanding of maximally efficient project design.

Students in any college can benefit from studying computer courses and learning applications of computer methods. All courses are three semester credit hours.

**INFORMATION AND COMPUTER SCIENCE MAJOR****Courses Offered:**

- INSC-100 Computers and Society (effective 1/77)  
 INSC-101 Introduction to Computer Science  
 INSC-102 Basic Data Processing  
 INSC-202 COBOL Programming  
 INSC-203 PL/I Programming  
 INSC-204 FORTRAN Programming  
 INSC-205 Assembler Language Programming  
 INSC-206 RPG Programming  
 INSC-207 Algorithmic Processes

- INSC-208 Introduction to Non-Numerical Programming  
 INSC-301 Computer Concepts  
 INSC-302 Systems Programming  
 INSC-303 Basic Concepts of Computer-Assisted Instruction  
 INSC-304 Introduction to Data Structures  
 INSC-305 Computer Logic and Circuitry  
 INSC-306 Advanced Assembler Programming  
 INSC-307 Advanced Programming Techniques  
 INSC-308 Operating Systems  
 INSC-309 Compiler Theory  
 INSC-310 Topics in Computer Science: Varies  
 INSC-312 Advanced COBOL Programming  
 INSC-313 Quantitative Methods and Computer Use  
 INSC-314 Independent Study in Computer Science  
 INSC-316 Introduction to Systems Analysis  
 INSC-317 Operating Systems Theory  
 INSC-318 JCL and Service Programs  
 INSC-319 Top-down Structured Programming  
 INSC-320 Advanced PL/I Programming (effective 1/77)  
 INSC-322 Statistical Computer Program Packages  
 INSC-326 Computer Use for Numerical Methods  
 INSC-332 General Systems Theory  
 INSC-401 Systems Analysis  
 INSC-410 Computers in the Academic Environment

**Required Courses:** Satisfactorily complete

- INSC-101 Introduction to Computer Science **or**  
 INSC-102 Basic Data Processing  
**two from**

- INSC-202 COBOL Programming  
 INSC-203 PL/I Programming  
 INSC-204 FORTRAN Programming, **and each of**  
 INSC-205 Assembler Language Programming  
 INSC-207 Algorithmic Processes  
 INSC-313 Quantitative Methods and Computer Use

**Area of Concentration****BUSINESS DATA PROCESSING**

- INSC-102 Basic Data Processing  
 INSC-202 COBOL Programming  
 INSC-203 PL/I Programming  
 INSC-205 Assembler Language Programming  
 INSC-207 Algorithmic Processes  
 INSC-313 Quantitative Methods and Computer Use  
 INSC-306 Advanced Assembler Programming  
 INSC-307 Advanced Programming Techniques  
 INSC-312 Advanced COBOL Programming  
 INSC-316 Introduction to Systems Analysis  
**select two from**

- INSC-304 Introduction to Data Structures  
 INSC-308 Operating Systems  
 INSC-3— (elective)

**SYSTEMS PROGRAMMING**

- INSC-101 Introduction to Computer Science  
 INSC-202 COBOL Programming  
 INSC-203 PL/I Programming  
 INSC-205 Assembler Language Programming  
 INSC-207 Algorithmic Processes  
 INSC-313 Quantitative Methods and Computer Use  
 INSC-302 Systems Programming  
 INSC-304 Introduction to Data Structures  
 INSC-306 Advanced Assembler Programming  
 INSC-314 Independent Study in Computer Science  
**select two from:**

- INSC-308 Operating Systems  
 INSC-318 JCL and Service Programs  
 INSC— (elective)

**GENERAL COMPUTER SCIENCE**

- INSC-101 Introduction to Computer Science  
 INSC-203 PL/I Programming  
 INSC-204 FORTRAN Programming  
 INSC-205 Assembler Language Programming  
 INSC-207 Algorithmic Processes  
 INSC-313 Quantitative Methods and Computer Use  
 INSC-304 Introduction to Data Structures  
 INSC-305 Computer Logic and Circuitry  
 and 12 semester credit hours of electives in the department

**MINOR IN INFORMATION AND COMPUTER SCIENCE**

A student may complete a minor program in Information and Computer Science by selecting courses totalling at least 18



credit hours from those offered by the Department of Information Science. The student must obtain approval for this list of courses from a departmental advisor **before** beginning the program.

## JUDAIC STUDIES

In cooperation with Spertus College of Judaica, the university offers courses of study in Judaic and Hebraic studies that lead to the degree of Bachelor of Arts.

This program offers students an opportunity to study in five areas and options for a general major or a specialization in Hebrew language, literature, Biblical studies, and culture.

Requirements for this degree include satisfactorily completing university graduation requirements; 90 quarter (60 semester) credit hours that include 24 quarter (16 semester) hours of Hebrew language; 18 quarter (12 semester) credit hours in each of two of the following areas: Bible, Hebrew literature, Jewish history, Jewish thought, and Talmud; in addition to 30 quarter (20 semester) credit hours in the other three areas — 12 in one area and nine in each of the other two.

Additional information is available from the English Department chairperson, and the catalog of Spertus College of Judaica.

## LINGUISTICS

The department of Linguistics offer courses leading to the degrees of Bachelor of Arts and Master of Arts.

Undergraduate programs in linguistics introduce the nature of language, the principles and methods of linguistic study; the phonological and syntactic structure of language in general as well as on the structure of particular languages, with special emphasis on the English language; comparative and historical linguistics; and applied linguistics. The liberal arts major in linguistics is designed for students seeking intensive training in linguistic theory and applied linguistics. This program provides background for general use or preparation for graduate study. The secondary education linguistics major is designed to prepare prospective English teachers, or teachers of English as a Second Language, or teachers of reading at the high school level. There is also offered an area of concentration for prospective elementary school language arts teachers. Students may consult the departmental advisor to arrange a program that combines linguistics and literature studies. The bachelor's degree in all cases requires satisfactorily completing 33 semester credit hours in linguistics. All courses offered are three semester credit hours.

### LIBERAL ARTS AND SECONDARY EDUCATION MAJORS

#### Required Courses:

LING-101 Introduction to General Linguistics  
LING-211 Introduction to Phonology  
LING-212 History of the English Language  
LING-213 Introduction to Syntax

**Additional courses required for liberal arts program:**  
LING-327 Seminar in Linguistics: Varies, and six semester credit hours of linguistics electives.

The department encourages students to complete a minor (15 semester credit hours) in anthropology, English, foreign language, psychology, or speech pathology.

#### Additional courses required for secondary education program:

READ-301 Teaching Reading in Junior and Senior High School  
LING-306 Linguistics and Reading (cross listed in the Reading Department as READ-306). In addition, the department recommends that students with a special interest in reading take:  
READ-311 Fundamentals of Reading Instruction  
COUN-321 Diagnosis and Treatment of Reading Difficulties and either  
READ-312 Classroom Evaluation of Reading or  
READ-313 Materials for Reading

### MINOR IN LINGUISTICS

To be most effective, courses for a linguistics minor should vary according to the student's major, with no fixed requirements. The department recommends LING-213 Introduction to Syntax for all majors along with other courses selected in consultation with both the major advisor and the linguistics advisor, using the suggestions below as guides.

#### Additional courses suggested for various majors:

##### Psychology

LING-211 Introduction to Phonology  
LING-312 The Science of Voice and Sounds  
LING-325 The Child's Acquisition of Language

##### Social Sciences (anthropology, sociology, and possibly general social science, American studies, history)

LING-201 Language and Culture  
LING-203 The Development of American English  
LING-344 Historical Linguistics or  
LING-212 History of the English Language

##### Speech and Performing Arts

LING-211 Introduction to Phonology  
LING-316 Language and Literature

##### Speech (Liberal Arts Major with a Concentration in Communicative Disorders)

LING-211 Introduction to Phonology  
LING-213 Introduction to Syntax  
LING-312 The Science of Speech and Sounds

##### Bilingual/Bicultural Program

A 12 semester credit hour minor sequence in linguistics for undergraduates preparing to teach in bilingual education and others interested in teaching English as a second language includes:

LING-255 English Phonology and Morphology  
LING-250 English Syntax  
LING-304 Teaching English as a Second Language  
LING-306 Linguistics and Reading (cross listed in the Reading Department as READ-306)

These courses have no prerequisites, but it is recommended that students complete:  
LING-101 Introduction to General Linguistics first, if possible, and, where possible, take 200-level courses before 300-level courses.

##### English

LING-211 Introduction to Phonology  
LING-212 History of the English Language  
LING-316 Language and Literature  
LING-203 Development of American English

##### Foreign Language

LING-211 Introduction to Phonology  
LING-212 History of the English Language or  
LING-203 The Development of American English  
LING-201 Language and Culture  
LING-344 Historical Linguistics

##### Philosophy, Mathematics:

LING-201 Language and Culture

The Master's program in linguistics and its several sequences are detailed in the Graduate College section of this catalog.

## MATHEMATICS

The department of Mathematics offers courses leading to the degrees of Bachelor of Arts, Master of Arts, and Master of Science.

An undergraduate may choose a mathematics major in a liberal arts program, which provides preparation for graduate study and certain careers in mathematics; a mathematics major in a secondary education program; or a concentration in mathematics in an elementary education program. Recognizing student's varying interests and backgrounds, the department requires students to consult an undergraduate major advisor before registering for any course. All courses are three semester credit hours unless indicated otherwise in parentheses.

### ALL PROGRAMS

#### Required Courses (24 semester credit hours)

MATH-121 Foundations of Mathematics (5)  
MATH-113 Calculus I for Math Majors\*  
MATH-215 Calculus II for Math Majors (5)  
MATH-335 Calculus of Several Variables (5)  
MATH-312 Foundations of Geometry  
MATH-331 Foundations of Algebra I

#### Additional courses required for liberal arts and secondary education programs:

MATH-325 Foundations of Analysis I

**Electives:** six semester credit hours at 300-level

**Additional courses required for elementary education program:** None. See the Graduate College section of this catalog for details of the Master's program in mathematics leading to the degrees of Master of Arts and Master of Science.

\*A student who has successfully completed MATH-113 may not register for MATH-101, MATH-104, or MATH-105.

## MUSIC

The department of Music offers courses leading to the degree of Bachelor of Arts.

Programs are designed to combine musical knowledge with creative and functional musical experiences. The three programs available for undergraduates are a major in music in a liberal arts program with options in vocal or instrumental music, music theory, piano pedagogy, and music history and literature; a major in music in a secondary education program with options in vocal music and instrumental music; and a concentration in music in an elementary education program. **In addition to completing course requirements, students in all music programs are required each trimester to attend at least three department-sponsored programs and to participate in at least one ensemble activity.** Music courses are three semester credit hours unless otherwise indicated in parentheses. Additional information on music study is available from the chairperson of the department of music.

### LIBERAL ARTS OR SECONDARY EDUCATION MAJORS

#### Required Courses (Common to All Options):

MUS-112 Class Piano I (2) or  
MUS-152 Applied Music — Piano (2)  
MUS-113 Class Piano II (2) or  
MUS-152 Applied Music — Piano (2)  
MUS-121 Music Theory I  
MUS-122 Music Theory II  
MUS-201 Music Theory III  
MUS-203 Music Before 1750  
MUS-204 Music After 1750

### LIBERAL ARTS PROGRAM

#### OPTION I: VOCAL OR INSTRUMENTAL MUSIC (45 semester credit hours)

##### Required Courses (30 semester credit hours)

#### MUSIC THEORY (12 semester credit hours)

MUS-121 Music Theory I  
MUS-122 Music Theory II  
MUS-201 Music Theory III  
MUS-202 Music Theory IV or MUS-301 Counterpoint I

#### MUSIC HISTORY AND LITERATURE (6 semester credit hours)

MUS-203 Music Before 1750  
MUS-204 Music After 1750

#### APPLIED MUSIC (12 semester credit hours)

Private study in voice or instrument selected from:  
MUS-151 (1), MUS-152 (2), MUS-153 (3), or MUS-154 (4) and  
MUS-351 (1), MUS-352 (2), MUS-353 (3), or MUS-354 (4)

#### Related Area Courses (15 semester credit hours) PIANO (4 semester credit hours)

MUS-112 Class Piano I (2) or MUS-152 (2)  
MUS-113 Class Piano II (2) or MUS-152 (2)

### CONDUCTING (2 semester credit hours)

MUS-223 Instrumental Conducting (2) or MUS-224 Choral Conducting (2)

### APPLIED MUSIC (6 semester credit hours)

Study of one or more instruments in addition to the major instrument.

### Elective (3 semester credit hours)

One elective course in Music Theory or History and Literature of Music.

### OPTION II: MUSIC THEORY (45 semester credit hours)

#### Required Courses (30 semester credit hours)

#### MUSIC THEORY (18 semester credit hours)

MUS-121 Music Theory I  
MUS-122 Music Theory II  
MUS-201 Music Theory III  
MUS-202 Music Theory IV  
MUS-301 Counterpoint I  
MUS-302 Counterpoint II

#### MUSIC HISTORY AND LITERATURE (12 semester credit hours)

MUS-203 Music Before 1750  
MUS-204 Music After 1750

#### Two courses selected from:

MUS-315 Music of the Baroque Era  
MUS-316 Music of the Classical Era  
MUS-317 Music of the Romantic Era  
MUS-318 Music of the Twentieth Century  
MUS-319 Music of America  
MUS-323 Music of the Renaissance Era

#### Related Area Courses (15 semester credit hours)

#### MUSIC THEORY (3 semester credit hours)

MUS-305 Form and Analysis I

#### MUSIC HISTORY AND LITERATURE (6 semester credit hours)

#### Two courses selected from:

MUS-309 Studies in Instrumental Music: Varies  
MUS-310 Studies in Vocal Music: Varies  
MUS-311 Studies in Keyboard Music: Varies  
MUS-321 Seminar in Music History

#### PIANO (6 semester credit hours)

MUS-112 Class Piano I (2) or MUS-152 (2)  
MUS-113 Class Piano II (2) or MUS-152 (2)  
MUS-213 Class Piano III (2) or MUS-152 (2)

### OPTION III: PIANO PEDAGOGY (45 semester credit hours)

#### Required Courses (30 semester credit hours)

#### MUSIC THEORY (12 semester credit hours)

MUS-121 Music Theory I  
MUS-122 Music Theory II  
MUS-201 Music Theory III  
MUS-202 Music Theory IV or MUS-301 Counterpoint I

#### MUSIC HISTORY AND LITERATURE (6 semester credit hours)

MUS-203 Music Before 1750  
MUS-204 Music After 1750

#### APPLIED MUSIC (12 semester credit hours)

Private study in piano selected from:  
MUS-151 (1), MUS-152 (2), MUS-153 (3) or MUS-154 (4) and  
MUS-351 (1), MUS-352 (2), MUS-353 (3) or MUS-354 (4)

#### Related Area Courses (15 semester credit hours) PEDAGOGY (5 semester credit hours)

MUS-331 Applied Music Pedagogy I: Piano  
MUS-332 Applied Music Pedagogy II: Piano (2)

#### CONDUCTING (2 semester credit hours)

MUS-223 Instrumental Conducting (2) or MUS-224 Choral Conducting (2)

#### APPLIED MUSIC (2 semester credit hours)

Performance area may be other than piano



**Electives (6 semester credit hours)**

Courses in psychology, music theory, or music history and literature selected in consultation with advisor.

**OPTION IV: MUSIC HISTORY AND LITERATURE (45 semester credit hours)****Required Courses (30 semester credit hours)****MUSIC HISTORY AND LITERATURE (18 semester credit hours)**

MUS-203	Music Before 1750
MUS-204	Music After 1750
MUS-321	Seminar in Music History

**One course selected from:**

MUS-309	Studies in Instrumental Music: Varies
MUS-310	Studies in Vocal Music Varies
MUS-311	Studies in Keyboard Music: Varies

**Two courses selected from:**

MUS-315	Music of the Baroque Era
MUS-316	Music of the Classical Era
MUS-317	Music of the Romantic Era
MUS-318	Music of the Twentieth Century
MUS-319	Music of America
MUS-323	Music of the Renaissance Era

**MUSIC THEORY (12 semester credit hours)**

MUS-121	Music Theory I
MUS-122	Music Theory II
MUS-201	Music Theory III
MUS-202	Music Theory IV or MUS-301 Counterpoint I

**Related Area Courses (15 semester credit hours)****MUSIC THEORY**

MUS-305	Form and Analysis I
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**PIANO (6 semester credit hours)**

MUS-112	Class Piano I (2) or MUS-152 (2), MUS-113 Class Piano II (2) or MUS-152 (2), MUS-213 Class Piano III or MUS-152 (2)
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After successfully completing an audition for piano proficiency, the student may fulfill these required hours in other areas of applied music.

**Electives (6 semester credit hours)**

Two courses selected in music history and literature or music theory

**SECONDARY EDUCATION PROGRAM****OPTION I: VOCAL MUSIC (45 semester credit hours)****Required Courses (30 semester credit hours)****MUSIC THEORY (12 semester credit hours)**

MUS-121	Music Theory I
MUS-122	Music Theory II
MUS-201	Music Theory III
MUS-202	Music theory IV or MUS-301 Counterpoint I

**MUSIC HISTORY AND LITERATURE (6 semester credit hrs.)**

MUS-203	Music Before 1750
MUS-204	Music After 1750

**APPLIED MUSIC (12 semester credit hours)**

Private study in voice selected from:

MUS-151 (1), MUS-152 (2), MUS-153 (3) or MUS-154 (4) and MUS-351 (1), MUS-352 (2), MUS-353 (3) or MUS-354 (4)
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**Related Area Courses (15 semester credit hours)****PIANO (6 semester credit hours)**

MUS-112	Class Piano I (2) or MUS-152 (2), MUS-113 Class Piano II (2) or MUS-152 (2), MUS-213 Class Piano III (2) or MUS-152 (2)
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**CONDUCTING (2 semester credit hours)**

MUS-224	Choral Conducting (2)
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Two courses (six semester credit hours) selected from music history and literature or theory of music.

**METHODS**

SCED-MUS-303	Methods and Techniques of Teaching Music
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in the Secondary Schools (two semester credit hours from certification requirements and one semester credit hour from music comprise this three credit methods course)

**OPTION II: INSTRUMENTAL MUSIC (46 semester credit hours)****Required Courses (30 semester credit hours)****MUSIC THEORY (12 semester credit hours)**

MUS-121	Music Theory I
MUS-122	Music Theory II
MUS-201	Music Theory III
MUS-202	Music Theory IV or MUS-301 Counterpoint I

**MUSIC HISTORY AND LITERATURE (6 semester credit hours)**

MUS-203	Music Before 1750
MUS-204	Music After 1750

**APPLIED MUSIC (12 semester credit hours)**

Private study in instrument selected from:

MUS-151 (1), MUS-152 (2), MUS-153 (3) or MUS-154 (4) and MUS-351 (1), MUS-352 (2), MUS-353 (3) or MUS-354 (4)
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**Related Area Courses (16 semester credit hours)****PIANO (4 semester credit hours)**

MUS-112	Class Piano I (2) or MUS-152 (2), MUS-113 Class Piano II (2) or MUS-152 (2)
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**CONDUCTING (2 semester credit hours)**

MUS-223	Instrumental Conducting (2)
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**ORCHESTRATION (3 semester credit hours)**

MUS-308	Orchestration
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**Three Courses (6 semester credit hours) selected from:**

MUS-115	Instrumental Music Studies—Brass Instruments (2)
MUS-116	Instrumental Music Studies—Percussion Instruments (2)
MUS-117	Instrumental Music Studies—String Instruments (2)
MUS-118	Instrumental Music Studies—Woodwind Instruments (2)

**METHODS**

SCED-MUS-303 Methods and Techniques of Teaching Music in the Secondary Schools (two semester credit hours from certification requirements and one semester credit hour from music comprise this three credit methods course)

**ELEMENTARY EDUCATION PROGRAM****Concentration in Music (23 semester credit hours)****MUSIC THEORY (4 semester credit hours)**

MUS-103	Music Fundamentals I (2)
MUS-104	Music Fundamentals II (2)

**APPLIED MUSIC (8 semester credit hours)**

MUS-112	Class Piano I (2) or MUS-113 Class Piano II (2) or MUS-213 Class Piano III (2) and MUS-120 Class Guitar I (2) or MUS-212 Class Guitar II (2) and MUS-110 Class Voice I (2) and an additional two semester credit hour course in Piano, Guitar, or Voice.
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**MUSIC EDUCATION (3 semester credit hours)**

MUS-391	Contemporary Music Education, Grades K-3 or
MUS-392	Contemporary Music Education, Grades 3-8

**Electives (8 semester credit hours)****Recommended Courses:**

MUS-393	Workshop in Music Education: Varies (2)
MUS-394	Workshop in Music Education: Varies (3)
MUS-395	Instruments for the Classroom Teacher (2)

Additional elective courses may be accepted with the consent of advisor.

**MINOR IN MUSIC (23 semester credit hours):**

The individual student, in consultation with the chairperson of the department, selects courses from the departmental curriculum according to interests and needs. The total program plan is subject to the approval of the chairperson.

**MUSIC ORGANIZATIONS**

All university students who have played band or orchestra instruments or have vocal or choral backgrounds can participate in a variety of performance groups at Northeastern Illinois University. Credit may be earned each term for participation in each of the various ensembles. With written approval, university instruments are normally available for student use.

**Band.** The University Concert Band is completely instrumented and performs a great variety of music literature. The pep band participates at basketball games and pep rallies. Both groups perform at the university and off-campus.

**Orchestra.** The Orchestra performs a variety of music of different styles and eras at the university and off-campus. Members of the community are invited to participate.

**Smaller Ensembles.** Smaller brass, woodwind, percussion, string, and keyboard ensembles are organized each term and range in size from chamber music duos, trios, quartets, etc., to larger woodwind, brass, percussion, and jazz ensembles.

**Chorus.** The University Chorus is a large symphonic type choral ensemble that performs major works for unaccompanied chorus as well as with various instrumental accompaniments. Members learn many singing and musical skills such as sight-singing, diction, etc. Open to all students.

**Concert Choir.** The Concert Choir is a select group of singers chosen by audition. The ensemble specializes in virtuoso choral music of all eras, and performs both on and off-campus.

**Opera Workshop.** Opera Workshop produces a wide variety of types of music theater, including opera, operetta, and musical comedy. Opportunities for workshop performances and student direction are also provided.

**Madrigal Singers.** The Madrigal Singers is a small ensemble that specializes in Medieval, Renaissance, and Baroque vocal music. The ensemble often performs with the University Collegium Musicum.

**Collegium Musicum.** The Collegium Musicum of Northeastern Illinois University performs music from the Medieval, Renaissance, and Baroque eras. Its members play recorder, harpsichord, lute, psalter, sackbut, and other appropriate instruments. They perform in a variety of combinations, sometimes with the Madrigal Singers, both on and off-campus.

The music department sponsors faculty-student-guest programs, which are announced in the calendar of events it publishes. For additional information, call the Music Department, extensions 569 or 560.

## PHILOSOPHY

Philosophy, broadly conceived, is a systematic inquiry into the perennial problems of human existence; in this sense, the study of philosophy, through the broad humanistic background that it provides, has always been an essential ingredient of a liberal education. The exercise in reflection and criticism to be derived from the reading of the great philosophical classics enables the student to understand and correlate the many insights afforded by other disciplines; the wide perspectives that philosophy makes possible guide the student in his search for a sound sense of values.

The primary functions of the Department of Philosophy are: (1) to contribute significantly to the liberal education of the students of the university, and (2) to provide philosophy majors with an adequate preparation to pursue advanced studies in their chosen field.

**LIBERAL ARTS MAJOR IN PHILOSOPHY**

The major in philosophy, leading to the Bachelor of Arts degree, fully prepares the student for graduate work. Students majoring in philosophy must take 30 credit hours of work within the department including 15 credit hours of philosophy electives.

All transfer students majoring in philosophy must take a minimum of fifteen hours of course work in philosophy at Northeastern Illinois University. Courses taken under the Pass/Fail option

may not be used to satisfy the major requirements in philosophy. All courses are three semester credit hours.

**Required Courses:**

PHIL-222	History of Ancient Philosophy
PHIL-241	History of Modern Philosophy
PHIL-302	Logic I
PHIL-332	Contemporary Philosophy
PHIL-383	Pro-Seminar in Philosophy: Varies

**Electives in Philosophy:**

Nine hours must be from courses at the 300-level

**MINOR IN PHILOSOPHY (18 credit hours)**

A student minoring in philosophy is required to take 18 credit hours of work in the department. The minor in philosophy must take one course in the history of philosophy, two courses at the 300 level, and nine additional credits to be selected in consultation with the major and minor departments.

All transfer students minoring in philosophy must take a minimum of nine hours of course work in philosophy at Northeastern Illinois University. Courses taken under the Pass/Fail Option may not be used to satisfy the minor requirements in philosophy.

PHIL-101	Persuasion and Reason
PHIL-102	Introduction to Philosophy
PHIL-103	Philosophy and Contemporary Issues: Varies
PHIL-202	Comparative Religion
PHIL-211	Philosophy of Religion
PHIL-212	Topics in Social Ethics: Varies
PHIL-213	Ethics
PHIL-222	History of Ancient Philosophy
PHIL-231	History of Medieval Philosophy
PHIL-241	History of Modern Philosophy
PHIL-251	Philosophy of Art
PHIL-261	African Philosophy
PHIL-271	Philosophy of Sexuality
PHIL-281	Philosophy and Death
PHIL-302	Logic I
PHIL-303	Logic II
PHIL-306	Logic III
PHIL-313	Recent Theories of Value
PHIL-332	Contemporary Philosophy
PHIL-333	American Philosophy
PHIL-334	Selected Nineteenth-Century Philosophers: Varies
PHIL-335	Analytic Philosophy
PHIL-337	Existentialism
PHIL-341	Metaphysics
PHIL-345	Social and Political Philosophy
PHIL-361	Topics in Philosophy and Contemporary Issues: Varies
PHIL-363	Topics in Philosophy of Religion: Varies
PHIL-371	Theory of Knowledge
PHIL-375	Philosophy of Science
PHIL-381	Independent Study in Philosophy
PHIL-383	Pro-Seminar in Philosophy: Varies

## PHYSICS

The department of Physics offers courses leading to the degrees of Bachelor of Science and Master of Science.

The department of Physics offers an undergraduate a variety of educational opportunities and a choice of a physics major in a liberal arts program, a physics major in a secondary education program, or a physics minor. Both programs are flexible, preparing the student for careers in teaching and industry or graduate study. Furthermore, they cover the essential principles of physics, placing equal emphasis on the foundations of classical physics and the frontiers of contemporary research. All courses are three semester credit hours unless indicated otherwise in parentheses.

**LIBERAL ARTS AND SECONDARY EDUCATION PROGRAMS****Required Courses:**

PHYS-201	College Physics I or
PHYS-206	Physics with Calculus I
PHYS-202	College Physics II or
PHYS-207	Physics with Calculus II
PHYS-203	Physics I Laboratory (1)



PHYS-204	Physics II Laboratory (1)
PHYS-215	Physics III
PHYS-311	Mechanics I
PHYS-312	Mechanics II
PHYS-321	Electricity and Magnetism I
PHYS-323	Electricity and Magnetism II
PHYS-336	Modern Physics
PHYS-337	Modern Physics Lab (1)
PHYS-393	Electronics

**Additional courses required for liberal arts program:** An additional six semester credit hours selected from electives listed below.

**Additional courses required for secondary education program:**  
SCED-BIOL-303 Materials and Methods for Teaching High School Science [4 (Physics-3, Professional Education certification requirements-1)]; another three credit hours selected from electives listed below.

**Supporting minor courses for both programs:**  
MATH-106 Pre-Calculus Mathematics for Non-Mathematics Majors (4)  
MATH-107 Calculus for Non-Mathematics Majors I (4)  
MATH-202 Calculus for Non-Mathematics Majors II (4)  
MATH-203 Calculus for Non-Mathematics Majors III (4)  
MATH-301 Ordinary Differential Equations I  
CHEM-211 General Chemistry I (4)  
CHEM-212 General Chemistry II (4)

A physics minor is also offered, which requires departmental approval and satisfactorily completing 18 semester credit hours (each course is three semester credit hours):

PHYS-201	College Physics I
PHYS-202	College Physics II
PHYS-215	Physics III
PHYS-311	Mechanics I
PHYS-321	Electricity and Magnetism I

Also an elective.  
See the Graduate College section of this catalog for detailed information about the Master of Science in Physics.

#### Electives

PHYS-324	Quantum Mechanics I
PHYS-326	X-Ray Theory and Techniques
PHYS-331	Optics
PHYS-333	Vibration and Sound
PHYS-335	Thermodynamics and Kinetic Theory
PHYS-338	Introductory Mathematical Physics
PHYS-339	Intermediate Physics Laboratory (2)
PHYS-344	Introduction to Solid State Physics
PHYS-350	Field Experiences in Physics
PHYS-TECH-361	Materials I: Structural, Mechanical and Thermal Properties
PHYS-TECH-362	Materials II: Electronic and Optical Properties
PHYS-TECH-363	Mechanical Design and Machine Shop Practice I
PHYS-TECH-364	Mechanical Design and Machine Shop Practice II
PHYS-TECH-365	Digital Electronics
PHYS-TECH-366	Communication Electronics
PHYS-TECH-367	Transducer and Special Purpose Electronics
PHYS-TECH-368	Cryogenic and Vacuum Technology
PHYS-TECH-369	Instrumentation Electronics
PHYS-391	Astronomy

## POLITICAL SCIENCE

The department of Political Science offers courses in such areas as American government, administration, urban politics, Asian studies, comparative politics, international relations, and political theory. Students are prepared for graduate study, government-service, politics, law school, careers in business or other professions, and secondary and elementary school teaching.

An undergraduate may choose a major in a liberal arts program, or complete a concentration of courses to fulfill requirements for either the social science secondary education program or the social science elementary education program. The de-

partment also offers minors in political science and public administration as well as courses that fulfill the Constitution examination requirement for graduation, and others that satisfy elementary or secondary education certification requirements.

Students must register in the department for both the major in political science and the minors in political science or public administration. The department recommends registering at the earliest opportunity to assure receiving pertinent information and counseling. All courses listed below are three semester credit hours.  
Credit for the Constitution requirement is granted in: PSCI-COMP-211 Comparative Political Systems and PSCI-AMER-216 American National Government, which are also recommended for teacher certification requirements in American government.

### LIBERAL ARTS PROGRAM (30 semester credit hours)

#### Required Courses:

One introductory course selected from:  
PSCI-COMP-211 Comparative Political Systems  
PSCI-THRY-213 Concepts of Political Science  
PSCI-AMER-216 American National Government

Also one 300-level course from each of three areas of political science (American government, public administration, urban politics, Asian studies, comparative politics, international relations, and political theory); three 300-level courses in one area of political science other than the areas selected above; three additional 300-level courses (can include PSCI-ASIA-251) in Political Science.

Courses with D grades are not credited toward the political science major requirements.

The department suggests that students majoring in political science select such appropriate supporting minors as business, computer science, history, economics, foreign language, sociology, or anthropology.

### MINOR IN POLITICAL SCIENCE (18 semester credit hours)

A student may develop a minor in political science to accompany a specific major. For example, a student whose major interest is American history might want a minor in American government. Any of the political science areas can be complementary to several major programs. An assigned advisor will counsel a student in choosing and satisfactorily completing six appropriate courses (18 semester credit hours) for the minor.

### MINOR IN PUBLIC ADMINISTRATION (18 semester credit hours)

#### Required Courses:

PSCI-PA-332 Introduction to Public Administration  
PSCI-IR-349 Intergovernmental Relations  
CPD-360 Law and Administration

and the choice of three other courses from the field of local government, national government, and administrative practice and techniques for a total of 18 semester credit hours.

See the Graduate College section of this catalog for detailed information on the Master's program in political science.

#### American Government

PSCI-AMER-301	Legislative Process
PSCI-AMER-303	Public Opinion Propaganda
PSCI-AMER-304	Constitutional Law: The Supreme Court's Role in American Government
PSCI-AMER-305	Constitutional Law: Civil Liberties
PSCI-AMER-309	Pressure Groups: Power, Participation and Public Policy
PSCI-AMER-310	The American Political System
PSCI-AMER-311	Introduction to Public Policy
PSCI-AMER-321	Pro-Seminar in the American Political Process: Varies
PSCI-AMER-330	Political Parties and Political Party Systems
PSCI-AMER-331	The American Presidency and Executive Branch
PSCI-AMER-333	State Government and Politics
PSCI-AMER-353	Practical Politics
PSCI-AMER-358	The Judicial Process
PSCI-AMER-380	Courts, Judges and Politics
PSCI-AMER-381	The Politics of Law

#### Urban Politics

PSCI-URB-307	The Government and Politics of Metropolitan Areas
PSCI-URB-308	Administering Justice in Urban Areas
PSCI-URB-318	Urban Government Administration
PSCI-URB-334	Urban Politics
PSCI-URB-349	Intergovernmental Relations
PSCI-URB-357	Laboratory in Urban Politics

#### Political Theory

PSCI-THRY-306	Contemporary Political Philosophy
PSCI-THRY-320	American Political Thought
PSCI-THRY-326	Selected Political Theorists: Varies
PSCI-THRY-335	Political Theory I: Man and the State
PSCI-THRY-336	Political Theory II: Man and Society
PSCI-THRY-339	Political Theory III: Contemporary Political Analysis
PSCI-THRY-352	African Political Thought
PSCI-THRY-363	Pro-Seminar in Political Theory: Varies

#### Public Administration

PSCI-PA-332	Introduction to Public Administration
PSCI-PA-382	Topics of Law Enforcement: Varies
CPD-360	Law and Administration
CPD-361	History and Literature of Public Administration
CPD-363	Public Finances and Budgeting
CPD-364	Public Personnel Management
CPD-365	Computer Uses and Data Processing in Government
CPD-366	Administrative Planning and Analysis
CPD-367	Management of Specialized Functional Areas: Varies
CPD-368	Supervised Internship I
CPD-369	Supervised Internship II

#### Comparative Politics

PSCI-COMP-312	Modern European Governments
PSCI-COMP-315	Comparative Social Justice Systems
PSCI-COMP-322	Governments and Politics of South America
PSCI-COMP-323	Government in New Nations
PSCI-COMP-338	Politics of Sub-Sahara Africa
PSCI-COMP-340	Pro-Seminar in Comparative Politics: Varies
PSCI-COMP-344	Politics of the Middle East
PSCI-COMP-351	The Soviet Union: Government and Politics
PSCI-COMP-354	Political Modernization in Africa
PSCI-COMP-355	Politics and Government of Mexico, Central America and the Caribbean
PSCI-COMP-360	Canadian Government and Politics
PSCI-COMP-379	Law and Social Change

#### International Relations

PSCI-IR-302	U.S. Foreign Policy Since World War II
PSCI-IR-313	Contemporary International Relations
PSCI-IR-314	The United Nations and World Order
PSCI-IR-316	War and Peace
PSCI-IR-319	International Law and Organization
PSCI-IR-359	Pro-Seminar in International Relations: Varies
PSCI-IR-364	International Relations: Concepts and Principles
PSCI-IR-366	International Relations in the Middle East
PSCI-IR-378	International Organization: Theories and Practice
PSCI-COMP-365	Soviet Union in International Politics

#### Asian

PSCI-ASIA-324	Communist China: Politics and Government
PSCI-ASIA-325	Government and Politics of Pakistan and Bangladesh
PSCI-ASIA-341	Governments in Asia
PSCI-ASIA-342	International Relations in Asia
PSCI-ASIA-343	Pro-Seminar in Asian Politics: Varies
PSCI-ASIA-345	Politics of Southeast Asia
PSCI-ASIA-346	Political Doctrines of Asia
PSCI-ASIA-347	Seminar in Asian Studies
PSCI-ASIA-348	Government and Politics of South Asia
PSCI-ASIA-350	Government and Politics of Modern India
PSCI-ASIA-356	South Asia in International Politics
PSCI-ASIA-361	Japan: The Modern Political Scene
PSCI-ASIA-362	Japan: The Traditional Political Scene
PSCI-ASIA-368	Politics of Islam
PSCI-ASIA-370	Traditional and Modern Chinese Political Theory

### Courses not in any one subject field of Political Science

PSCI-317	Independent Study in Political Science
PSCI-327	Independent Study in Political Science (2)
PSCI-337	Independent Study in Political Science (1)
PSCI-371	Topics in Political Science (1)
PSCI-372	Topics in Political Science (2)
PSCI-373	Topics in Political Science
PSCI-374	Topics in Political Science (4)

## PSYCHOLOGY

The department of Psychology offers courses leading to the degree of Bachelor of Arts.

The Psychology Department offers several different sequences of courses to emphasize different areas of specialization: preparation for graduate college, paraprofessional training, or general studies to implement work in other social science areas, education and related areas. Psychology is a complex field, so courses must be carefully selected in consultation with a faculty advisor if the student is to achieve his individual educational objectives. **Changes in programs and course offerings currently under consideration by the faculty make it imperative to confer regularly with an advisor for effective program planning.**

The program available for undergraduates is a psychology major in liberal arts (31 semester credit hours). Students are required to satisfactorily complete PSYC-201 General Psychology, which is the four semester credit hour prerequisite for most of the other courses in the department. Courses are three semester credit hours unless otherwise noted in parentheses.

#### Additional Courses Required for the Liberal Arts Program:

PSYC-317	Introduction to Statistical Methods in Psychology
PSYC-318	Introduction to Experimental Psychology

#### Three of the following core electives:

PSYC-215	Introduction to Humanistic Psychology
PSYC-301	Developmental Psychology
PSYC-311	Psychology of Personality
PSYC-312	Abnormal Psychology
PSYC-313	Social Psychology
PSYC-316	Physiological Psychology
PSYC-327	Psychology of Learning
PSYC-331	Psychological Tests and Measurements
PSYC-335	History of Psychology

and four psychology electives (12 semester credit hours).

Students who want to supplement their classroom work should consider carefully the advantages of the field experience program. The interdisciplinary nature of psychology requires a foundation of work in other areas; those planning to take graduate work should emphasize mathematics and other sciences, but every psychology major will benefit from work in philosophy, physiology, literature, history, and other social sciences.

### FIELD EXPERIENCE

Field Experience allows students to work for college credit in psychology at a field center of their choice as though they were employed there. In return, the centers offer supervision and training in situations where the students are meaningfully involved. These centers, of which 60 are currently listed with the field experience office, include psychiatric hospitals, elementary and secondary schools, businesses, correctional facilities, drop-in centers, personnel departments, research labs, etc. Volunteer positions may involve casework, counseling, personnel work, outreach, tutoring, research; in other words, a variety of responsibilities dependent on the agency's needs and the student's interest and motivation. The main objective of the field experience program is the integration of academic work with practical use of psychological theories and concepts. With field experience as a vehicle, then, students interested in careers in psychology have the opportunity to do what it is they say they want to do now, not after they graduate.

If a student's area of academic interest is in any way related to working within a social science setting, psychology or otherwise, UNI's psychology department strongly advises him/her to consider field experience credit as a worthwhile addition to his/her classroom learning.



Information about the Undergraduate Field Experience Program can be obtained from the program advisor in the Psychology Department.

## TRACKS

The Psychology Department offers several tracks as part of its endeavor to better qualify students in their various interest areas. A track is suggested as a way of using one's 12 hours of electives in the liberal arts psychology major, which may bring with it some additional requirements within or outside of psychology. However, no one is required to take a track. Tracks simply exist as packages of helpful suggestions based on the department members' years of experience in teaching, research, private practice, etc. If a student selects a track and successfully completes it, the track coordinator will place a special letter of expertise in his/her placement file which should, because of its specificity, increase one's chances for entry into a professional or graduate school. Currently, tracks exist in the following areas:

1. Adulthood and Aging—from a human development—life span perspective; the young, middle and later adult years are studied with related focus on intergenerational relations and helping skills.
2. Alternative approaches to human learning—a humanistic, person-centered approach based on the psychology of learning and human development as applied in free schools, open classrooms, schools without walls, etc.
3. Behavioral systems—the developing applied fields derived from systems theories include behavioral analysis of the individual, social systems analysis, and social change strategies.
4. Child development specialist—a program designed to provide an excellent undergraduate basis for a variety of educational and therapeutic personnel who will be involved with children and adolescents; the focus is mainly on normal or healthy child development.
5. Childhood emotional disturbances—a specialty appropriate for those who wish to go on to graduate work in this area and for those interested in child care work in clinical, hospital, and educational settings; the focus is primarily on childhood disturbances and therapy, although there is coverage of normal child and personality development.
6. Communicative disorders—a track designed for psychology majors who wish to go on to graduate study in areas of communicative disorders, speech pathology, audiology, and speech and hearing sciences.
7. Comparative human development—a track with major emphasis development of personality; constant comparisons are made between the developmental process as it occurs in the U.S. and the forms it assumes elsewhere. The field as a whole represents a fusion of both psychological and anthropological techniques.
8. Existential humanistic psychology—a program built around the principles of third force psychology, humanistic and existential in focus, centering on the encounter as a basic medium for learning and therapy.
9. Neuropsychology—a sequence designed for people in psychology who have a special interest in brain research, and who want to prepare for graduate school in experimental psychology; or for biology majors who desire training in brain-behavior relationships; emphasis is on actual research experience.
10. Parapsychology—a study of paranormal phenomena such as telepathy, clairvoyance, and psychokinesis, and the relation of such phenomena to altered states of consciousness and religious, philosophical, and physical systems.
11. Small group processes—a planned schedule of academic-clinical training in a humanistic approach to the small group techniques of education and therapy. The student will learn his/her own psychodynamic of personality; how to use a test profile and the E.E.G. measurement of brain wave patterns for psychodiagnostic work in determination of personality health and disorders; and small group processes.
12. Social psychology—a package designed to allow for acquisition of skills in social psychology inquiry, problem-setting, and problem-solving.
13. Human learning—the study of basic areas in human learning: human learning processes, their energizing and sequences; human concept-formation; problem-solving; and creativity.
14. Industrial psychology—a course sequence, especially valuable for business and management majors who wish some increased exposure to industrial psychology, systems theory,

small group processes and further personnel skills and applications.

15. Statistical applications in psychology—statistical procedures and scientific methodology in educational and psychological research—beginning. Also, advanced work in correlational techniques, analysis of variance, sampling statistics, etc. The full four-course sequence: introductory, inferential, psychometric methods, and factor analysis, will prepare the interested student for a Ph.D. in psychology.

## THE NEUROSCIENCE PROGRAM

The psychology and biology departments co-sponsor a program of studies designed to prepare students for graduate work in the many disciplines related to neuroscience. The program is designed to meet the course needs of those persons who might go on to graduate studies in psychology, biology, medicine, pharmacology, etc. The program emphasizes an interdisciplinary course of studies combined with actual research experience. Students who wish to consider this program are advised to contact the chairperson from the Psychology or Biology Department as early as possible in their academic career. The student should also obtain a copy of the annual report issued by the program which details the current research projects and accomplishments of various members in the program.

## SOCIOLOGY

The department of Sociology offers courses leading to the degree of Bachelor of Arts.

Sociology is the study of human societies—their patterns and arrangements, their processes of development and change, and the interplay between these patterns and processes and the behavior of individuals and groups.

Departmental course offerings are designed to provide a scientific approach to the significant factors and processes of modern life with special emphasis on issues of race, class, and sex. The program provides a core curriculum in research and theory; a core of related courses in women's studies, urban problems, and criminal justice; a core of courses in social organization and social change, and courses in independent study and community field studies.

A major in sociology can thus provide a useful orientation for students who plan to attend graduate school or seek careers in such fields as education, criminal justice, urban planning, law, social welfare, and research in government and private organizations.

Students may choose a sociology major in a liberal arts program, a nine or 18-semester credit hour general social science sequence in a secondary education program, or a general social science concentration in an elementary education program designed for prospective elementary school teachers who wish to specialize in social science. All courses are three semester credit hours.

### LIBERAL ARTS AND SECONDARY EDUCATION PROGRAMS

#### Courses Required:

SOC-202 Introductory Sociology  
SOC-216 Contemporary American Institutions or  
SOC-316 Urban Ecology\*

#### Additional courses required for liberal arts program:

SOC-335 Sociological Theory or  
SOC-311 Marxist Sociological Theory  
SOC-337 Methods of Sociological Inquiry and 18 semester credit hours (six courses) of sociology electives.

#### Additional courses required for 18-hour secondary education sequence:

SOC-332 Education as a Social Institution and nine semester credit hours of sociology electives.

#### Additional courses required for nine-hour secondary education sequence:

One social science elective.

\*Not required of students declaring sociology majors prior to fall 1973.

**Courses required for elementary education program:** Satisfactorily completing nine semester credit hours (three courses) in anthropology, economics, geography, history, political science, or sociology; Interdisciplinary Seminar for Elementary Social Science School Teachers\*\*, prerequisites for which are satisfactory completion of 24 semester credit hours in social science, satisfactory completion of six electives (18 semester credit hours) in and recommended by two other departments, with at least nine semester credit hours at the 300 level.

\*\*Not required of students entering program before January 27, 1975.

### MINOR IN SOCIOLOGY (18 semester credit hours)

#### Required Courses:

SOC-202, SOC-335, SOC-337, and three electives (nine semester credit hours) in the sociology department.

The Criminal Justice Program is now being offered. For further information, please contact the Sociology Department. See the department chairperson for the names of appropriate advisors for counseling. See the Graduate College section of this catalog for master's programs in the social sciences.

## SPEECH AND PERFORMING ARTS

The department of Speech and Performing Arts offers courses to the degrees of Bachelor of Arts and Master of Arts.

Programs are designed to develop students who are discriminating in their judgments of the speech arts, proficient in using them, and capable of applying speech skills to present and future problem-solving. Students preparing for teaching careers will achieve classroom effectiveness, acquire a broad orientation in the several speech arts and related disciplines, and develop specialized skills in one of the speech arts.

Available for undergraduates are both liberal arts and secondary school teacher preparation. The department recommends broad preparation in cognate areas for each of the programs and specifically recommends that students preparing for secondary school teaching complete a second major in English for state certification and discuss Chicago certification in English with their advisor.

Speech courses are three semester credit hours unless indicated otherwise in parentheses.

### LIBERAL ARTS MAJOR IN SPEECH AND PERFORMING ARTS (32 semester credit hours)

#### (1) Required Courses:

SPCH-COMM-101 Foundations of Communication  
SPCH-COMM-202 Voice and Diction

#### (2) Two semester credit hours elected from the one-hour laboratories:

SPCH-COMM-205 Debate Laboratory  
SPCH-COMM-206 Individual Events Laboratory  
SPCH-PERF-207 Interpreters Laboratory

SPCH-COMM-208 Media Laboratory  
SPCH-PERF-209 Theatre Laboratory

NOTE: A student may repeat any laboratory courses for a maximum of three semester credit hours.

### (3) Additional courses required for a liberal arts program;

two selected from:

SPCH-PERF-130 Introduction to Theatre  
SPCH-COMM-201 Introduction to Semantics  
SPCH-COMM-208 Media Laboratory  
SPCH-COMM-215 Group Discussion  
SPCH-PERF-255 Oral Interpretation of Literature  
SPCH-MASS-260 Introduction to Radio, Television and Film  
SPCH-PATH-270 Introduction to the Field of Communicative Disorders

(4) In addition, a student also needs 18 semester credit hours of electives with 12 at the 300 level. All transfer students who wish a degree in speech and performing arts are required to complete, satisfactorily, at least 15 semester credit hours in Northeastern's speech department.

### Additional courses required for a secondary education program:

SPCH-PERF-130 Introduction to Theatre  
SPCH-COMM-215 Group Discussion  
SPCH-PERF-255 Oral Interpretation of Literature  
and 15 semester credit hours selected from either the performing arts or public address options.

### Performing arts option (15 semester credit hours)

SPCH-PERF-240 Stagecraft  
SPCH-PERF-245 Acting  
SPCH-PERF-331 History of Theatre to 1600 or  
SPCH-PERF-332 History of Theatre: 1600-1900  
SPCH-PERF-345 Directing  
and a performing arts elective

### Public address option (15 semester credit hours)

SPCH-COMM-210 Public Speaking  
SPCH-COMM-211 Argumentation and Debate  
SPCH-COMM-310 Persuasion  
SPCH-ED-391 Directing Forensics  
and a speech elective

**Requirements for a speech and performing arts minor** are satisfactorily completing 18 semester credit hours that include:

SPCH-COMM-101 Foundations of Communication  
SPCH-COMM-202 Voice and Diction

### Six hours selected from:

SPCH-PERF-130 Introduction to Theatre  
SPCH-COMM-201 Introduction to Semantics  
SPCH-COMM-215 Group Discussion  
SPCH-PERF-255 Oral Interpretation of Literature  
SPCH-MASS-260 Introduction to Radio, Television and Film  
SPCH-PATH-270 Introduction to the Field of Communicative Disorders

and two speech electives.

Detailed information about the Master of Arts in Speech can be found in the Graduate College section of this catalog.





## COLLEGE OF EDUCATION

The College of Education prepares beginning teachers and other school specialists; seeks out and selects students who possess the abilities and characteristics necessary to teach and guide students in those developmental tasks for which American schools take responsibility; provides leadership and assistance in improving educational programs of public and private schools and other educational agencies; and develops, designs, and conducts innovative and experimenting teacher education.

To realize these goals, the College of Education takes an all-university approach to the education of teachers. Its program of teacher education is predicated on a well-rounded general education in the liberal arts then further developed through professional courses, school-community laboratory experiences, and the culminating program in student teaching.

All graduates preparing to teach must meet the course requirements of Chicago and Illinois teacher certification boards.

The College offers courses of study in Early Childhood Education, Counselor Education, Elementary Education, Educational Foundations, Inner City Studies Education, Instructional Media, Physical Education, Reading, Secondary Education, Special Education and Urban Communities Teacher Education.

The College of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE). The Illinois Of-

## ADMISSIONS

A student should apply for admission to the College of Education by the end of the second week of the second term of the sophomore year. Admission becomes effective at the beginning of the student's junior year, and new students are admitted each term. Applications are available in the Office of the Dean.

Minimum requirements for admission to teacher education programs include:

- Satisfactory completion of approximately 45 semester credit hours at time of application, and approximately 60 semester credit hours by the end of the term in which admission is sought;
- A 3.25 or higher cumulative average for all courses completed prior to submitting an application for admission;
- Competence in oral and written English as evidenced by a

file of Education and the Illinois State Teachers Certification Board recognized Northeastern Illinois University and its College of Education (7-10-69). Programs approved are: Elementary Education (7-10-69); the Secondary Education programs in Art (7-10-69), Biology (7-10-69), Chemistry (7-10-69), Earth Science (7-10-69), English (7-10-69), French (7-10-69), Geography (7-10-69), History (7-10-69), Linguistics (7-10-69), Mathematics (7-10-69), Music (7-10-69), Physical Education (1-30-70), Physics (7-10-69), Social Studies (1-30-70), Spanish (7-10-69) and Speech and the Performing Arts (7-10-69); Special Education T.M.H. (7-10-69), E.M.H. (7-10-69), Socially Maladjusted (7-10-69), Emotionally Disturbed (7-10-69), Culturally Disturbed (7-10-69) and Learning Disabilities (7-10-69); and School Service Personnel in Guidance (7-10-69).

Admission to Northeastern Illinois University does not constitute admission to the professional programs for teacher education in the College of Education. To be eligible for entitlement upon graduation, a student must have been admitted to the College of Education and maintained satisfactory standing and successfully completed a teacher education program. Students planning to enter and graduate from a non-teaching track must have been admitted to and maintained satisfactory standing in the College of Education. Students completing any prescribed programs of study in curricula leading to admission to teacher education programs are neither obligated to apply for admission to teacher education in the College of Education nor is such admission assured.

The University Counseling Center advises freshmen and sophomore students (those with less than 60 semester credit hours) who plan to prepare for admission to teacher education and have not declared a major. The faculty of teacher education programs cooperate with these counselors.

grade of "C" or higher in appropriate courses or successfully passing proficiency tests in oral and written English exclusive of dialectal and/or foreign influences that do not interfere with classroom communication;

d. Evidence of competence in the student's major discipline in the form of a written recommendation from the department;

e. Evidence of specific behavior indicating that impairment of physical or mental health will be likely to interfere with satisfactory performance as a future teacher may be considered as constituting a basis for denying admission.

Although not a requirement, evidence of work or experience with children over a sustained period of time would be an advantage.

Upon request, all students should be available for personal interviews related to admission to the College of Education. Students may be requested and should be willing to take examinations or submit to other testing procedures appropriate to the



particular teaching program and discipline in which they are enrolled, in order to assess their potentiality for teacher preparation.

Although a student may satisfy admission requirements and be admitted to teacher education programs at the beginning of the junior year, graduation from the program is not necessarily assured. Unless the professional criteria and achievement standards are continuously met, a student may be asked to withdraw or be placed on probation. All graduates in education must have applied and been admitted to the College of Education.

Transfer students may be admitted to teacher education programs in the College of Education only after completion of a minimum of twelve (12) credits at Northeastern Illinois University. All other requirements for admission applicable to non-transfer students apply to transfer students.

#### Academic Standing

Students not doing satisfactory academic work are placed on probation.

Schedules may be reduced to twelve (12) credits. When students are not able to improve the quality of their work, in spite of reduced schedule and other assistance, so that they have a reasonable chance of being graduated, withdrawal is requested. Students asked to withdraw may, after a given period of

## DEPARTMENTS AND PROGRAMS

### BILINGUAL/BICULTURAL STUDIES With a Concentration in Elementary Education

The Bachelor of Arts Degree in Bilingual/Bicultural Studies with a concentration in Elementary Education consists of 120 credit hours. In order to major in bilingual/bicultural studies, the candidate must have completed requirements for admission to the College of Education, and be fluent in both Spanish and English. (Note: Each candidate must pass a test indicating fluency in both languages; however, students who do not meet the language qualifications may in some cases be permitted to begin the program while taking simultaneously appropriate qualifying language courses.)

The degree is designed to produce qualified teachers who can function effectively in bilingual/bicultural (Spanish/English) classrooms. It is open to Latino and non-Latino high school graduates who are able to understand, speak, write or be able to communicate effectively in Spanish or English, and express a commitment to the teaching career.

Students choosing this degree program must complete the regular requirements for Illinois Elementary Certification, but will do so by constructing their program to include the bilingual/bicultural studies.

It is strongly recommended that students wishing to major in bilingual/bicultural studies take ELED-338 Bilingualism and Education, which orientates them to the bilingual/bicultural program by their sophomore year. By the last trimester of the sophomore year, students will have a supervised internship in an approved bilingual/bicultural setting. By the senior year, students should devote nine credit hours to student teaching in a bilingual/bicultural classroom. It is also desirable that class-

time, apply for readmission.

#### Reinstatement or Readmission

A student who has withdrawn while in good standing will be automatically reinstated on application to the Dean if the period of withdrawal has not exceeded four years.

A student who has withdrawn while on probation or who has been asked to withdraw because of unsatisfactory academic work may be readmitted by action of the Admission, Retention and Appeals Committee of the College of Education upon evidence of a change in scholastic behavior which indicates greater readiness to resume his studies adequately.

#### Graduation Requirements

To be eligible for graduation through the College of Education and entitlement or certification, all students must be admitted to the College of Education; successfully complete the required courses in professional education; meet the minimum cumulative grade point average of 3.25; and pass the United States and Illinois Constitution examination. In addition, students in early childhood and elementary education must complete one course in art, music, health education, physical education "activity," American history or government, mathematics and English. Secondary education students must complete one course in English, American history or government, health education and physical education "activity."

room experience be supplemented with community work involving Latino families or equivalent field experience.

For additional information write or call the Director, Bilingual/Bicultural Studies, Department of Elementary Education, Ext. 660.

#### BACHELOR OF ARTS DEGREE IN BILINGUAL/BICULTURAL STUDIES Required Courses (30 semester credit hours)

**Music**  
MUS-392 Contemporary Music in Grades 3-8 (3)

**Foreign Language and History**  
Take two of the following three:

- FL-SPAN-104 Current Cultural Impact of the Latin American on the U.S. (3)
- FL-SPAN-364 The Spanish Americans of Chicago: Their Contributions and Struggles (3)
- HIST-353 Latin American History since 1825 (3)
- ELED-339 The student may substitute:  
Methods of Teaching Spanish Language Arts, Elementary School (for one of the foreign language and history courses) (3)

**Linguistics**  
LING-304 Teaching English as a Second Language (TESL) Laboratory and/or Field Study (3 or 2)

**Anthropology**  
ANTH-350 Pro-Seminar in Anthropology—Varies: The People of Central America, Mexico, and the Caribbean (3)

**Geography**  
G&ES-302 Regional Geography—Varies (3)

**Sociology**  
SOC-353 Race and Ethnic Relations (3)

**Education**  
ELED-338 Bilingualism and Education (3)

**Physical Education**  
PE-SV-127 Latin American Dance (1)

**Elective**  
Three credit hours to be chosen in consultation with director

**Required Professional Bilingual/Bicultural Education Sequence:**  
EDFN-215 Philosophical and Historical Foundations of Education B/B (4)  
EDFN-201 Educational Psychology B/B (3)  
ELED-301 Curriculum of the Elementary School B/B (3)  
ELED-302 Methods of Teaching Language Arts in the Elementary School B/B (2)

#### Take two of the following three:

- ELED-303 Methods of Teaching Mathematics in the Elementary School B/B (2)
- ELED-304 Methods of Teaching Social Studies in the Elementary School B/B (2)
- ELED-305 Methods of Teaching Science in the Elementary School B/B (2)
- ELED-306 Methods of Teaching Reading in the Elementary School B/B (3)

#### Take at least one of the following three:

- ELED-314 Teaching the Gifted Child B/B (2)
  - ELED-315 Teaching in the Inner City Elementary School B/B (2)
  - ELED-316 Teaching the Slow Learning Child B/B (2)
  - ELED-332 Laboratory in Elementary Education II—Varies (2)
  - ELED-333 Laboratory in Elementary Education III—Varies (3)
  - ELED-334 Laboratory in Elementary Education IV—Varies (4)
- After all of the above are completed, take  
ELED-329 Student Teaching and Seminar—Grades 3-8 B/B (9)

## COUNSELOR EDUCATION

The department of Counselor Education offers work at the master's level. Broad exposure to courses in psychology, sociology, and anthropology are recommended but not required. Upper division students may select COUN-313 Principles and Techniques of Guidance (the introductory course) for purposes of exploration in the field of guidance and counseling. COUN-321 Diagnosis and Treatment of Reading Difficulties is also available.

There are some undergraduate prerequisites for admission to the guidance and counseling program. Please refer to the Graduate College section of this catalog for further information.

## EARLY CHILDHOOD EDUCATION

The department of Early Childhood Education offers courses leading to the degree of Bachelor of Arts. A major, 30 semester credit hours, includes a core of three courses (nine semester credit hours) and 21 semester credit hours of electives chosen from a group of specified (block) courses. Students wishing to become certified must satisfactorily complete 31 semester credit hours of professional education courses. In addition, it is possible to choose electives that will develop another area of specialization in special education, bilingual education, art, music, psychology, linguistics, or other applied fields. Courses are three semester credit hours unless indicated otherwise in parentheses.

#### BACHELOR OF ARTS DEGREE IN EARLY CHILDHOOD EDUCATION

##### Required (core) courses (9 semester credit hours):

- ECED-311 Educational Strategies for Teachers of Young Children
  - ECED-318 Programs and Techniques for Teachers Promoting Cognitive and Perceptual Growth in Young Children
  - ECED-326 Principles of Preschool Education
- Each of these courses requires three hours of observation and visitation each week.

**Electives—21 semester credit hours** chosen in consultation with advisor from Blocks A, B, and C, in addition to any other course in early childhood education.

#### Block A—Select three courses:

- ECED-304 Orientation to Early Childhood Education

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- ECED-302 Literature for Young Children
- ECED-309 Current Trends in Kindergarten Education
- ECED-313 Language Development and Educational Implications
- ECED-317 Modern Concepts of Play in the Learning Process
- ECED-322 Critical Analysis of Preschool Education
- MATH-103 Mathematics for the Primary Grades
- ECED-SCI-314 Science Methods for Teaching Young Children

#### Block B Sections 1 and 2—Select one course in each section:

- 1) ECED-307 Creative Movement, Music, and Games
- MUS-391 Contemporary Music Education in Grades Kindergarten-Three
- 2) ECED-308 Creative Activities for Early Childhood
- ART-394 Contemporary Art Education in Kindergarten-Primary Grades

#### Block C—Select one course:

- ECED-312 Teaching Strategies with Multi-Cultural Groups
- ECED-316 Parent-Teacher Interaction
- PE-HL-309 Health and the Preschool Child

#### Block D—Elective Block: Any course in early childhood education:

- ECED-303 Instructional Materials in Early Childhood Education (4)
- ECED-310 Independent Study in Early Childhood Education
- ECED-327 Techniques of Group Dynamics and Pupil Supervision for the Young Child
- ECED-328 Field Experience in Theraplay
- ECED-330 Laboratory Experiences in Early Childhood Education: Preschool
- ECED-331 Laboratory Experiences in Early Childhood Education: Kindergarten
- ECED-332 Laboratory Experiences in Early Childhood Education: Primary Grades
- ECED-333 Alternatives for Dealing with Children

**31 semester credit hours required:** All students wishing Chicago certification must take an additional two semester credit hours of reading:

- PSYC-212 Child Psychology or
- EDFN-216 Education and Individual Differences
- EDFN-215 Philosophical and Historical Foundations of Public Education (4)
- ECED-305 Language Arts in the Primary Grades
- ECED-306 Teaching Reading in the Primary Grades
- ELED-301 Curriculum in the Elementary School or
- ECED-323 Curriculum and Instruction in Early Childhood Education
- ECED-315 Practicum in Methods of Teaching Science, Mathematics and Social Studies with Pre-Practice—Pre-school through Grade 3 (6)
- ECED-329 Student Teaching and Seminar—Preschool through Grade 3 (9)

## EDUCATIONAL FOUNDATIONS

Courses in the department of Educational Foundations are designed to help prospective teachers understand and solve urban problems and issues as well as develop greater self-understanding and sensitivity to people from all cultural and ethnic backgrounds. Areas covered include historical, philosophical, psychological, and social foundations of education; comparative education; selected philosophical concepts in education; interpersonal and intergroup relations; group dynamics; and educational administration and supervision. Courses are three semester credit hours unless indicated otherwise in parentheses.

#### Introductory undergraduate courses include:

- EDFN-201 Educational Psychology
- EDFN-205 Social Foundations of Education
- EDFN-212 American Public Education—History of Education (2)
- EDFN-213 Philosophy of Education (2)
- EDFN-215 Philosophical and Historical Foundations of Public Education (4)
- EDFN-216 Education and Individual Differences



The department also offers upper division courses, for undergraduate and graduate students, in the above-stated areas of the field of education.

## ELEMENTARY EDUCATION

The department of Elementary Education offers courses leading to the degree of Bachelor of Arts.

The department provides professional preparation for prospective elementary school teachers, which includes 32 semester credit hours of professional education courses, student teaching, and guidance to students preparing for certification. A student must also complete an area of concentration in a department in the College of Arts and Sciences. Courses in the department are two semester credit hours unless indicated otherwise in parentheses.

### BACHELOR OF ARTS DEGREE IN ELEMENTARY EDUCATION

#### Professional preparation (32 semester credit hours):

EDFN-201	Educational Psychology (3)
EDFN-215	Philosophical and Historical Foundations of Public Education (4)
ELED-301	Curriculum of the Elementary School (3)
ELED-302	Methods of Teaching Language Arts—Elementary School
ELED-303	Methods of Teaching Mathematics—Elementary School
ELED-306	Methods of Teaching Reading—Elementary School (3)

#### One course selected from the following two:

ELED-304	Methods of Teaching Social Studies—Elementary School
ELED-305	Methods of Teaching Science—Elementary School

#### One course selected from the following three:

ELED-314	Teaching the Gifted Child
ELED-315	Teaching in the Inner City Elementary School
ELED-316	Teaching the Slow-Learning Child and
ELED-332	Laboratory in Elementary Education II—Varies (to be taken concurrently with a Methods Course)

**Student Teaching:** The student is eligible for ELED-329 Student Teaching in the Elementary School and Seminar—Grades 3-8 (9) after successful completion of the above-listed course sequence.

Certification requirements include fulfilling the Constitution requirement and completing one course in American history or government, art, English, health (PE-HL-301), math, science, music, and physical education.

Students who would prefer a field approach to teacher preparation should consult with their advisors about the Urban Communities Teacher Education Program.

## INNER CITY STUDIES EDUCATION AND CENTER FOR INNER CITY STUDIES

The department of Inner City Studies Education offers courses leading to the degrees of Bachelor of Arts and Master of Arts.

The Center for Inner City Studies was the first innovative unit of Northeastern Illinois University. Through the College of Education, the Center offers the degrees of Bachelor of Arts in Elementary Education with a major in Inner City Studies that leads to entitlement for the Chicago Teacher Certification Examination; Bachelor of Arts in Inner City Studies, a non-teaching major for students not intending to teach; Master of Arts in Inner City Studies; in addition to operating federally-funded projects and adult education activities. Academic programs in the center attract students from an ever-increasing range of professions

— community administrators, dentists, health workers, teachers, public and private agency employees, and social workers. Non-academic programs draw community residents interested in continuing education and leisure time activities.

**The Follow Through Cultural-Linguistic Approach** is a model program of language elicitation providing opportunities for children to express themselves freely through their ethnicity. Similar model programs are operating in public schools in Chicago, Illinois; Topeka, Kansas; and Compton, California under the guidance of the staff from Inner City Studies.

**The Women's Educational Resource Center**, sponsored jointly with the Illinois Board of Higher Education, offers educational, vocational, and cultural interest activities for both sentenced and unsentenced females incarcerated at Cook County Jail Women's Correctional Center. The program includes course offerings, education information and referral services, and workshops.

**The Career Opportunity Program (COP)** is no longer funded. For mature adult students, the program offered a Bachelor of Arts degree in elementary education with students employed as teacher aides in Chicago public schools while completing studies for the degree. Despite the lack of funds, CICS still honors its commitment to those participants who wished to remain in the program until they graduated.

**The Community Services Program (Adult Activity Program)** offers community residents such continuing education and leisure time activities as General Education Development, business machine training, sewing, millinery, consumer education, crocheting, knitting, typing, catering, and quilting. Classes and programs are conducted both day and evening.

In summary, the Center for Inner City Studies provides a constituency of the university community both undergraduate and graduate programs with a variety of work experiences with inner-city residents as well as increased educational and community services.

The CICS library presently houses a collection of several thousand volumes, periodicals, theses, and other scholarly papers reflecting its focus on Black, Native American, and Spanish-speaking people along with general reference books. Materials in the library are accessible to faculty, staff, students, and community visitors.

Undergraduates may choose a major in inner city studies in either a non-teaching or an elementary education degree. The department offers a broad core of courses in a flexible approach to studying the inner city and includes opportunities for advanced undergraduates to complete courses at the Center for Inner City Studies. A major in inner city studies consists of 30 semester credit hours (18 required and 12 elective); courses in the department are three semester credit hours.

### ELEMENTARY EDUCATION PROGRAM

#### Required (core) courses for both programs (18 semester credit hours):

ICSE-103	Introduction to Inner City Studies
ICSE-201	History and Culture of Ethnic Groups in America
ICSE-301	Racism in Theory and Fact
ICSE-302	The Inner City Community
ICSE-303	Theory and Methodology in Ethnic Group Research
ICSE-304	Communication in the Inner City.

#### Electives (12 semester credit hours) to be selected from the following:

Courses offered advanced undergraduates at the Center for Inner City Studies (4545 South Drexel Boulevard):	
ICSE-324	Problems in Testing Inner City Children
ICSE-326	Language Behavior in Inner City Communities
ICSE-331	Literature of Ethnic Groups
ICSE-348	Intergroup Dynamics

**Additional courses required for non-teaching degree:** 37 semester credit hours of approved electives and 23 semester credit hours of cognate courses and other approved electives that will serve the student's special career needs.

**Additional courses required for elementary education program:** Satisfactory completion of an additional nine semester

credit hours of general education courses required for state certification, 28 semester credit hours of professional education, and 23 semester credit hours of electives.

See the Graduate College section of this catalog for information on the master's program in Inner City Studies.

## INSTRUCTIONAL MEDIA

The Instructional Media Program is an integrated print/nonprint program encompassing courses that were traditionally grouped under library science and audio-visual education headings. The program is designed to prepare media specialists in the form of school librarians, audio-visual coordinators, and instructional media specialists for today's schools. In addition, the program is designed to meet the needs of in-service teachers who wish to increase their competence in selecting, producing, utilizing, and evaluating instructional media to meet specific behavioral objectives. A student who meets all city and/or state teacher certification requirements upon completing a prescribed program in instructional media fulfills the state of Illinois, as well as the city of Chicago, certification requirements for a school librarian at the elementary level.

An academic minor in instructional media is offered, which consists of 18 semester credit hours. A master's degree program is presently in the proposal stages. All courses are three semester credit hours.

#### Courses Include:

INMD-331	Functions of the School Library
INMD-332	Technical Processes in School Libraries
INMD-333	Library Materials for Language and Creative Arts
INMD-334	Library Materials for Social Science and Natural Science
INMD-335	Reading Guidance in the Elementary School
INMD-351	Selection, Utilization, and Evaluation of Instructional Materials
INMD-352	Design and Production of Instructional Materials

#### Additional courses are available at the graduate level.

##### Required Courses:

INMD-331	Functions of the School Library and either
INMD-251	Introduction to Media Utilization or
INMD-351	Selection, Utilization, and Evaluation of Instructional Materials

##### Electives:

INMD-332	Technical Process in School Libraries
INMD-333	Library Materials for Language and Creative Arts
INMD-334	Library Materials for Social Science and Natural Science
INMD-352	Design and Production of Instructional Materials

## PHYSICAL EDUCATION

The department of Physical Education offers courses leading to the degree of Bachelor of Arts. Programs available are a major in physical education in a secondary education program, an elementary education physical education major, and minor programs in physical education, health, dance, driver education, and aquatics, as well as programs leading to certification in health and driver education.

Serving the entire university community, the department is concerned with educating students in health, physical education, and recreation along with developing their physical well-being and wise use of leisure time. All undergraduates with their advisor's consent may choose major courses in physical education as electives credited toward graduation (PE-HL-, PE-MA-, PE-MT-, PE-DR- prefix numbers). Extracurricular programs for men and women include intramurals, special events, and intercollegiate athletics. Schedules for the pool, gymnasium, and tennis courts allow and encourage students to participate in recreational activities and numerous physical education areas in order to help develop skills for present and future leisure time activities that will contribute to self-confidence, proper mental and physical well-being, tension release, and socialization.

Adaptive programs are outlined (with physician's approval) for the student with medical problems.

Students interested in a physical education major must make an appointment with the department advisor as soon as possible, because an individual academic plan is developed for each major student. The Professional Standards Committee of the department reviews faculty recommendations on students requiring special attention and meets with the student to discuss, recognize, and remedy any weaknesses.

The physical education major consists of 32 semester credit hours built around an 18-hour core sequence. Elementary and secondary 14 semester credit hour sequences complete the minimum requirement. The department requires a 3.7 average in the major for admission to the course/courses immediately preceding student teaching. Semester credit hours for courses are indicated in parentheses.

#### Required Courses (24 semester credit hours):

Choose two of the following courses to meet the mammalian anatomy prerequisite:

BIOL-101	Biology of Cells (3)	} Choice of two
BIOL-102	Biology of Organisms (3)	
BIOL-103	Biology of Populations (3)	

PE-HL-101	Basic First Aid (1)
PE-HL-301	Health Education in the Elementary School (2) or
PE-HL-305	Health Education in the Secondary School (2)
PE-MA-131	Beginning Gymnastics (1)
PE-MA-151	Fundamentals of Rhythms (3)
PE-MA-171	Softball (1)
PE-MA-173	Volleyball (1)
PE-MA-181	Foundations of Swimming (1)
Students with advanced proficiency in swimming may substitute an elective in physical education:	
PE-MA-191	Beginning Stunts, Tumbling, and Trampoline (1)
PE-MA-281	Senior Life Saving (1)
PE-MA-292	Advanced Tumbling, Gymnastics and Trampoline (1)
PE-MA-381	Water Safety Instructor (2)
PE-MT-302	Kinesiology (3)

### ELEMENTARY EDUCATION MAJOR IN PHYSICAL EDUCATION

Elementary physical education majors qualify for certification as grades 3-8 classroom teachers as well as specialists in physical education. The program includes the 31 semester credit hour elementary education professional education program, four semester credit hours in mammalian anatomy, a 32-hour physical education major program, and field experience in city and suburban schools while taking PE-MA-341

#### Additional courses required for elementary sequence (14 semester credit hours):

PE-MA-172	Basketball (1)
PE-MA-271	Track and Field (1)
PE-MA-276	Soccer, Speedball, and Football (1)
PE-MA-341	Foundations of Physical Education for Elementary Schools (3)
PE-MT-201	Principles and Methods in Physical Education (3)
PE-MT-301	Physical Education Seminar (2)

#### Physical education electives (3 semester credit hours)

### SECONDARY PHYSICAL EDUCATION MAJOR

Secondary physical education majors follow a course of study that prepares them for certification as specialists in secondary physical education. They may choose elective courses in the driver education sequence that will qualify them as driver education teachers in Illinois high schools. The program includes the 18-semester credit hour secondary education professional program, four hours of mammalian anatomy, a 32-hour physical education major program, which includes a field experience in secondary physical education during the trimester prior to student teaching, a duality program of six weeks in a suburban high school and six weeks in a Chicago public high school. Physical education majors report to cooperating schools five days a week from noon until 5:00 p.m. (subject to schedule of cooperating school) and attend classes on campus mornings. The field experience program occurs only during the fall trimester, and secondary student teaching only during the winter trimester.



**Additional courses required for secondary sequence (9 semester credit hours):**

- PE-MA-344 Foundations of Physical Education for Secondary Schools (3)
- PE-MT-341 Organization of High School Classes (3)
- PE-MT-321 Intramurals—High School (3) and two semester credit hours of electives.

**Major courses required (student to choose courses with consent of instructor)**

- PE-MA-252 Folk, Round and Square Dance (1)
- PE-MA-253 Social Dance and Latin American Rhythms (1)
- PE-MA-274 Advanced Team Games for Women (3)
- PE-MT-311 Coaching and Team Management—High School (3)

**READING**

The department of Reading offers courses leading to an undergraduate minor and a graduate level major. The basic objectives of the Department of Reading are: 1) to train teachers and prospective teachers to deal with reading problems in elementary and secondary schools, (2) to prepare reading specialists who can diagnose and remedy reading difficulties as well as to plan and carry out developmental and remedial reading programs, and 3) to offer remedial reading instruction to any university student with reading difficulties.

The department offers undergraduate courses leading to a "Minor in Reading." Undergraduate courses include the following:

- READ-301 Teaching Reading in Junior and Senior High School
- READ-306 Linguistics and Reading
- READ-311 Fundamentals of Reading Instruction
- READ-312 Classroom Evaluation of Reading
- READ-313 Materials for Reading
- READ-314 Teaching Reading to the Educable Mentally Handicapped Child
- READ-415 Supervised Field Experience in Teaching Reading

**MINOR IN READING**

The minor in Reading serves undergraduate prospective teachers at the primary, elementary, and secondary levels. Courses in the minor are accessible, as well, to other students who desire more knowledge in the field of reading. In addition, this broader scope of course offerings are available for in-service teachers to enhance their knowledge and skill in teaching reading. The minor consists of nine required and nine elective semester credit hours:

**Required Courses (9 semester credit hours):**

- READ-311 Fundamentals of Reading Instruction
- COUN-321 Diagnosis and Treatment of Reading Difficulties

**One of the following courses:**

- ECED-306 Teaching Reading in the Primary Grades
- ELED-306 Methods of Teaching Reading—Elementary School
- READ-301 Teaching Reading in Junior and Senior High School

**Elective Courses (9 semester credit hours):**

- Choice of **three** of the following:
- READ-306 Linguistics and Reading
- READ-312 Classroom Evaluation of Reading
- READ-313 Materials for Reading
- READ-314 Teaching Reading to the Educable Mentally Handicapped Child
- READ-315 Supervised Field Experience in Teaching Reading

The department of Reading offers graduate level courses leading to the "Master of Arts in Education: Reading." Details of the graduate courses and the Master's Program in Reading are in the Graduate College section of this catalog.

**SECONDARY EDUCATION**

The department of Secondary Education (Grades 6-12) offers professional courses for prospective junior and senior high school teachers. The department offers the course, "Methods of Teaching on the Secondary Level" which is taken by all students enrolled in a secondary education teaching program regardless of discipline. However, only English, history, mathe-

matics, and social science majors take their academic major methods course and student teaching through the Department of Secondary Education. All other majors take such courses from the academic departments.

**I. Courses in academic major (depends on major) (32-45 semester credit hours)**

**II. Professional Education\* (22 semester credit hours)**

- EDFN-201 Educational Psychology (3)
- EDFN-215 Philosophical and Historical Foundations of Public Education (4)
- SCED-301 Methods of Teaching on the Secondary Level (3)
- SCED— Methods of Teaching \_\_\_\_\_ in the Secondary School (3)
- SCED— Secondary Student Teaching and Seminar in \_\_\_\_\_ (9)

\*Students who already have a degree and are interested in meeting certification requirements should obtain a special handbook from the office of the Dean of the College of Education.

**SPECIAL EDUCATION**

The undergraduate major in Special Education is designed to prepare teachers in one of four areas of special education: (a) mental retardation, (b) social and emotional maladjustment, (c) learning disabilities, and (d) cultural disadvantage.

The major in special education is built upon the basic program requirements and state certification requirements plus the required hours in professional education. Courses are three semester credit hours unless otherwise indicated in parentheses. All special education majors take the following seven courses.

**Required Courses:**

- EDFN-216 Education and Individual Differences
- SPED-303 Measurement and Evaluation
- SPED-304 Psychology of Exceptional Children
- SPED-300 Supervised Field Experience I
- SPED-321 Introduction to Behavior Management
- SPED-311 Diagnosis of Children with Severe Learning Disabilities and/or Central Nervous System Dysfunction
- SPED-312 Remediation in Teaching Children with Severe Learning Disabilities

Beyond these seven basic courses, special education majors elect one of the following sequences:

**MENTAL RETARDATION SEQUENCE**

**15 semester credit hours**

- SPED-330 Psychology of the Mentally Handicapped Child
- SPED-306 Play and Creative Expression for the Academically Handicapped Child
- or
- SPED-307 Vocational Preparation for the Academically Handicapped Child
- or
- SPED-320 Mental Health and Behavior Deviations
- SPED-331 Teaching the Educable Mentally Handicapped Child
- SPED-339 Practice Teaching with Educable Mentally Handicapped Children (6)

NOTE: SPED-332 Reading for the EMH Child is a recommended elective, and required for EMH teaching in Chicago.

**LEARNING DISABILITIES SEQUENCE**

**15 semester credit hours**

- SPED-310 Psychopathology of the Brain-Injured Child
- SPED-320 Mental Health and Behavior Deviations
- SPED-319 Practice Teaching the Children with Learning Disabilities (6)
- COUN-321 Diagnosis and Treatment of Reading Difficulties
- NOTE: SPED-305 Principles of Speech Pathology for Classroom Teachers is a recommended elective and required for LD teaching in Chicago.

**SOCIAL AND EMOTIONAL MALADJUSTMENT SEQUENCE**

**15 semester credit hours**

- SPED-320 Mental Health and Behavior Deviations

- SPED-306 Play and Creative Expression for the Academically Handicapped Child
- or
- SPED-307 Vocational Preparation for the Academically Handicapped Child
- ANTH-341 Culture of Poverty
- SPED-329 Practice Teaching with Socially or Emotionally Handicapped Children (6)

**CULTURAL DISADVANTAGEMENT SEQUENCE**

**17 semester credit hours\***

- SPED-320 Mental Health and Behavior Deviations
- SPED-380 Educational Implications of Black History and Culture
- ANTH-341 Culture of Poverty
- SPED-381 Language Instruction for the Disadvantaged
- HSRV-311 History and Cultures of Native Americans (5) or
- HSRV-312 History and Cultures of Hispanic Americans (5) or
- HSRV-313 History and Cultures of Southern White Migrants (5)

\*Practice Teaching with Culturally Disadvantaged Children will be waived for students receiving A's or B's in Student Teaching if they did their student teaching with a disadvantaged group, otherwise SPED-389 Practice Teaching with Culturally Disadvantaged Children (6 credit hours) is required.

**STUDENT TEACHING PROGRAM**

Combined with the necessary requirements for a degree in education, student teaching is a vital and rewarding experience in conducting the work of a classroom teacher. The student teaching program at Northeastern Illinois University extends through a full trimester, either fall or winter. In addition to the guided classroom sessions, students participate in a weekly two-hour seminar.

Student teaching is offered only as a full-time, 16 week experience of nine semester credit hours.

Student teaching is open to Northeastern Illinois University undergraduates with senior standing (90 or more semester credit hours) who have successfully completed their respective departmental requirements.

Prospective student teachers may plan on fulfilling their student teaching requirement during either of the last two trimesters in residence.

**Requirements for Admission**

1) Admission to the College of Education, 2) a minimum cumulative grade point average consistent with that cumulative grade point average required for admission to the College of Education, 3) Satisfactory completion of all professional preparation courses, 4) Departmental permission.

Application forms for student teaching may be obtained at general orientation and application meetings that will be held on campus, approximately ten months before the term a candidate will be student teaching. Notice of such meetings will be posted throughout the campus and sent to all departments. The prospective student teacher will be responsible for attending these scheduled meetings.

Applications for prospective teachers will be available at the following times, but more specific information is available in the Office of the Director of Student Teaching, office 4-039.

Term of Student Teaching	Applications Available
Fall Trimester, September to December	previous November
Winter Trimester, January to April	previous March

NOTE: No student teaching program is offered during the May-June or July-August terms.

NOTE: Prospective student teachers must formally register for the course in student teaching. Making application for student placement does not fully satisfy the student's responsibility for formal registration.

**Unclassified Graduate Students**

Unclassified graduate students are admitted to Northeastern Illinois University to pursue courses toward state and/or city certification upon presenting to the Admissions Office proof of graduation with a bachelor's degree from an accredited college or university. These students may then take any courses necessary to enable them to receive certification by the Board of Education of the City of Chicago or the State of Illinois. Admission to student teaching may require additional course work beyond the minimum required for certification. Approval for application for admission to student teaching must be obtained from the individual departments in the College of Education and the director of student teaching.

**URBAN COMMUNITIES TEACHER EDUCATION PROGRAM**

The College of Education began an experimental teacher program in 1971 that offered early field opportunities for students preparing to teach in elementary schools. The Urban Communities Teacher Education Program is an alternative in elementary education, and its benefits are gaining knowledge and a sense of accountability through pre-service experiences in inner-city and suburban schools. The Urban Communities Teacher Education Program combines the liberal arts and professional teacher education.

Courses in the liberal arts component are completed on campus, each department developing course content and schedules. A student is required to complete the basic program requirement, an area of concentration in art, language arts, mathematics, music, natural science, physical education, social science, Spanish, or special education, and a substantial number of electives. This component does not differ significantly from the campus-based program for students desiring to teach in elementary schools.

The professional education component, however, represents a major change. In a public or parochial school setting, the student actively participates in progressively more demanding practical experiences and increasingly advanced classroom activities, functioning as a teacher assistant. The professional study of education is completed in seminars in the cooperating schools, blending theoretical study and practical application. At the same time, teacher teams, whose success has been demonstrated, and Northeastern Illinois faculty build bridges between theory and practice.

The synthesis of cooperation and relevancy in the Urban Communities Teacher Education Program provides a quality education, and involving students in pre-service experiences produces prospective teachers who are properly prepared and enthusiastic about teaching in these inner city and suburban schools.

**Professional education course requirements include:**

**Introductory Education Classes:**

- EDFN-201 Educational Psychology (3)
- EDFN-215 Philosophical and Historical Foundations of Education (4)
- EDFN-216 Education and Individual Differences
- TEDC-301 Curriculum of the Elementary School (3)

**Five methods courses and micro-teaching taken in any order:**

- TEDC-302 Methods of Teaching Language Arts (2)
- TEDC-303 Methods of Teaching Mathematics (2)
- TEDC-304 Methods of Teaching Social Studies (2)
- TEDC-305 Methods of Teaching Science (2)
- TEDC-306 Methods of Teaching Reading (2)
- CPD-TCHR-348 Micro-Teaching in a Teaching Center (2)

**After introductory education courses:**

- ELED-314 Teaching the Gifted Child (2) or
- ELED-315 Teaching in the Inner City (2) or
- ELED-316 Teaching the Slow Learning Child (2) or
- CPD-TCHR-347 Individualizing Instruction in the Classroom (3)



**The teacher aide experience requires:** Registration in Laboratory in Elementary Education over a period of one or several trimesters for 2-12 elective credit hours (written permission needed to receive more than 12 credits). Two lab credits are required.

**Student teaching** (full day) is usually completed in the same school as the teacher aide experience.

**Other courses** beyond or within the basic program and area of concentration are required in order to be certified in Illinois. (each is three credit hours unless indicated otherwise in parentheses). ART-101 (suggested), MUS-101 (suggested), Health

Education in the Elementary School (2), a physical education activity (1), Constitution examination (successful completion of PSCI-211 or PSCI-216 also fulfills this requirement), an American history and/or government course, an English course, and a science course.

**Electives** may be selected to complete the 120-hour graduation requirement.

Additional information on the Urban Communities Teacher Education Program may be obtained from the College of Education, extension 620, or the program office, extensions 628 and 629.



## ACCREDITATION

The Graduate College is accredited by the North Central Association of Colleges and Secondary Schools, and by the Department of Public Instruction of the State of Illinois. It is also a member of the Council of Graduate Schools in the United States.

# THE GRADUATE COLLEGE

The Graduate College attempts to provide the atmosphere and facilities in which qualified students join faculty in extending their knowledge and competence and sharing in research of professional and scholarly nature.

The Graduate College offers the majority of its course work during the late afternoon and evening to accommodate teachers and others in the Chicago area who are pursuing an advanced degree on a part-time basis, or who are taking course work for the purpose of professional advancement. Because the graduate program is organized essentially for part-time students, full-time students may on occasion have difficulty in scheduling a full program.

## ORGANIZATION OF THE GRADUATE COLLEGE

The Dean of the Graduate College is responsible for implementation of institutional policies related to the Graduate College.

Faculty participation in the development of policy for the Graduate College is ensured through the deliberations of the Graduate Executive Council, a council elected by and from the Graduate faculty.

**All student inquiries and petitions should be channeled through the Dean of the Graduate College. Applications for admission, for acceptance to degree candidacy, and for graduation should be submitted to the Graduate Office.**

Graduate advisors are assigned by the disciplines in which the graduate students are enrolled.

## ACADEMIC INFORMATION

### Attendance

Attendance in class is compulsory. The responsibility for enforcement of attendance rests with each faculty member, at whose discretion a student may be dropped from class for absence with a grade of "F" (Failure).

In the event of return following extended absence due to illness, a student may be required to present a statement signed by a physician, concerning the nature and duration of that illness.

A student must attend the class and section for which he is registered. He may not attend a class other than the one for which he is registered.

A student may not attend meetings of a class without first registering for it. However, a student dropping a course within the first nine weeks of the sixteen week trimester, or within the first five weeks of an eight week term, may remain in attendance without possibility of credit, provided he has the consent of the instructor and continues in residence at the university.

Students are required to be present at the beginning of the term and to remain until the work of the term is finished.

### Unit of Credit

The unit of credit is the semester hour. The semester hour consists of the equivalent of one 50-minute lecture or discussion period, or two laboratory periods per week, for a trimester. For individual study programs, the time requirement for a credit unit will be arranged.

### Marking System

Letter grades are given; the grade point values are:

Letter Grade	Grade Points Per Credit Hour
A	5
B	4
C	3
D	2
F (failure)	1
P (Pass-used in Program for Interdisciplinary Education)	No grade point value
S/U (Pass/Fail) (Undergraduates only)	No grade point value
V (visitor)	No grade point value, No credit
I (incomplete)	

Under certain circumstances, the symbols L (left), W/P (withdrew/passing), and W/F (withdrew/failing), are used instead of letter grades. (See Dropping Classes).

I (Incomplete), may be given if a student is absent from the final examination or fails to complete a special research or individual study project because of some unavoidable circumstances, such as illness. The instructor should be notified within twenty-four hours after the time scheduled for the examination or completion of the paper or project. It is the responsibility of the student to make arrangements for removal of an incomplete grade. The I (incomplete) will be retained until such time as the instructor assigns a regular grade.

V (Visitor). A student who wishes to audit courses must obtain the written permission of the instructor, must register in the regular manner, and pay all fees charged students earning credit in the same course. Auditors' names will appear in the record designated as V, and no credit will be conferred. Once a



student has enrolled as an auditor in a course, he may not change his registration to earn credit.

### The Student's Program

The recommended credit hour load for full-time students in the graduate program is 12 semester hours of academic work in the regular sixteen-week trimester and six semester hours in the special eight-week terms.

The recommended credit hour load for students who are engaged in full-time employment is six semester hours in the sixteen-week trimester and three semester hours in the eight-week term.

### Dropping Classes

A student who wishes to drop a class during the first nine weeks of instruction in the regular sixteen-week trimester, or during the first five weeks of instruction in the eight-week terms, must fill out a change of registration form in the Record Office and pay a change of registration fee. Before the end of the ninth week of the sixteen-week term, or the end of the fifth week of the eight-week term, a student may be dropped from class for absence as well as for other reasons. A student who drops a

## ADMISSIONS

### GENERAL ADMISSION REQUIREMENTS

All applicants who wish to enroll as graduate students at Northeastern Illinois University must submit applications and must satisfy the following general requirements.

1. Possession of a degree from an accredited college or university, or an institution that is recognized for full transfer credit.

In order to be considered for admission to a degree program of the Graduate College, students are expected to possess a high level of scholastic ability as reflected by an undergraduate grade point average of 3.75 or better (5-point scale).

2. Degree transcripts from foreign schools require special evaluation. Accordingly, a delay in processing the application should be anticipated.

#### Admission as an Unclassified Student

Applicants who wish to enroll as graduate students but who do not intend to seek admission to a Master's degree program, should:

1. Fulfill the general requirements.
2. Secure a Registration Permit from the Admissions Office prior to the time of initial registration.
3. Select appropriate courses, those for which the student is eligible in terms of prerequisites or "consent of instructor." Students who do not have the published prerequisites may be required to drop the course and to pay the change of registration fee. In reading the prerequisites, careful attention should be paid to the differences among "graduate standing," "degree student" and "master's degree candidate."

**graduate standing** indicates possession of an acceptable degree;

class or withdraws from the university during these periods receives an L (left).

Beginning with the tenth week of the sixteen-week trimester or the sixth week of the eight-week term, official withdrawal from any class is no longer possible; **unofficial withdrawal results in a failure.** Special circumstances, such as extended serious illness, may make it necessary or advisable for a student to drop courses after this period. In that event, at the discretion of the instructor, with approval of the appropriate Dean, a grade of W/P (withdrew passing) or W/F (withdrew/failing)—depending on the student's status in the class—may be given instead of F.

### In-service and Institute Programs

The university also provides an opportunity for teachers to improve their academic background and their classroom skills by specialized course offerings and in-service institutes. These courses are scheduled in the late day, evenings, and Saturdays or during the summer. Many of these courses are given at the graduate level and may be used for promotional credits or salary adjustments. Separate brochures describe these institutes and workshops.

**degree student** means that the student has been admitted to a specific graduate program; and

**master's degree candidate (MDC)** means that the student has completed a significant portion of the program and has been formally accepted for degree candidacy.

**Courses taken as an unclassified graduate student are not automatically accepted in a degree program if the student subsequently applies for admission and is accepted.**

**Nine hours is the maximum credit earned by an unclassified student that may be applied to a degree program if the student gains admission.** Such work would have to correspond to the specific degree program requirements and would have to satisfy the scholastic requirements of the Graduate College.

### Admission to a Degree Program

Admission to a Master's degree program may be full or conditional. Full admission requires:

1. Fulfillment of the general admission requirements.
2. Filing of the Application for Admission (Graduate Office), submission of the \$15.00 evaluation fee (Business Office), and arranging for receipt of two copies of the transcripts of each college or university previously attended.

The Graduate College cannot accept "in hand" transcripts submitted by students, nor—once a transcript has been forwarded as a corroborating document—can it be released from the files of the Graduate College. Delay in the receipt of transcripts will delay evaluation of the Application for Admission; it is the applicant's responsibility to arrange for receipt of transcripts by the Graduate Office directly from the colleges previously attended.

3. Departmental or program committee approval, including any additional specific requirements. The final decision regarding all applications for admission rests with the graduate faculty members of the appropriate department.

After the Application for Admission has been evaluated, the student will receive a letter from the Dean of the Graduate College indicating the results of the evaluation. If the evaluation is not completed by the time of registration, the student may register as an unclassified graduate student. Please refer to the section for Admission as an Unclassified Student.

Since each graduate degree program has its own specific course requirements, it is imperative that the student assume the responsibility for contacting the assigned advisor in the program. The letter of admission will identify the advisor. **Detailed program counseling cannot be done—and should not be expected—at registration time; the student should arrange for an appointment with the advisor well in advance of any registration period.**

### Conditional Admission to a Degree Program

Conditional admission to a degree program may be granted upon the approval of the Dean of the Graduate College and of the departmental advisor.

1. Conditional status may result from:
  - a. possession of a degree from a non-accredited college or one that is not granted full transfer credit, or
  - b. a marginal undergraduate grade point average not clearly qualifying a student for consideration for full admission.

**The above conditions must be removed no later than at the completion of 12 hours in the degree program by achievement of a minimum grade point average of at least 4.0 (B); otherwise, the conditional admission is rescinded.** The student may, however, continue to take courses as an unclassified graduate student, subject to the regulations appropriate thereto.

2. Conditional status may result from failure to meet specific departmental requirements. Such conditions must be satisfied by such time as is deemed appropriate by the Dean of the Graduate College and by the departmental advisor. **In no case will the student be accepted to degree candidacy until all provisions of the conditional admission are satisfied.**

### Requirements for Degree Applicants

In addition to the requirements for admission to a degree program (possession of the necessary prerequisites, an average of at least B in the undergraduate work that forms the foundation for the graduate program, and an over-all undergraduate scholastic average of at least C+ ) the student must, during the period while working for the Master's degree, satisfy the following requirements:

1. The majority of the courses applied to the Master's degree must be 400 level courses. All graduate credits within the scope of the specific Master's program, not only those actually applied, must average at least B. No more than six hours of C credit will be accepted. Grades below C bear no credit toward the degree and the student will become ineligible for the degree upon receiving grades below B in four courses.

2. To remain in good standing in a degree program in the Graduate College, the student must make satisfactory progress on a continuing basis. Lack of progress will normally result in the student being dropped from the program.

3. Unless specific departmental requirements indicate another standardized test, the student must take and perform acceptably on the Miller Analogies Test by the time he has completed no more than six hours of work in the degree program. This test is scheduled periodically at the university. Information on test dates and times can be obtained from the Student Services Office.

4. In the Master of Education program in Language Arts, and in the Master of Arts sequences in Special Education, the student must possess a **permanent** (not temporary) city or state teaching certificate.

5. The sequences in Elementary and Secondary School Guidance and Counseling require one year of teaching experience **after** receiving permanent teacher certification. Three letters of recommendation must be sent to the Department of

Counselor Education at the time of application. An interview may also be required.

6. The Master of Arts in Special Education requires two letters of recommendation at the time of application. An interview may also be required.

7. Applicants for the Master of Science in Biology must take the Graduate Record Examination. Results of the Aptitude and Advanced Tests should be forwarded to the Graduate College.

### Documents to be Submitted by Degree Applicants

From the time of admission to a degree program to the date of commencement and the awarding of the Master's degree, the applicant must submit to the Graduate Office the following documents in the sequence indicated:

**(Note the difference between admission to a degree program and acceptance to degree candidacy)**

1. **"Application for Admission to the Graduate College."** with indication of a specific degree program. Duplicate copies of all transcripts are required to complete the application. (See Admission to a Degree Program). A letter with the results of the evaluation will be sent to the applicant.

2. **"Application for Acceptance to Candidacy for the Master's Degree."** This form should be submitted after the student has been admitted to a degree program and after completion of a minimum of 12 hours of course work in the program, during which competence and professional motivation have been demonstrated through the achievement of a grade point average of at least 4.0 (B). A maximum of six hours of course work accepted on transfer from other colleges or universities may be used for the candidacy application. All provisions for students admitted conditionally must have been satisfied. (See also requirements 3, 4, and 5 under "Requirements for Degree Applicants.")

3. **"Preliminary Application for Graduation."** After the student has been accepted for degree candidacy and when there is reasonable expectation for graduation, the preliminary application should be filed. The status of the applicant will be determined and information on outstanding requirements will be provided.

The student will also be informed as to whether or not there is a possibility for completion of these requirements by the deadline date preceding the date of anticipated graduation. This deadline is approximately six weeks in advance of graduation and **all requirements must be completed as of the deadline. Extensions and/or exceptions cannot be granted and should not be requested!**

4. **"Final Application for Graduation."** After the preliminary application has been approved and the student plans to complete the outstanding requirements by a given deadline date, the final application should be filed. The non-refundable and non-transferable graduation fee of \$15.50 must accompany the final application. The \$15.50 fee cannot be carried over if the student fails, for any reason, to graduate on schedule.

**Deadline dates for submission of the various applications and for the completion of requirements for graduation are given each trimester in the Schedule of Classes. Directions for filling out each form are supplied with the form.**

### Transfer of Credits, Time Limitations, etc.

1. A minimum of 21 hours of graduate work must be taken at Northeastern Illinois University before the Master's degree may be awarded.

2. **A maximum of nine hours of transfer credit may be accepted.** Students desiring to transfer credits must first be admitted to a degree program and must write a letter of petition to the Dean of the Graduate College. **The course(s) in question should be identified by title, number, school and a general description.** A transcript of the work must be on file in the Graduate Office. The petition will be evaluated by the appropriate department and the student will be informed of the results. The criteria for acceptance are: the work must have been taken at an accredited institution; it must be relatively recent; the grade(s) must be at least B; and the course(s) must be applicable to the degree sequence.



3. In the case of graduate credit taken at colleges and universities outside of the United States, recommendation of the appropriate department and approval of the Graduate Dean must be secured for transfer credit. Documentation of work abroad will be necessary and consultation with an outside agency may be necessary.

4. A maximum of six hours of graduate work taken at Northeastern prior to the granting of the bachelor's degree **may** be considered for acceptance if these credits have not been applied to the baccalaureate degree and if they were completed during the senior year.

5. **The graduate program must be completed within a period of six years.** Course credit will be withdrawn for any work completed more than six years prior to the granting of the Master's degree.

6. Students applying for waiver of specific course requirements through demonstration of competence may petition the appropriate department or program committee.

Students who plan to take courses through Independent Study or Tutors Study, or who plan to register for the Thesis Seminar, must complete appropriate forms. The Independent Study and Tutors Study forms may be obtained from the Records Office. The Thesis Seminar form may be obtained from the Graduate College Office. These completed forms must be submitted to the Records Office **AT LEAST ONE WEEK PRIOR TO THE STUDENT'S REGISTRATION.**

#### Thesis Procedures

The "Manual of Thesis Procedures" is available upon request at the Graduate Office. Students who write a thesis or do a project as part of their graduate degree requirements are expected to be familiar with and to follow the guidelines as indicated in this pamphlet.

#### Certification of Status

If a graduate student has completed all academic requirements and is awaiting the formal awarding of the degree at the following commencement exercises, the Dean of the Graduate College will, upon the students' written request, issue a letter certifying the student's status. Such letters are normally accepted by boards of education for salary increment purposes and by other universities as certification that the degree has been earned.

#### Exceptions

Exceptions to the published regulations of the Graduate College may be made only after approval of the Graduate Dean following the submission of a petition.

#### Changes in Policy

**Northeastern Illinois University reserves the right to make whatever changes in policy may be necessary from time to time.**

#### Chicago Certification, State Certification

Individuals who wish to take course work in order to meet Chicago certification requirements, extend their certificates, or meet course requirements for an additional certificate, should acquaint themselves with the rules and information regarding examinations of candidates for certificates to teach as published in the Circular of Information issued by the Board of Examiners, 228 N. LaSalle Street, Chicago, Illinois 60601.

Individuals who wish to take course work for the purpose of meeting State of Illinois certification requirements are advised to secure detailed information from the Illinois State Certification Board, 188 W. Randolph Street, Chicago, Illinois 60601.

A summary of requirements for various types of certificates is available from the College of Education (Classroom Building, Room 4-044) in its booklet **Teacher Certification Manual for Unclassified Graduate Students.**

#### FINANCIAL ASSISTANCE FOR GRADUATE STUDENTS

Graduate students anticipating enrollment at Northeastern in September 1976 and September 1977 will find prospects for financial assistance only fair.

#### Fellowships and Grants

Most desired forms of assistance—fellowships and grants—appear to be extremely limited for Northeastern graduate students at the present time. As far as this office has been able to determine, the only fellowships likely to be available are a limited number in Special Education to cover the summer, fall, and possibly winter terms. Interested students should contact the Chairperson of the Special Education Department for information and application forms.

Otherwise, students are asked to use their own initiative to investigate sources outside of Northeastern. Financial Aid Reference Volumes in the Library and the Financial Aid Office may be consulted upon request.

#### Assistantships

In all past years, Northeastern has offered a number of graduate assistantships in various academic areas. However, at the time of this writing, severe budgetary limitations have prompted reordering of university priorities to the extent that few assistantships are deemed likely. Applicants may direct inquiries to chairpersons of academic departments in which they wish to concentrate their work.

#### Standard Federal Aid Programs

##### 1. National Direct Student Loans (formerly "National Defense Student Loans"):

In recent years, significant numbers of graduate students at Northeastern have been able to receive National Direct Loans to help meet financial needs. Rising educational costs since 1970, however, have forced dramatic increases in undergraduate applications (which have traditionally been assigned a higher priority at Northeastern), and the effect has been to limit loan allocations to graduates. If you are at all interested in loan funds under this program (\$1,500 per academic year is our local maximum) we suggest submission of the application as soon as possible.

**NOTE:** As of this printing, the President of the U.S. has not requested funds in his '77-'78 budget for continuation of the NDSL program. This means that if Congress cannot effect an extension of the program through legislative efforts in the spring of '76, this most venerable of Federal aid sources will cease to be available to students except for a relatively small sum generated through annual repayments by students. It is possible that graduate students will generally have better success if they seek loan assistance through the Guaranteed Loan Program.

**Standard Repayment Procedure:** For all students **not** participating in special cancellation arrangements, repayment at a rate of \$90.00 quarterly (every three months) begins one year after termination of studies. Payment usually extends over a number of years—maximum of ten. Interest is 3% per annum.

**Cancellation-of-Indebtedness Privilege:** Students who borrow under the NDSL program and subsequently enter certain specific areas of teaching (special education, teaching in poverty areas, Headstart, etc.) may cancel a portion, or in some cases, all of their loan indebtedness. (If you wish further details on cancellation please contact the Northeastern Financial Aid Office.)

**NOTE:** As of this printing, legislative efforts are underway to 1) eliminate (in '77-'78) all forms of cancellation except death and disability and 2) to increase the NDSL annual interest rate to 8%. Thus, graduate students interested in loans in '77-'78 should check with the Financial Aid Office for updated information.

##### 2. College Work-Study Program:

Graduate students are encouraged to apply for part-time employment under the Federal Work-Study Program. Such employment will likely be limited to 15-20 hours per week and may be assigned at the Northeastern campus or at any one of a number of community agencies (normally social service agencies) in the Chicago area.

**3. Veterans Readjustment Benefits Act (G.I. Bill):** Graduate veterans may of course apply for G.I. Bill Benefits—part-time or full-time—through the Northeastern Veterans Office. Applications and information forms are available upon request.

Benefits are limited to \$270 per month for single veterans, \$321 for those with one dependent, and \$366 for those with two dependents (plus a flat rate for each additional dependent).

#### Guaranteed Loan Program

Perhaps the surest aid source for graduate students is the Guaranteed Loan Program (in some states referred to as "Federally Insured Loan Program"). Full-time graduate students are eligible for a maximum of \$2,500 per academic year; part-time, \$1,250.

**Interest Factor**—7% per annum: Applicants demonstrating need (as evaluated by the Financial Aid Office) may defer payment of interest until nine months after graduation. Applicants not demonstrating need (or those who chose not to submit a need assessment document) will be required to begin payment of interest shortly after receipt of their check from the lending institution.

**Repayment of Principal** begins nine months after the borrower graduates (or departs) from the institution and may not be extended beyond ten years. Minimum payment on principal is \$30 per month.

#### State Programs for Illinois Residents

1. Special Education Training Scholarship: Available only to already certified teachers who wish to work toward acquiring an additional degree in special education. The scholarship covers tuition and certain fees and must be applied for through the office of your County Superintendent of Schools. A total of 250 are available throughout the state each year.

2. Special Education Grants (under Section 30-14-2 of Illinois School Code) (State): Already-certified teachers who are seeking additional certification to teach special education in areas designated as poverty areas by the Office of Economic Oppor-

tunity may wish to contact the Special Education Department (Northeastern).

3. Illinois Veterans Scholarship: Veterans of at least one year of active duty in the Armed Forces of the U.S. may apply (directly to the Northeastern Financial Aid Office) for an Illinois Veterans Scholarship that covers tuition and certain other fees for up to four **cumulative** years of use spread over a maximum of 12 years. Graduate students may use the scholarship for full-time or part-time study.

A copy of official armed forces separation form, DD214, must accompany the completed application.

#### How to Apply

If you wish to apply for the Federal Aid programs enumerated above, write to the Financial Aid Office and request a general Financial Aid Application and a Family Financial Statement (FFS) (deadline for first priority is May 1 of each academic year). We endeavor to announce Federal Aid awards by July 1 (personal award letter sent to each applicant).

Veterans interested in the Illinois Veterans Scholarship should request a Veterans Scholarship Application form from the Financial Aid Office. We should be able to determine your eligibility within a week after your completed application arrives.

Illinois Guaranteed Loan Applications are available in the Financial Aid Office and will be mailed upon request. Such loans normally take about a month to process (checks are mailed from the bank to the Northeastern Financial Aid Office for disbursement to individual applicants).

Please refer additional inquiries to the Northeastern Financial Aid Office. Telephone: 583-4050.

## MASTER'S DEGREE PROGRAMS

<b>ENGLISH</b> (Also see Linguistics)	50
Master of Arts in Literature	50
Master of Education in the Teaching of Language Arts	50

<b>GUIDANCE AND COUNSELING</b>	50
Master of Arts in Guidance and Counseling	50
Sequence I	
Elementary School Level	51
Sequence II	
Secondary School Level	51
Sequence III	
Vocational Counseling	51

<b>INNER CITY STUDIES</b>	51
Master of Arts in Inner City Studies	51

<b>LINGUISTICS</b>	51
Master of Arts in Linguistics	51
Sequence I	
English Linguistics	51
Sequence II	
General Linguistics	52
Sequence III	
Applied Linguistics	52
Sequence IV	
Teaching English as a Second Language	52

<b>MATHEMATICS</b>	53
Master of Science in Mathematics	53
Master of Arts in Mathematics	53
Sequence I	
For Elementary School Teachers	53
Sequence II	
For Junior High School Teachers	53

NORTHEASTERN ILLINOIS UNIVERSITY

<b>NATURAL AND PHYSICAL SCIENCES</b>	54
Master of Science in Biology	54
Master of Science in Chemistry	55
Master of Science in Earth Science	55
Master of Science in Physics	56

<b>READING</b>	56
Master of Arts in Education: Reading	56

<b>SOCIAL SCIENCES</b>	57
Master of Arts in American Studies	57
Master of Arts in Social Science	57
Master of Arts in Geography and Environmental Studies	58
Sequence I	
Geography and Environmental Studies	58
Sequence II	
Urban Land Use Planning	58
Master of Arts in History	58
Master of Arts in Political Science	59

<b>SPECIAL EDUCATION</b>	59
Master of Arts in Special Education	59
Sequence I	
Teaching the Educable Mentally Handicapped Child	59
Sequence II	
Teaching the Trainable Mentally Handicapped Child	60
Sequence III	
Educating Children with Behavior Disorders	60
Sequence IV	
Teaching the Socially Maladjusted Child	60
Sequence V	
Teaching Children with Learning Disabilities	60

<b>SPEECH</b>	60
Master of Arts of Speech	60



MASTER OF ARTS IN  
LITERATURE

The program is designed to provide advanced study in literature. It can serve for personal development and for professional advancement, particularly in such fields as teaching, editorial work, journalism, publishing, writing, and research. The program also prepares students for advanced studies leading toward the Ph.D.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Students electing this program must have completed a minimum of thirty hours of undergraduate work in composition and literature. Included in the thirty hours must be courses in two of the following areas: Chaucer, Shakespeare, Literary Criticism. (History of the English Language may be substituted for Chaucer). Courses in all three areas must be completed by the conclusion of the degree program.

Requirements for the Degree

The program requires thirty-three hours of course work in literature, principally English and American, and final written and/or oral examination(s).

Thesis Option

A scholarly thesis or an original imaginative work may be written, earning six hours credit. After achieving degree candidacy, the student, in consultation with the Graduate Coordinator, should select a topic and suggest an advisor in the area of the topic. The approved thesis or imaginative work must be submitted to the Graduate Coordinator at least one month before a formal defense.

Examinations

A written examination, described in department literature, will be sustained by all candidates at the conclusion of the course. It is ordinarily offered in February, June, and October. A student who fails the examination may take it a second time. Permission to sustain it a third time must be granted by the departmental graduate committee after a review of the student's record. Additional course work may be required before a third and final attempt.

A student completing a thesis or an imaginative work will submit to an oral examination on its subject and background.

Courses

Courses should be chosen with a view to achieving adequate and substantial preparation in English and American literature with some work in world literature. The usual program:

	Credits
ENGL-431 Bibliography and Methods of Literary Study. ....	3
American literature courses at the 400 level including at least one seminar .....	6
English literature courses at the 400 level including at least one seminar .....	9
Electives to be chosen from 300 level or 400 level courses .....	9
ENGL-453 Thesis Seminar: Literature or Two additional 400 level courses .....	6
Total	33

MASTER OF EDUCATION  
IN THE TEACHING OF  
LANGUAGE ARTS

This program is designed to meet the in-service needs of elementary school teachers who desire work in the Language Arts on the Graduate Level.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements to admission to the Graduate College.

**Specific:** In undergraduate work the student must present the following: Education, 15 credits—including a course in the teaching of reading; Language Arts, 15 credits—including courses in drama, English, linguistics, literature, speech or writing.

Requirements for the Degree

Program requirements include 36 credits in course work: 21 in Language Arts and 15 in Education. A photostatic copy of a currently valid Standard State or Chicago teaching certificate is to be filed with the application for admission to the program. Two research papers must be submitted. These papers will be initiated in the Language Arts courses and must be filed with the program advisor before the final oral examination. The final examination will consist of a general oral examination related to the student's course program. This examination will usually be scheduled early in the term following completion of all course requirements.

LANGUAGE ARTS (15 semester credit hours)

Required Courses:	Credits
ENGL-432 The Literary Experience in the Elementary School .....	3
LING-419 Fundamentals of Modern Linguistics .....	3
LING-302 Linguistics for Language Teachers .....	3
READ-401 Developmental Reading Theory .....	3
READ-402 Specialized Problems in Reading Instruction. ....	3

LANGUAGE ARTS (6 semester credit hours)

Elective Courses:	Credits
SPCH-COMM-315 Group Leadership .....	3
SPCH-ED-390 Speech Improvement in the Classroom ..	3
SPCH-PERF-393 Creative Dramatics .....	3
SPCH-COMM-404 Communication Theory .....	3
SPCH-COMM-418 Seminar—Research Problems in Group Communication .....	3
SPCH-COMM-428 Seminar—Research Problems in the Psychology of Communication .....	3
SPCH-PERF-458 Seminar—Research Problems in Interpretive Arts .....	3
SPCH-ED-490 Specialized Problems in Speaking and Listening .....	3

EDUCATION (9 semester credit hours)

Required Courses:	Credits
ELED-414 Principles of Curriculum Development .....	3
SCED-421 Research in the Classroom Teaching of Language Arts .....	3
INMD-402 Television and Related Instructional Media .....	3

EDUCATION (6 semester credit hours)

Elective Courses:	Credits
EDFN-411 Comparative Education .....	3
EDFN-412 Selected Concepts in the Philosophy of Education .....	3
EDFN-413 Teacher Interpersonal and Intergroup Relations .....	3
ELED-418 Classroom Problems in the Teaching-Learning Process. ....	3
COUN-421 Evaluation Techniques for Teachers and Counselors .....	3
INMD-333 Library Materials for Language and Creative Arts .....	3
INMD-401 The Theory of Programmed Instruction .....	3

MASTER OF ARTS IN  
GUIDANCE AND  
COUNSELING

Program Objectives

The primary objective of the program is to prepare specialists in guidance and counseling. There are three sequences: Sequence I: Elementary School Level, Sequence II: Secondary School Level, and Sequence III: Vocational Counseling.

The elementary and secondary level sequences are designed to meet the needs of school personnel in elementary and secondary education. The school counselor is viewed primarily as an educator and only those with teaching certificates are admitted. Persons successfully completing the elementary or secondary sequence for the Master of Arts in Guidance and Counseling, who possess a State of Illinois teaching certificate, are eligible by institutional approval (UNI) for the School Service Personnel—Guidance certificate.

The vocational counseling sequence is designed to prepare specialists who wish to function as counselors in agencies or

post-high school educational settings. The completion of this sequence does not qualify an individual for certification as an elementary or secondary school counselor.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Full admission to study for a graduate degree in the Department of Counselor Education is based upon an analysis of the academic and personal potential of the individual. Conditional admission is not granted in this program.

SEQUENCE I: ELEMENTARY SCHOOL LEVEL  
SEQUENCE II: SECONDARY SCHOOL LEVEL

1. Applicants must hold an updated standard state or current permanent Chicago teaching certificate.

Chicago certificates dating back beyond three years must be accompanied by a letter signed by the principal of the school in which the applicant is employed. Said letter must state that the applicant is **assigned** and is teaching on a permanent certificate.

2. Applicants must have completed one year of satisfactory teaching experience as an assigned teacher after receipt of the standard State or permanent Chicago teaching certificate. The teaching must have been at the appropriate certificate level (elementary or secondary).

3. Applicants for the elementary sequence must have satisfactorily completed one course in Educational Psychology and one course in Reading Methods or equivalent.

4. Applicants for the secondary sequence must have satisfactorily completed one course in General or Introductory Psychology and one course in Educational Psychology or equivalent.

5. At the time of application three letters of recommendation are required from administrators who have jurisdiction over the applicant. Letters should be mailed directly from the referent to the Chairperson of the Department of Counselor Education.

SEQUENCE III: VOCATIONAL COUNSELING

1. Applicants must have one year of appropriate full time work experience.

2. Applicants must have satisfactorily completed six semester hours in Psychology appropriate to the vocational objective.

3. At the time of application three letters of recommendation are required, one from a current or past employer, completed by the immediate supervisor, and two character references. Letters should be mailed directly from the referent to the Chairperson of the Department of Counselor Education.

Requirements for the Degree

1. Satisfactory completion of 36 credits, 27 required credits and nine credits to be selected in consultation with a faculty advisor.

2. Satisfactory completion of a comprehensive examination.

3. **SPECIAL NOTE:** The nature of the counseling relationship is such that certain characteristics must exist in an individual doing counseling. **The possession of high or excellent scholastic ability does not insure that the needed characteristics are present.** Therefore, it must be understood and accepted by the student entering the program that at **any time** in the program an evaluation as to fitness **for counseling** may be made by the staff.

4. A research paper is required. The paper will be accomplished through the research seminar.

5. Six credits are granted for the practicum courses. See advisor or department chairperson regarding specific requirements for this experience.

Required courses for all sequences (21 semester credit hours)

	Credits
PSYC-311 Psychology of Personality .....	3
COUN-313 Principles and Techniques of Guidance .....	3
COUN-421 Evaluation Techniques for Teachers and Counselors .....	3
COUN-461 Research Seminar in Guidance and Counseling .....	3
COUN-462 Practicum I: Guidance and Counseling .....	3
COUN-463 Practicum II: Guidance and Counseling .....	3
COUN-464 Frameworks for Counseling and Personnel Work .....	3

Required Courses (6 semester credit hours)

SEQUENCE I: ELEMENTARY SCHOOL LEVEL	Credits
SPED-304 Psychology of Exceptional Children .....	3
COUN-456 Community Resources and the Schools .....	3

SEQUENCE II: SECONDARY SCHOOL LEVEL	Credits
PSYC-329 Adolescent Psychology .....	3
COUN-457 Information and Resources for Secondary School Guidance .....	3

SEQUENCE III: VOCATIONAL COUNSELING	Credits
COUN-465 Techniques for Counseling and Personnel Work .....	3
COUN-467 Vocational Theory and Occupational Information .....	3

MASTER OF ARTS IN  
INNER CITY STUDIES

This program is designed for students who intend to work either in teaching or in other capacities in the inner city. Flexibly designed, it can provide training in depth in one or two relevant areas or give a breadth of experience, depending upon the student's educational goals. Students are usually required to complete a Master's project.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

Requirements for the Degree

Program requirements include 30 credits in course work, including an 18 credit hour core curriculum and 12 hours of electives approved by a faculty advisor.

Core Curriculum (required of all students)

	Credits
ICSE-411 Graduate Study in the Inner City .....	3
ICSE-442 Research Methods in Inner City Studies .....	3
ICSE-443 Research Writing .....	3
One of the following seminars .....	3
ICSE-421 Seminar in the Inner City Community — The Afro-American .....	3
ICSE-422 Seminar in the Inner City Community — The Southern Mountain White .....	3
ICSE-423 Seminar in the Inner City Community — The Spanish Speaking .....	3
ICSE-424 Seminar in the Inner City Community — The American Indian .....	3
ICSE-431 Seminar in Inner City School Problems .....	3
ICSE-452 Field Internship .....	3
ICSE-453 Seminar in Field Internship .....	3
Electives .....	12
Total	30

MASTER OF ARTS IN  
LINGUISTICS

This program provides four sequences to meet a variety of needs and interests in the field of linguistics.

SEQUENCE I: ENGLISH LINGUISTICS

This sequence is designed for the present or prospective high school or college English teacher who, sensitive to what may be a wide "language gap" in his education, desires to acquire a thorough groundwork in modern linguistic description of language, and of the English language in particular. This sequence is also designed for the general student of linguistics, with or



without plans to teach, who wishes to specialize in English linguistics.

SEQUENCE II: GENERAL LINGUISTICS

This sequence is designed for students who already have an undergraduate background in linguistics (a major or a minor) and who desire graduate work in the theory and methods of general linguistic research. It is a natural sequel to the department's undergraduate liberal arts major in linguistics, but can also serve students in, e.g. psychology, anthropology, foreign language, who wish to specialize in those areas of their disciplines most closely related to linguistics.

SEQUENCE III: APPLIED LINGUISTICS

This sequence provides the necessary training in theoretical and applied linguistics for the major areas of language teaching: English, language arts, and foreign language.

SEQUENCE IV: TEACHING ENGLISH AS A SECOND LANGUAGE

This sequence is designed for in-service and prospective teachers of English as a second language, including those in bilingual and bicultural programs. The sequence is set up to prepare the student to meet the standards of the "Proposed Statement of Qualifications and Guidelines for the Preparation and Certification of Teachers of English to Speakers of Other Languages in the United States," prepared by the Association of Teachers of English to Speakers of Other Languages, and "Qualifications for Teachers of English as a Second Language," in a Handbook for Teachers of English as a Second Language, prepared by the State Education Department of the University of the State of New York, Albany.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

Specific:

Sequence I: English Linguistics. A minimum of 30 credits, excluding basic courses, in English Linguistics or in English and related areas (e.g. foreign languages) with approval of the program coordinator.

Sequence II: General Linguistics. An undergraduate major in linguistics or in a related field (e.g. anthropology, foreign or classical languages, English) with a minimum of 12 credits in linguistics.

Sequence III: Applied Linguistics. An undergraduate major (30 credit hours) in English, linguistics, foreign language, classical language, or in a related field with a minimum of 30 credit hours in language or linguistics courses.

Sequence IV: Teaching English as a Second Language. (1) An undergraduate major in TESOL, linguistics, English, foreign language, speech, elementary or secondary education preferred. (2) If the prospective student is a native speaker of English, he should be able to demonstrate serious work with a foreign language by: (a) an undergraduate minor or equivalent work (18 hours) in a foreign language or (b) suitable scores on the Graduate Record Examination Achievement Tests in Spanish or French or (c) other evidence acceptable to the department, e.g. Defense Language Institute training. If the prospective student is not a native speaker of English, he should be able to demonstrate his proficiency in English by: (a) holding an undergraduate degree from a recognized institution where English is the medium of instruction or (b) suitable scores on the English Proficiency Examination of the Educational Testing Service. Should the prospective student fail to meet these special requirements, he may be admitted conditionally with suitable remedial work to be made up in consultation with the Graduate Advisor.

Requirements for the Degree

1. Satisfactory completion of 33 credits selected as shown below. At least six of the credits must be seminar-level courses in the Department of Linguistics.

2. Satisfactory completion of a written comprehensive examination, prepared and evaluated by the Department of Linguistics.

3. For Sequences I, II and III, completion of a major paper demonstrating originality and competence in linguistics research acceptable to an examination committee, or, upon invitation by the department, an acceptable thesis.

For sequence IV, an acceptable research paper will be written for the required LING-484 Seminar in English as a Second Language. Another paper will normally be written for the second seminar-level course chosen as an elective. The department may invite the student to write a thesis.

4. For Sequences I and II, reading proficiency in one foreign language, as tested by the Department of Linguistics.

SEQUENCE I: ENGLISH LINGUISTICS

Required Courses (24 semester credit hours)	Credits
LING-419 Fundamentals of Modern Linguistics	3
LING-411 Transformational Analysis	3
LING-415 Phonetics and Phonology	3
LING-471 Semantic Theory	3
One course in historical and comparative linguistics	3
One course in applied linguistics	3
Two courses in linguistics and related fields	6
(See graduate advisor for specific course offerings in these areas.)	

Electives (9 semester credit hours)

These may be selected from 400-level courses in the department, or, with the approval of the graduate advisor, from relevant graduate courses in related disciplines in which the student has a good academic background.

Master's Thesis:

Students who accepted a departmental invitation to write a Master's thesis will take LING-470 Thesis Seminar: Linguistics (6 credits) in lieu of six credits of electives.

SEQUENCE II: GENERAL LINGUISTICS

Required Courses (21 semester credit hours)	Credits
LING-411 Transformational Analysis	3
LING-415 Phonetics and Phonology	3
LING-471 Semantic Theory	3
Two courses in historical and comparative linguistics	6
Two courses in linguistics and related fields	6
(See graduate advisor for specific course offerings in these areas.)	

Electives (12 semester credit hours)

These may be selected from 400-level courses in the department, or, with the approval of the graduate advisor, from relevant graduate courses in related disciplines in which the student has a good academic background. LING-419 Fundamentals of Modern Linguistics will not normally apply as an elective.

Master's Thesis:

Students who accept a departmental invitation to write a Master's thesis will take LING-470 Thesis Seminar: Linguistics (6 credits) in lieu of six credits of electives.

SEQUENCE III: APPLIED LINGUISTICS

Required Courses (12 semester credit hours)	Credits
LING-411 Transformational Analysis	3
LING-415 Phonetics and Phonology	3
LING-419 Fundamentals of Modern Linguistics	3
LING-471 Semantic Theory	3

LING-419 should be taken in the first trimester; it is a prerequisite to LING-415, LING-411, and most of the other graduate courses in linguistics. Students with a strong background in linguistics will be advised to take a more advanced course in lieu of LING-419.

Electives (21 semester credit hours)

Students will select, with the advice and consent of the graduate advisor, seven 400-level courses (21 credits) in such areas as applied linguistics, linguistics and related fields, general linguistics, or historical linguistics. Graduate courses in related disciplines in which the student has a good academic background, selected in advance with approval of graduate advisor, may be substituted for 6 of the 21 credits of electives.

Master's Thesis:

Students who accept a departmental invitation to write a Master's thesis will take LING-470 Thesis Seminar: Linguistics (6 credits) in lieu of six credits of electives.

SEQUENCE IV: TEACHING ENGLISH AS A SECOND LANGUAGE

Required Courses (18 semester credit hours)

	Credits
LING-419 Fundamentals of Modern Linguistics	3
LING-415 Phonetics and Phonology	3
LING-481 Principles of Teaching English as a Second Language	3
LING-483 Structure of Modern English	3
LING-484 Seminar in English as a Second Language	3

Electives (15 semester credit hours)

The specific choice of electives must be approved by the graduate advisor, who will consider the individual student's background and needs in the light of the actual course offerings of the department and other divisions of the university.

Linguistics: At least nine credits in 400-level courses in linguistics, including three credits in a seminar.

Other:

The student is encouraged to take electives (up to six credits) outside the department to enhance his knowledge of the native language, culture, or society or his students, or to provide the necessary background for gaining such knowledge, or to improve his skill as a teacher. Such courses may be found in a wide variety of academic departments and interdisciplinary areas: foreign language, sociology, anthropology, psychology, elementary and secondary education, inner city studies, and reading.

Master's Thesis:

Students who accept a departmental invitation to write a Master's thesis will take LING-470 Thesis Seminar: Linguistics (6 credits), normally in lieu of LING-484 Seminar in English as a Second Language (3 credits) and three credits of electives.

MASTER OF SCIENCE IN MATHEMATICS

The Master of Science Program in Mathematics is designed primarily for part-time students with a broad range of backgrounds and goals. It is designed to provide the maximum of flexibility while at the same time providing the student with a sound background in the basic tools required for his specific career orientation.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Normally, a major undergraduate sequence in Mathematics is required, including the completion of at least seven courses beyond Integral Calculus. If circumstances warrant, a student may be admitted to the program even though he has not fulfilled these requirements. Under such circumstances, he may be required to take additional course work in order to remove existing deficiencies.

Requirements for the Degree

The program consists of ten courses (30 credit hours), of which four are required. This allows a student to choose his electives in a manner which will be directly applicable to his goals. Among the orientations which a student might choose are: secondary and junior college teaching, applications of mathematics to business, industry, or the sciences, and mathematical statistics. The specific program of applicable electives must be worked out between the student and the graduate advisor. In some circumstances, course work in cognate areas may be applied. In others, it may be appropriate for the student to substitute some independent work or a thesis for part of his course work. A comprehensive final examination, which may take the form of a final paper and its defense, is required.

Required Courses (12 semester credit hours)

	Credits
MATH-415 Functions of a Complex Variable	3

	Credits
MATH-416 Functions of a Real Variable	3
MATH-436 Modern Algebra	3
MATH-461 Topology	3

MASTER OF ARTS IN MATHEMATICS

SEQUENCE I: FOR ELEMENTARY SCHOOL TEACHERS

This program is intended for teachers at the elementary school level who have had a limited amount of training in mathematics and who wish to upgrade their capabilities in mathematics, so as to improve their teaching of the subject.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Possession of a Chicago or Illinois State Teacher's Certificate; no more than 15 credits in college mathematics.

Requirements for the Degree

This sequence requires 30 credits, including 15 credits of required courses and 15 credits of electives. With the advice and consent of the program advisor, the student may select up to six credits in Education 400-level courses as part of the 15 elective credits. A final comprehensive examination is required of each student on the material covered in the courses completed.

Required Courses (15 semester credit hours)

	Credits
MATH-356 Modern Mathematics for the Middle Grades	3
MATH-403 Modern Geometry for the Elementary School Teacher	3
MATH-427 Elementary Probability and Statistics for Teachers	3
MATH-435 Mathematical Structure	3
ELED-403 Problems in Elementary Mathematics Instruction	3

Electives (15 semester credit hours)

MATH-352 Mathematical Functions	3
MATH-353 Recent Trends in Mathematics	3
MATH-401 Number Theory for the Elementary School Teacher	3
MATH-402 Modern Algebra for the Elementary School Teacher	3
MATH-410 Modern Analysis for the Elementary School Teacher	3
MATH-413 Mathematics Applied to the Physical and Behavioral Sciences	3
MATH-420 Transformation Geometry	3
SCED-423 Research in the Classroom Teaching of Mathematics	3
INSC-305 Computer Logic and Circuitry	3

SEQUENCE II: FOR JUNIOR HIGH SCHOOL TEACHERS

This program is intended primarily for teachers at the junior high school level who are familiar with mathematics at least through calculus and who wish to broaden their knowledge of mathematics so as to become better teachers of the subject.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Possession of a Chicago or Illinois State Teacher's Certificate; at least 18 credits of college Mathematics, including a Calculus sequence, but no more than 12 credits beyond the Calculus sequence.

Requirements for the Degree

This sequence requires 30 credits, including nine credits of required courses and 21 credits of electives. With the advice and consent of the program advisor, the student may select up to nine credits in Education 400-level courses as part of the 21 elective credits. A final comprehensive examination is required of each student on the material covered in the courses completed.



Required Courses (9 semester credit hours)		Credits
MATH-305	Probability Theory and Applications I	3
MATH-325	Foundations of Analysis I	3
MATH-420	Transformation Geometry	3

Electives (21 semester credit hours)		Credits
MATH-306	Operations Research	3
MATH-321	History of Mathematics	3
MATH-322	Number Theory	3
MATH-327	Vector Analysis	3
MATH-328	Complex Variables	3
MATH-331	Foundations of Algebra I	3
MATH-334	Mathematical Statistics I	3
MATH-337	Theory of Equations	3
MATH-404	Plane Topology	3
MATH-405	Introduction to Philosophy of Mathematics	3
MATH-406	Elements of Applied Mathematics	3
MATH-436	Modern Algebra	3

MASTER OF SCIENCE IN  
BIOLOGY

This program is designed to service both teachers and others who intend to work in various capacities for which advanced biological training is necessary. The program stresses balance in each of the major areas of biology, rather than intensive specialization in a narrowly limited area. Because of this balance, a sound basis is also provided for further graduate study. Laboratory work and introduction to research methodology are integral to the program.

Two options are available within the program. One is recommended particularly for elementary and secondary level teachers who desire a more flexible approach to graduate training in biology. This flexibility is provided in two ways. A wider base in prerequisites for this option permits individuals of varying backgrounds to qualify for admission. In addition, some graduate credits may be earned, at the student's discretion, in areas of the sciences other than biology.

The second option is recommended for individuals who desire a more intensive biologically oriented program. This includes teachers of biology as well as those working in applied fields of biology. This option requires more specific prerequisites, for admission, and also requires that all of the graduate credits be earned in biology. In other respects, the two options are identical.

In order that the Biology Department may provide adequate counseling, applicants are advised to have taken the Graduate Record Examination prior to application for admission to the program. All students, however, must have taken the Graduate Record Examination before the end of the third trimester following initial registration for courses in the program.

OPTION I

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** 1. Admission to the program requires 15 credits of applicable undergraduate biology (those that satisfy areas of requirements as specified below). 2. A minimum of 18-20 credits, including at least eight credits in chemistry, with laboratory and four credits in physics with laboratory. The balance of the credits may be presented in any combination of chemistry, physics, earth science, and mathematics.

Requirements for the Degree

Course requirements include 24 credits of graduate biology at the 300 or 400 level, and a total of at least 39 hours of combined graduate and upper undergraduate level biology credit, including a minimum of three hours at advanced undergraduate or graduate level in each of the areas specified below. A minimum of nine hours of graduate biology credit at the 400 level is required, not including the five hours for experimental thesis credit. Of the nine hours, there must be at least one hour and no more than three hours of non-research biology seminar credit. Six graduate credits may be taken at the discretion of the student in biology or in other science areas such as chemistry, physics, earth science, and mathematics.

Each program is to be organized systematically under the guidance of the graduate advisor. Individual research is required, either a library thesis—on a topic selected in consultation with the advisor—or, by departmental invitation, an experimental thesis. The former is without credit; the latter carries five hours of credit for BIOL-499 Seminars in Research. At the time of acceptance to candidacy the decision is made as to whether or not the student is to be invited to do an experimental thesis. A final written comprehensive examination is required for all students in the major areas of biology and in the supporting prerequisite areas. In addition, an oral thesis defense is required for all students regardless of whether the thesis be a library or a research thesis.

Biology Area Requirements:

- I. Animal Morphology and/or Taxonomy
- II. Plant Morphology and/or Taxonomy
- III. Genetics
- IV. Evolution
- V. Molecular Biology
- VI. Animal Physiology
- VII. Plant Physiology
- VIII. Ecology

Summary of Required Credit Hours

Graduate Biology (minimum, including at least nine hours at the 400 level, excluding thesis research credit, and of those nine hours there must be no fewer than one hour and no more than three hours of non-research seminar credit) 24-30

Graduate Science (including credit in either biology or other sciences such as chemistry, physics, earth science, and mathematics) 6-0

Applicable Undergraduate Biology (including those that satisfy biology area requirements) 15

Total Credits (including all graduate and applicable undergraduate biology) 45

Correlative Undergraduate Prerequisite Hours 18-20

OPTION II

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** 1. Admission to the program requires 15 credits of applicable undergraduate biology (those that satisfy areas of requirements as specified below). 2. A minimum of 12 credits in chemistry with laboratory, including at least one course in organic chemistry; a minimum of eight credits in physics with laboratory; a minimum of six credits in mathematics.

Requirements for the Degree

Course requirements include 30 hours of graduate biology credit at the 300 or 400 level, and a total of at least 45 hours of combined graduate and upper undergraduate level biology credit, including a minimum of three hours at advanced undergraduate or graduate level in each of the areas specified below. A minimum of nine hours of graduate biology credit at the 400 level is required, not including the five hours for experimental thesis credit. Of the nine hours, there must be at least one hour and no more than three hours of non-research biology seminar credit.

Each program is to be organized systematically under the guidance of the graduate advisor. Individual research is required, either a library thesis—on a topic selected in consultation with the advisor—or, by departmental invitation, an experimental thesis. The former is without credit; the latter carries five hours of credit for BIOL-499 Seminars in Research. At the time of acceptance to candidacy the decision is made as to whether or not the student is to be invited to do an experimental thesis. A final written comprehensive examination is required for all students in the major areas of biology and in the supporting areas of chemistry, physics, and mathematics. In addition, an oral thesis defense is required for all students regardless of whether the thesis be a library or a research thesis.

Biology Area Requirements:

- I. Animal Morphology and/or Taxonomy
- II. Plant Morphology and/or Taxonomy
- III. Genetics

- IV. Evolution
- V. Molecular Biology
- VI. Animal Physiology
- VII. Plant Physiology
- VIII. Ecology

Summary of Required Credit Hours

Graduate Biology (minimum, including at least nine hours at the 400 level, excluding thesis research credit, and of those nine hours there must be no fewer than one hour and no more than three hours of non-research seminar credit) 30

Applicable Undergraduate Biology (including those that satisfy biology area requirements) 15

Total Credits (including graduate and applicable undergraduate biology) 45

Correlative Undergraduate Prerequisite Hours 26

MASTER OF SCIENCE IN  
CHEMISTRY

This program is designed to provide graduate education in chemistry for the prospective secondary school or junior college teacher, and the student wishing to use knowledge of chemistry in industry or business. Opportunities for coursework in the major areas of chemistry are available, as is the opportunity for supervised research.

Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Admission to the Program requires the following undergraduate credit: (a) two semesters (normally eight credits) of laboratory physics, (b) two semesters (normally eight credits) of calculus, (c) 26 semester hours of undergraduate chemistry, including two semesters of organic chemistry, one semester of physical chemistry, and one semester of analytical chemistry.

Requirements for the Degree

1. Course Work: (30 semester credit hours)

- (a) The following basic courses must be taken as part of the program if they have not been previously taken as part of an undergraduate program: CHEM-316 and CHEM-319 or CHEM-324 or CHEM-346 (4).
- (b) Twelve credits in 400-level courses in chemistry or related fields are required, exclusive of research. At least six of the 12 credits must be in chemistry.

- (c) A maximum of 12 credits may be taken in research, including the thesis. The thesis carries six credits through CHEM-409.

- (d) Courses in physics, mathematics, and other related fields may be applied to the requirements for the degree with the approval of the department, to a maximum of nine credits.

- (e) Nine to ten credits must be taken so that a minimum of one course in each of the following groups is completed:

Organic	Inorganic	Physical
CHEM-332	CHEM-402	CHEM-404
CHEM-347	CHEM-406	CHEM-405
CHEM-348	CHEM-410	CHEM-407
CHEM-401		
CHEM-403		

A qualifying examination must be taken and passed to exempt a student from fulfilling the requirement in any particular group.

2. Thesis

A thesis may be written upon departmental invitation. The Thesis Seminar: Chemistry (CHEM-409) carries six credits applicable to program requirements. To be accepted for

thesis a student must: complete at least 12 but no more than 18 credits of course work that would apply toward the M.S. program, with a 4.25 or better grade point average; fulfill the minimum requirements for admission and those stated in 1(a); be acceptable to a thesis advisor; and have been accepted for candidacy.

No more than three credits of Independent Study in Chemistry, CHEM-408, may be taken before: being accepted for thesis (at which time three more credits may be taken); or completing a total of 24 credits which apply to the M.S. program (at which time three more credits may be taken).

3. Examination:

A final comprehensive examination is required for students not writing a thesis.

Chemistry (21-30 semester credit hours)

CHEM-305	Independent Study in Chemistry	3
CHEM-306	Selected Topics in Chemistry (with consent of department)	3
CHEM-307	Introduction to Instrumentation	3
CHEM-318	Industrial Chemistry	3
CHEM-319	Instrumental Analysis: Spectroscopy	3
CHEM-321	Experimental Inorganic Chemistry	3
CHEM-324	Instrumental Analysis: Quantitative Methods	3
CHEM-326	Chemical Literature	2
CHEM-328	History of Chemistry	3
CHEM-332	Identification of Organic Compounds	4
CHEM-346	Radiochemistry	4
CHEM-347	Advanced Organic Chemistry: Polyfunctional Compounds	3
CHEM-348	Advanced Organic Chemistry: Bioorganic Compounds	3
CHEM-401	Carbohydrates	3
CHEM-402	Organometallic Chemistry	3
CHEM-403	Physical Methods in Organic Chemistry	3
CHEM-404	Chemical Thermodynamics	3
CHEM-405	The Chemical Bond	3
CHEM-406	Coordination Chemistry	3
CHEM-407	Symmetry in Chemistry	3
CHEM-408	Independent Study in Chemistry	3
CHEM-409	Thesis Seminar: Chemistry	6
CHEM-410	Physical Inorganic Chemistry	3

Related Fields (0-9 semester credit hours)

MATH-301	Ordinary Differential Equations I	3
ESCI-341	Fortran and Numerical Analysis for Scientists	3
PHYS-311	Mechanics I	3
PHYS-321	Electricity and Magnetism I	3
PHYS-324	Quantum Mechanics I	3
PHYS-336	Modern Physics	3
PHYS-393	Electronics	3
SCED-SCI-424	Research in Classroom Teaching of Science	3

MASTER OF SCIENCE IN  
EARTH SCIENCE

The Master's program in Earth Science is aimed toward people in the teaching profession, as well as those pursuing careers in earth science. An objective of the program is to develop an expertise in students, for careers in energy and mineral industries, and environmental and other agencies engaged in meeting the resources and environmental needs of society. As part of the program, the students are encouraged to participate in basic research in those branches of earth science corresponding to faculty expertise.

In addition, certain flexibilities exist for making this program more relevant to the needs of secondary and elementary teachers.

Each program is to be organized systematically under the guidance of the faculty advisor who shall consult with the departmental Graduate Advisory Committee. Individual research is required, either a library thesis (on a topic selected in consultation with the advisor) or, by departmental invitation, an experimental thesis. The former is without credit; the latter carries



six hours of credit for ESCI-414 Thesis Seminar: Earth Science. At the time of acceptance to candidacy the decision is made as to whether or not a student is to be invited to do an experimental thesis. The student will have the option to take either a final written or oral comprehensive examination in the earth sciences if he fulfills the research requirement by submitting a library thesis. Oral defense of the thesis is required for those who submit an experimental thesis.

#### Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Full admission to the program requires: 15 undergraduate semester credit hours in earth science; a minimum eight credits in chemistry, with a laboratory; and eight credits in physics, with a laboratory. An applicant deficient in no more than six semester credit hours of the above requirements may be admitted conditionally, but must remove the deficiency as soon as possible. Up to nine suitable graduate credits taken by an unclassified student may be credited toward degree requirements following admission as a degree candidate.

#### Requirements for the Degree

Satisfactory completion of a total of 45 semester credit hours of combined undergraduate and graduate earth science courses that include 30 semester credit hours at the 300 or 400 level. A minimum of nine credits in graduate earth science courses at the 400 level is required, not including the six credits for the experimental thesis. Of these nine credits, there must be no fewer than one credit and no more than three credits in non-research earth science seminar courses.

## MASTER OF SCIENCE IN PHYSICS

This program provides a sound basis in each of the major areas of physics, while retaining sufficient flexibility to provide the student an opportunity for greater concentration in a particular area through course work or research.

#### Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** A bachelor's degree in science, mathematics or engineering, including calculus through partial derivatives and multiple integrals and adequate preparation in physics.

#### Requirements for the Degree

##### 1. Course Work: (30 credits total)

- 24-30 credits are required in physics, of which 12 are in required courses and 12-18 are elective.
- Up to six credits of research may be applied toward the total required for the degree. A thesis may be written upon invitation by the department. The thesis carries six credits for research through PHYS-409.
- Up to six credits may be taken from areas outside of physics, subject to approval of the department.
- At least half of the course work must be at the 400-level.

##### 2. Thesis:

A thesis may be written upon invitation by the department. The Thesis Seminar: Physics (PHYS-409) carries six credits applicable to the program requirements.

##### 3. Examination:

A final comprehensive examination is required for students who do not write a thesis.

#### Required Courses (12 semester credit hours)

A student who presents evidence of credit in a course equivalent to any of the courses below may substitute three credits of electives, subject to departmental approval.

PHYS-312	Mechanics II	3
PHYS-323	Electricity and Magnetism II	3

PHYS-324	Quantum Mechanics I	3
PHYS-336	Modern Physics	3

#### Physics Electives (12-18 semester credit hours)

Physics courses of 300 and 400 level are possible electives. The department recommends:

PHYS-341	Fortran and Numerical Analysis for Scientists	3
PHYS-326	X-ray Theory and Technique	3
PHYS-331	Optics	3
PHYS-333	Vibration and Sound	3
PHYS-335	Thermodynamics and Kinetic Theory	3
PHYS-337	Modern Physics Lab	1
PHYS-338	Introductory Mathematical Physics	3
PHYS-339	Intermediate Physics Laboratory	2
PHYS-344	Introduction to Solid State Physics	3
PHYS-393	Electronics	3
PHYS-401	Advanced Experimental Physics	3
PHYS-402	Atomic Physics	3
PHYS-403	Solid State Physics	3
PHYS-404	Advanced Electronics for Scientists	3
PHYS-405	Elementary Particles	3
PHYS-406	Statistical Mechanics	3
PHYS-407	Relativity and Gravitation	3
PHYS-408	Independent Study in Physics	3
PHYS-409	Thesis Seminar: Physics	6
PHYS-410	Electrodynamics	3
PHYS-411	Classical Dynamics	3
PHYS-412	Nuclear Physics	3
PHYS-TECH-361	Materials I: Structural, Mechanical and Thermal Properties	3
PHYS-TECH-362	Materials II: Electronic and Optical Properties	3
PHYS-TECH-369	Instrumentation Electronics	3

## MASTER OF ARTS IN EDUCATION: READING

The Master's program in Reading is designed to meet the urgent need for informed and trained specialists at both the elementary and secondary school levels. The specific objectives of the program are: to enhance the student's knowledge of the nature and scope of the reading process; to advance their professional training in the teaching of reading; to provide them with special training in diagnosis and remediation of reading difficulties; and to prepare them for leadership in planning, administering, and supervising both developmental and remedial reading programs.

#### Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Admission to the program requires a course in Psychology or Tests and Measurements, and one of the following courses, or its equivalent:

ECED-306	Teaching Reading in the Primary Grades	3
ELED-306	Methods of Teaching Reading—Elementary School	3
READ-301	Teaching Reading in Junior and Senior High School	3
READ-311	Fundamentals of Reading Instruction	3

#### Requirements for the Degree

##### 1. Course Work (36 credits total)

- Twenty-four credits of eight required courses in reading.
- Twelve credits of four elective courses (to be selected with approval of program advisor) from at least two of the following areas: English, speech, linguistics, psychology, test and measurements, education, special education, and library science.

##### 2. Thesis Option

Upon invitation by the program advisor at the time of acceptance to degree candidacy, a student has the option of writing a Master's thesis for three hours of credit. The course, READ-406 Thesis Seminar: Reading, would take the place of one elective.

### 3. Research Papers

Students not writing a thesis will be required to prepare two comprehensive papers to be initiated in the required reading courses.

### 4. Final Examination

Upon completion of all other work in the program, each student must pass a comprehensive examination.

#### Required Courses (24 semester credit hours)

		Credits
READ-401	Developmental Reading Theory	3
READ-402	Specialized Problems in Reading Instruction	3
READ-412	Measurement and Evaluation of Reading	3
READ-313	Materials for Reading	3
READ-407	Case Studies in Diagnosis and Remediation of Reading Disabilities	3
READ-403	Curriculum and Supervision in Reading	3
READ-404	Clinical Practicum in Reading	3
READ-405	Research Seminar in Reading	3

#### Electives (12 semester credit hours)

Four of the following courses may be taken to satisfy the elective requirements for the program, Master of Arts in Education: Reading.

##### English

ENGL-391	Children's Literature	3
ENGL-449	Studies in American Literature: Varies	3

##### Speech

SPCH-ED-390	Speech Improvement in the Classroom	3
SPCH-ED-490	Specialized Problems in Speaking and Listening	3

##### Linguistics

LING-306	Linguistics and Reading	3
LING-429	Psycholinguistics	3
LING-419	Fundamentals of Modern Linguistics	3

##### Psychology

PSYC-317	Introduction to Statistical Methods in Psychology	3
EDFN-401	Learning Theories and Educational Practice	3
PSYC-328	Psychology of Mental Health	3
PSYC-412	Advanced Child Psychology	3
PSYC-414	Advanced Adolescent Psychology	3

##### Tests and Measurement

SPED-303	Measurement and Evaluation	3
SPED-412	Principles of Diagnostic Testing	3

##### Education

READ-314	Teaching Reading to the Educable Mentally Handicapped Child	3
ELED-419	Problems in Elementary Language Arts Instruction	3
SCED-421	Research in Classroom Teaching of Language Arts	3

##### Special Education

SPED-302	Psychology of Language and Cognitive Development	3
SPED-304	Psychology of Exceptional Children	3
SPED-310	Psychopathology of the Brain-Injured Child	3
SPED-410	Identification and Diagnosis of Learning Disabilities	3
SPED-411	Remediation and Planning for Children with Learning Disabilities	3

##### Library Science

INMD-333	Library Materials for Language and Creative Arts	3
INMD-335	Reading Guidance in the Elementary School	3

## MASTER OF ARTS IN AMERICAN STUDIES

The Master's program in American Studies provides an opportunity for students interested in interdisciplinary work in American civilization, most particularly, academic studies in American history and American literature. The majority of

courses available for this program are in these two disciplines; although course work in other areas of the social sciences and humanities is also available.

#### Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Admission to the program requires undergraduate credit as follows:

- At least nine credits in history, including six in American history;
- At least six credits from the fields of sociology, political science, and economics; and
- At least nine credits from American literature, American art, and American music.

#### Requirements for the Degree

	Credits	
SSCI-424	Introduction to American Studies . . . . . 3	
ENGL-431	Bibliography and Methods of Literary Study, or	
HIST-451	Historiography and Historical Method . . . . . 3	
	<b>American Literature</b>	
	(300 or 400-level courses with at least one 400-level seminar) . . . . . 9-15	
	<b>American History</b>	
	(300 or 400-level courses with at least one 400-level seminar) . . . . . 9-15	
	<b>Cognate courses</b> . . . . . 0-6	
	<b>Total</b> 36	

#### Thesis Option

Upon invitation by the Program Coordinator at the time of degree candidacy, a student has the option of writing a Master's thesis, six hours of credit are granted for this thesis through the course, SSCI-433 Thesis Seminar: American Studies. This course takes the place of three credits each in American history and American literature.

#### Research Papers

Students not writing a thesis will be required to prepare two comprehensive papers in connection with their work in the two required seminars.

#### Final Examination

Upon completion of all other work in the program, each student must pass a comprehensive oral examination.

## MASTER OF ARTS IN SOCIAL SCIENCE

The program is designed so that the student's graduate work will focus on an interdisciplinary area of interest within the social sciences.

#### Requirements for Admission to the Program

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Admission to the program requires 30 undergraduate credits in social science.

#### Requirements for the Degree

Course requirements include 36 credits as specified below. Each program is to be organized systematically with the guidance of the faculty advisor and is to focus on an interdisciplinary interest, such as, but not limited to, Urban Studies, Latin American Studies, Women's Studies, or Asian Studies. This organization will be formalized in a contract of study endorsed by the student's advisor and the Graduate Coordinator for the program.

#### Required Courses:

	Credits
CI-414 Scope and Methods of the Social Sciences (to be taken at the beginning of the program) .....	3
<b>and either</b>	
CI-427 Research Seminar in General Social Science (to be taken at the end of the program).....	3
<b>or</b>	



SSCI-431	Thesis Seminar-General Social Science (with faculty approval)	6
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**Electives:**

Courses in one of the social science departments.	15-21
Courses in at least one additional social science department	6-12

**Cognate Courses:**

Courses, outside of social science departments, which are integral to the student's program of study	0-6
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A final oral comprehensive examination is required.

MASTER OF ARTS IN

**GEOGRAPHY AND ENVIRONMENTAL STUDIES**

The program is designed to provide advanced analysis of spatial and environmental systems expressed as patterns and processes. Included in the sequences are ecological studies of human-environmental interrelations, studies of rapidly changing landscapes emphasizing the synthesis of diverse but interrelated phenomena, locational studies concerning the geometrics of movement, size, shape, and distance, and studies of environmental resources in terms of their interpretation, development, and use.

**Requirements for Admission to the Program**

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Admission to the program requires an undergraduate major or minor in Geography and Environmental Studies. Non-majors will be required, at the discretion of the department, to remedy any deficiencies noted in the student's background. The Graduate Record Examination and the Achievement Test in Geography may be required.

**SEQUENCE I: GEOGRAPHY AND ENVIRONMENTAL STUDIES**

This sequence is designed to provide advanced study in geography and/or environmental studies for the training of personnel for positions in education, industry, government, environmental planning and management, environmental interpretation, and other areas where geographers and environmentalists are needed.

**Requirements for the Degree**

Course requirements include a total of 33 credits in geography and/or environmental studies. Specific course requirements are established separately for each student, and require a chosen area of concentration in one of five fields—Cultural Geography, Urban Geography, Physical Geography, Economic Geography, Environmental Studies—and demonstrated competence in two of these fields as established through satisfactory completion of courses. At least 18 credits must be 400-level courses. A student may submit a thesis on a topic chosen in advance through consultation with and written under the supervision of the Program Advisor. Six credits are granted for a thesis through the course G&ES-431 Thesis Seminar: Geography. Students electing not to complete a thesis instead complete two 400-level courses in lieu of the thesis seminar and submit a research paper on a topic chosen in advance through consultation with and written under the supervision of the Program Advisor. A final written and/or oral examination, covering the chosen area of concentration and general geographic and/or environmental knowledge, is required. An oral defense of the thesis is also required.

**Courses (27 semester credit hours)**

G&ES-376	Cartography I or	3
G&ES-377	Cartography II	3
G&ES-351	Statistics for Geographers and Earth Scientists or	3
G&ES-442	Geographic Problems in Quantitative Measurements	3

G&ES-411	Scope and Philosophy of Geography and Environmental Studies	3
	Applicable Geography and/or Environmental Studies	18

**Thesis (6 semester credit hours)**

G&ES-431	Thesis Seminar: Geography	6
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**SEQUENCE II: URBAN LAND USE PLANNING**

This sequence is designed to train city planners specializing in land use.

**Requirements for the Degree**

Course requirements include a total of 33 credits of which at least 18 credits must be 400-level courses. Field experience is required. After the student completes all course requirements, he is sent to a municipal planning agency in the Chicago area for a minimum period of two months. During the field experience the student is required to work eight hours a day and five days per week under the supervision of a local city official designated as off-campus advisor. The student will be paid by the city involved. Two research papers dealing with urban land use planning are required: one developed during the field experience and the other developed from another course. A final oral or written examination covering the field of urban land use planning is required.

**Courses (33 semester credit hours)**

G&ES-320	Geography of Urban Land Use	3
PSCI-URB-318	Urban Government Administration or	3
PSCI-PA-332	Introduction to Public Administration or	3
PSCI-URB-334	Urban Politics or	3
PSCI-AMER-353	Practical Politics	3
G&ES-421	Seminar in Climatological Problems or	4
G&ES-442	Geographic Problems in Quantitative Measurements or	3
G&ES-445	Seminar in Resource Management and Decision Making	3
G&ES-443	Seminar in Urban Land Use Planning	3
G&ES-451	Seminar in Recreation Geography	3
G&ES-461	Independent Study in Geography (for Field Experience)	3
G&ES-471	Seminar in Urban Geography	3
	Applicable electives	12

MASTER OF ARTS IN

**HISTORY**

This program is designed for students who desire a more sophisticated understanding of the subject of history and to service teachers.

**Requirements for Admission to the Program**

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Applicants must present 24 credits in history, or the equivalent.

**SEQUENCE I (with thesis)**

**Requirements for the Degree**

Thirty credits are required, including 18 in history, six for thesis and six in related fields (or additional history courses). The Master's thesis is required, and there is a final comprehensive examination covering course work and thesis.

**History (18 semester credit hours)**

HIST-451	Historiography and Historical Method (or alternative 400-level history course selected with consent of advisor)	3
	Two Graduate Research Seminars	6
	Five 300 or 400-level history electives (to be chosen with guidance of advisor). Half the courses must be 400-level	9-15

**Thesis (6 semester credit hours)**

HIST-431	Thesis Seminar: History	6
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**SEQUENCE II (without thesis)**

**Requirements for the Degree**

Thirty-six credits are required including 30 in history and six in related fields (or additional history courses). There is a final comprehensive examination covering course work.

**History (30 semester credit hours)**

HIST-451	Historiography and Historical Method (or alternative 400-level History course selected with consent of advisor)	3
	Two Graduate Research Seminars in History	6
	Nine 300 or 400-level history electives (to be chosen with guidance of advisor). Half the courses must be 400-level	27

MASTER OF ARTS IN

**POLITICAL SCIENCE**

The purpose of this program is to enlarge the student's knowledge of political phenomena, to introduce him to relatively advanced concepts of political analysis, and to provide a grounding in research methods.

**Requirements for Admission to the Program**

**Prenote:** The following paragraphs state the minimum requirements for the Master of Arts program in Political Science. More detailed information about the requirements and about other aspects of this program is contained in a circular available on request from the Department of Political Science.

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Admission to the program requires 24 hours of undergraduate credit in the social sciences, with at least 12 hours of this work in political science. A grade average of at least B should have been maintained in this work. A student whose background does not meet these norms may be required to remove the deficiencies by taking additional course work, as the Graduate Program Coordinator of the Department shall determine. Such additional course work will not be credited towards the 30-36 credit hours required for the M.A.

**Requirements for the Degree**

- 30-36 credit hours are required for the degree. The following options are available:
- 30 credit hours, including 24 credit hours of course work, a six credit thesis seminar (may only be done upon invitation of the department), and an oral exam.
  - 30 credit hours of course work, a departmental paper, and an oral exam.
  - 36 credit hours of course work, written comprehensive exam, and an oral exam.

**Required Courses:**

PSCI-421	Research Methods in Political Science. (Must be taken at the student's earliest opportunity, usually offered in the fall)	3
	Two 400 level graduate seminars (must have seminar in title)	6
	Two other courses at the 400 level	6

Courses are available in the following areas: American politics and government, urban politics, Asian studies, comparative politics, political theory, and international relations. Six credit hours may be taken in fields related to political science with prior approval of the graduate coordinator. Grades obtained in these courses taken outside the department as approved cognate courses may not be used to remove the deficiency incurred in courses taken within the department.

MASTER OF ARTS IN

**SPECIAL EDUCATION**

This program provides students with advanced study designed to develop their knowledge and skills relating to the field of

special education in general, as well as to one of the following areas of concentrations: learning disabilities, behavior disorders, social maladjustment, mental retardation (educable), and mental retardation (trainable).

**Requirements for Admission to the Program**

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** As of January 1, 1975, all applicants for admission to the program are required to have **two letters of recommendation** submitted in support of their applications. These letters should be addressed directly to the Dean of the Graduate College by the persons writing them. The recommendations should be made by persons having (or having had) a supervisory relationship with the applicant in a teaching situation. For applicants with little or no prior teaching experience, letters will be accepted from student teaching supervisors or from professors of education in a position to have observed the applicant's potentialities as a teacher in the area of Special Education.

Students admitted to the program in special education prior to the implementation of this requirement are still required to effect the submission of such letters of recommendation in support of their applications for degree candidacy.

In requesting letters of recommendation, applicants should mention that confidentiality of the letters will be maintained in accordance with the Family Educational Rights and Privacy Act of 1974.

Students electing this program must also have the following courses or their equivalent: Educational Psychology or Psychology of Learning; Teaching of Reading or Language Arts; Child or Adolescent Psychology.

**Requirements for the Degree**

A minimum of 36 credit hours, including a Master's degree project and six hours of practicum involving relevant supervised experience with children is required of candidates. In addition, each student must possess an elementary or high school teaching certificate at the time of degree candidacy. Acceptance for degree candidacy is also contingent upon satisfactory performance on the Miller Analogies Test. Applicants for degree candidacy may also be required to attend an interview.

**Advisement**

All students will be assigned an adviser. It is expected that students will plan their programs in consultation with their assigned advisers. Prerequisite and required courses may be waived in areas in which competence can be demonstrated.

**Courses Required for All Program Students**

SPED-303	Measurement and Evaluation	3
SPED-304	Psychology of Exceptional Children	3
SPED-410	Identification and Diagnosis of Learning Disabilities	3
SPED-411	Remediation and Planning for Children with Learning Disabilities	3

The Master's degree project may be completed through one of the following courses with the approval of the major adviser.

SPED-394	Research Seminar in Exceptionality	3
SPED-433	Seminar in Curriculum Development for Mentally Handicapped Children	3
SPED-454	Research Seminar for the Gifted	3
SPED-490	Research Seminar in Special Education	3

**Courses Required in Areas of Concentration**

**SEQUENCE I: TEACHING THE EDUCABLE MENTALLY HANDICAPPED CHILD**

SPED-330	Psychology of the Mentally Handicapped	3
SPED-431	Teaching the Educable Mentally Handicapped Child	3
SPED-438	Practicum I: Teaching the Educable Mentally Handicapped Child	3
SPED-439	Practicum II: Teaching the Educable Mentally Handicapped Child	3



**SEQUENCE II: TEACHING THE TRAINABLE MENTALLY HANDICAPPED CHILD**

	Credits
SPED-305 Principles of Speech Pathology for the Classroom Teacher	3
SPCH-ED-390 Speech Improvement in the Classroom <b>or</b>	3
SPCH-ED-490 Specialized Problems in Speaking and Listening	3
SPED-401 Biomedical Aspects of Developmental Disabilities <b>or</b>	3
SPED-310 Psychopathology of the Brain-Injured Child	3
SPED-402 Counseling the Handicapped	3
SPED-441 Teaching the Trainable Mentally Handicapped Child	3
SPED-448 Practicum I: Teaching the Trainable Mentally Handicapped Child	3
SPED-449 Practicum II: Teaching the Trainable Mentally Handicapped Child	3

**SEQUENCE III: EDUCATING CHILDREN WITH BEHAVIOR DISORDERS**

SPED-421 Behavior Modification	3
SPED-420 Advanced Seminar on Characteristics of Children with Behavior Disorders	3
SPED-428 Practicum I: Educating Children with Behavior Disorders	3
SPED-429 Practicum II: Educating Children with Behavior Disorders	3

**SEQUENCE IV: TEACHING THE SOCIALLY MALADJUSTED CHILD**

SPED-320 Mental Health and Behavior Deviations	3
SPED-412 Seminar I: Psychopathology of Emotionally Disturbed Children <b>or</b>	3
SPED-420 Advanced Seminar of Characteristics of Children with Behavior Disorders	3
SPED-480 Cultures of the Disadvantaged	3
SPED-421 Behavior Modification	3
SPED-428 Practicum I: Educating Children with Behavior Disorders	3
SPED-429 Practicum II: Educating Children with Behavior Disorders	3

**SEQUENCE V: TEACHING CHILDREN WITH LEARNING DISABILITIES**

SPED-412 Principles of Diagnostic Testing	3
SPED-413 Seminar in Learning Disabilities	3
SPED-418 Practicum I: Teaching Children with Learning Disabilities (Clinical)	3
SPED-419 Practicum II: Teaching Children with Learning Disabilities (School)	3

**Elective Patterns**

The following is a list of possible elective courses. It is not exhaustive. Students should carefully study advisement bulletins relating to their sequence and confer with their original advisor before selecting electives.

PSYC-312 Abnormal Psychology	3
PSYC-317 Introduction to Statistical Methods in Psychology	3
PSYC-318 Introduction to Experimental Psychology	3
PSYC-327 Psychology of Learning	3
SPED-453 Seminar in Curriculum and Materials for the Gifted	3
PSYC-412 Advanced Child Psychology	3
PSYC-414 Advanced Adolescent Psychology	3
PSYC-442 Individual Ability Assessment	3
SPED-330 Psychology of the Mentally Handicapped Child	3
SPED-310 Psychopathology of the Brain-Injured Child	3
SPED-305 Principles of Speech Pathology for the Classroom Teacher	3
SPED-320 Mental Health and Behavior Deviations	3
SPED-450 Psychology of the Gifted Child	3
SPED-412 Principles of Diagnostic Testing	3
SPED-421 Behavior Modification	3
SPED-402 Counseling the Handicapped	3
SPED-480 Cultures of the Disadvantaged	3
SPED-452 Education of the Gifted Child	3

	Credits
SPED-431 Teaching the Educable Mentally Handicapped Child	3
SPED-441 Teaching the Trainable Mentally Handicapped Child	3
ECED-313 Language Development and Educational Implications	3
COUN-321 Diagnosis and Treatment of Reading Difficulties	3
COUN-313 Principles and Techniques of Guidance	3
READ-401 Developmental Reading Theory	3
READ-402 Specialized Problems in Reading Instruction	3
SPED-451 Creativity	3
READ-407 Case Studies in Diagnosis and Remediation of Reading Disabilities	3
ECED-403 Early Childhood Assessment	3
ECED-404 Organizing and Directing of Early Childhood Centers	3
ECED-405 Perspectives in Early Childhood Education	3

**MASTER OF ARTS IN****SPEECH**

An in-depth study of the principles and practice of speech and the performing arts, this program is designed for teachers of speech at the secondary level, elementary school teachers, for candidates for teaching positions in higher education, and for students interested in positions other than teaching or as a preparation for further graduate study.

**Requirements for Admission to the Program**

**General:** Students must fulfill the requirements for admission to the Graduate College.

**Specific:** Students must present 15 credits in Speech and the Performing Arts which may serve as prerequisites for advanced courses.

**Requirements for the Degree**

An organized program of course work totaling 30 credits will be selected in consultation with a faculty advisor. The program should include a minimum of fifteen credits in the broad area of speech-communication or the area of performing arts. Course groupings of a minimum of nine credits may be selected as specialties in theatre, drama, oral interpretation, rhetoric and public address, mass media, communicative disorders, or speech education. Course work in cognate areas supplementary to research in the Speech and Performing Arts may be accepted in the plan of work up to a limit of six credit hours.

All students must enroll in SPCH-COMM-401 Introduction to Graduate Study in Speech, as early as possible, and must complete a minimum of six courses at the 400 level, including SPCH-COMM-401.

Students may follow either a thesis or a non-thesis program. Non-thesis students must place in the departmental library three finished term papers researched in 400 level courses as evidence of scholarly writing ability.

Each thesis student will submit a thesis which meets with the approval of a graduate committee of three persons who have been approved by the department graduate committee. Course SPCH-499 Thesis Seminar in Speech should be taken by thesis students and serves as two of the required five 400 level courses. No more than six credits of the required total of 30 credits may be received for work on the thesis.

All candidates must pass a comprehensive written examination on their course work—and at the discretion of the graduate committee in speech—an oral examination covering the areas of specialization. Thesis students must also pass an oral examination on the thesis which will be conducted by the thesis committee.

Applicants should direct their questions to the Director of Graduate Study in Speech.

**GRADUATE COLLEGE DEADLINES**

For further information apply to the Graduate College Office

**OCTOBER 8, 1976, FRIDAY**

Final day for filing preliminary application for Spring conferral of degrees.

Prerequisite: Degree candidacy.

Final day for filing final application\* for Winter conferral of degrees. (Applications accepted from September 2). Prerequisite: approval of the preliminary application for graduation.

**NOVEMBER 12, 1976, FRIDAY**

Final day for completion of all requirements for Winter conferral of degrees: courses, special papers, oral/written examinations, acceptance of thesis at Graduate Office, and payment of fees.

**FEBRUARY 11, 1977, FRIDAY**

Final day for filing preliminary application for Summer conferral of degrees.

Prerequisite: Degree candidacy.

Final day for filing final application\* for Spring conferral of degrees. (Applications accepted from January 4). Prerequisite: approval of preliminary application for graduation.

**MARCH 11, 1977, FRIDAY**

Final day for completion of all requirements for Spring conferral of degrees: courses, special papers, oral/written examinations, acceptance of thesis at Graduate Office, and payment of fees.

**JUNE 10, 1977, FRIDAY**

Final day for filing preliminary application for Winter conferral of degrees.

Prerequisite: Degree candidacy.

Final day for filing final application\* for Summer conferral of degrees. (Applications accepted from May 2). Prerequisite: approval of preliminary application for graduation.

**JULY 8, 1977, FRIDAY**

Final day for completion of all requirements for Summer conferral of degrees: courses, special papers, oral/written examinations, acceptance of thesis at Graduate Office, and payment of fees.

\*The \$15.50 non-refundable, non-transferrable graduation fee must be submitted with the final application. Applications submitted before the acceptance date and/or those not accompanied by the fee will be returned.







**NORTHEASTERN ILLINOIS UNIVERSITY**  
Bryn Mawr at St. Louis-Chicago

**EDUCATIONAL EXPERIMENTATION & INNOVATION**

- URBAN EDUCATION CENTERS
- COMMUNITY FIELD CENTERS
- PROJECT SUCCESS
- PROYECTO PA' LANTE
- KASKASKIA PLAN
- CENTER FOR PROGRAM DEVELOPMENT
- BOG DEGREE
- UNIVERSITY WITHOUT WALLS
- UPTOWN PEOPLES UNIVERSITY CENTER
- CENTER FOR INNER CITY STUDIES

## CENTER FOR PROGRAM DEVELOPMENT

The Center for Program Development (CPD) has emerged among the most successful of the university's various mechanisms for creating innovative and experimenting programs. It was approved in 1970 by the Board of Governors of State Colleges and Universities and the Illinois Board of Higher Education. The Center for Program Development fosters, plans, and coordinates innovative and experimental programs at Northeastern Illinois University. CPD-sponsored programs, which are university-wide, permit creativity in nontraditional academic techniques and procedures before they are formally established as university programs. A faculty advisory committee determines policy and assures objectivity in approving and appraising all new CPD programs, which the Office of Academic Affairs must also endorse. CPD is not limited to new programs but also establishes, coordinates, and evaluates continuing ones and encourages the development of innovative approaches elsewhere in the university.

A \$98,000 W.K. Kellogg Foundation grant will help the university to reorient senior faculty members to non-traditional programming to better meet the needs of new student clienteles.

Finally, a monthly newsletter, **The Innovator**, carries scholarly articles on trends, issues, and innovations in higher education.

Ongoing CPD programs, each with its own coordinator and student-faculty advisory board, include the Board of Governors Bachelor of Arts Degree Program, University Without Walls, the English Language Program, Kaskaskia Plan Bachelor of Arts Degree, Program for Interdisciplinary Education, Women's Studies Program, El Centro, and Extensions and Continuing Education.

## BOARD OF GOVERNORS DEGREE

The Board of Governors Bachelors of Arts Degree Program (BOG/BA) enables mature adults to complete a major program or concentration and graduation requirements in a nontraditional, alternative, and self-paced approach to higher education. It attracts working adults, adults preparing to return to work, and persons seeking a degree for personal and not job-related reasons. Northeastern Illinois University began offering this pro-

gram in 1973. The degree of Bachelor of Arts is granted by the Board of Governors and not the university the student has attended.

BOG/BA admission and graduation requirements are flexible and individual.

**Admission requirements.** The program admits qualified applicants to the program on a competitive basis for the limited spaces available.

The student in the BOG/BA degree program may fulfill degree requirements through a mixture of college-level credit earned by previously completed formal and informal education, experiential learning, proficiency examinations, and courses completed satisfactorily at Northeastern Illinois or any combination of the Board of Governors universities (Chicago State, Eastern Illinois, Governors State, Northeastern Illinois, and Western Illinois).

**Graduation requirements.** The only strict graduation requirements are satisfactory completion of 12 semester credit hours in each of the areas of learning—the humanities, social sciences, and natural sciences or mathematics—a requirement waived for community college graduates; and completing 40 of the 120 semester credit hours required for graduation at the upper-division level. A major program is permitted but not required.

The BOG/BA student completes graduation requirements through previously completed college-level studies; college-equivalent knowledge and skills and life work experiences in upper-division courses, credited in proportion to demonstrated competencies; credit granted through GED, United States Armed Forces Institute (USAFI), College Level Examination Program (CLEP), TV courses, and standardized tests; as well as satisfactorily completing 15 semester credit hours of courses at any of the five BOG universities selected according to the student's needs, career goals, and personal timetable. Credit is awarded on the basis of evaluation and recommendation by the teaching faculty or other experts in a particular field of knowledge.

More specific information is available in the BOG/BA Program Office. Persons interested in applying for this degree program should make an appointment to discuss application procedures, eligibility for admission, and other details.

## UNIVERSITY WITHOUT WALLS (UWW)

The University Without Walls Program at Northeastern is a self-paced, nontraditional, interdisciplinary baccalaureate degree program that offers a wide variety of learning approaches



to motivated and mature students in order to achieve their educational goals. The university accepted its first UWW students in 1971, and the program continues to attract students whose ages, backgrounds, interests, and educational needs vary widely.

The UWW student designs his/her academic program in close collaboration with academic and community advisors in the student's area of interest. The plan incorporates on-campus and off-campus learning experiences and may include work-related activities and past learning, both formal and informal.

The UWW Advisory Committee (composed of faculty, students and UWW staff) select students for admission. The UWW administrative staff approves proposed programs, advises students, and provides other kinds of support that will assist the student in successfully completing the program. A baccalaureate degree is awarded on the basis of a graduation Review Board's evaluation of a student's competence in the areas of depth, breadth, and ability to communicate.

## EXTENSIONS AND CONTINUING EDUCATION

**Extensions and Continuing Education** serve nearly 1,000 students at off-campus centers in the university community. This program relates closely with both the College of Arts and Sciences and College of Education, assuring coordination with on-campus teaching programs and research. Many course offerings also supplement already established graduate programs.

The university develops special programs, new locations, and additional extension courses according to needs expressed by its communities, administrators, teachers, and students, as well as other interested persons. The extension and continuing education program offers most courses evenings for the benefit of the student unable to complete a full-time on-campus program leading to a degree. The office has also begun to coordinate the university's many non-credit activities.

Extension centers, current offerings, and other more detailed information is available in the Office of Extension and Continuing Education, located on campus.

## ENGLISH LANGUAGE PROGRAM

The **English Language Program** is designed to give students an opportunity to acquire university-level English language skills. To accomplish this goal, the program has established four courses\* for students whose first language is not English and an English Language Lab, which gives all students an opportunity to improve their skill in using the English language.

- English Language Workshop I is intended for students who are beginning to function in the English language.
- English Language Workshop II helps students at an intermediate level with various forms of English.
- English Language Workshop III is designed to help students who have achieved some degree of competence in English language skills. It is hoped that at the end of this course students will be ready for regular ENGL-101 courses in the English Department.
- Academic Skills is a comprehensive programmed approach to the learning of academic skills necessary for success in the university. Through a process of analytic questioning, the student is taught to improve his skills in reading, listening, and note-taking, preparation for examinations, composition, and self-management.

To assist students in determining which courses will be most appropriate for them; the program administers English proficiency tests. Students who are interested in the courses should contact the coordinator of the program at least a week before they are scheduled to register so that the test can be taken and appropriate counseling can be given before the student registers.

### English Language Lab

Any student in the university who wants individual help improving English language skills may use the services provided by the English Language Lab in Room 2-046A of the Classroom Building. Exercises on written English skills and tutoring on spoken English skills are available.

Students seeking more information about the English Language Program should contact the coordinator of the English Language Program on ext. 8130.

\*Please check trimester course schedule for current course numbers.

## THE KASKASKIA PLAN

The **Kaskaskia Plan** is a nontraditional bachelor's program designed for students preparing for a specialization that requires a multidisciplinary approach to learning to meet specific needs. A Kaskaskia Plan student draws upon the many resources available in the total university community in designing his/her program. An individual program created by student and advisor, it may include courses in departments or programs, PIE projects, independent study, internships, and field experiences.

The Kaskaskia Plan admits applicants on a continuing basis, with students normally applying during the first term after being admitted to the university. An applicant is eligible for the Kaskaskia Plan with fewer than 75 semester credit hours completed but must have at least 30 semester credit hours yet to be completed for graduation. Please contact the Kaskaskia Coordinator at ext. 537 for further information.

## PROGRAM FOR INTERDISCIPLINARY EDUCATION

The **Program for Interdisciplinary Education (PIE)** was established to encourage innovation and curriculum change in an interdisciplinary perspective. Its present structure developed in part out of such experimental university programs as Program O, Mini-College, and Experimental College. Since September 1972, PIE has initiated faculty-student seminars as well as student- and faculty-designed projects, in which small groups consider contemporary topics from the perspectives of several disciplines. The format, left up to the faculty and students, guarantees an unusual opportunity to explore intellectual concerns and interests. Recent seminars have dealt with such diverse topics as the energy crisis, love, Africa, Watergate, and ethnic differences.

Within the PIE program, undergraduates may also start projects of their own design. Working with faculty from two or more disciplines, they develop carefully written proposals, spelling out objectives plus the kind of evaluation they wish to employ. After the PIE Advisory Committee approves a project, the student pursues an individualized interdisciplinary course of studies. In this way, undergraduates may break out of the academic routine and pursue subjects of special personal interest.

The PIE program allows students to earn from three to eighteen hours of pass credit (three hours for planning and 15 hours for implementation) over a period of one or more trimesters for each project successfully concluded. All together, students may take up to 45 semester credit hours in PIE. Examples of student-designed projects include a study of political campaigns, a search for a gold mine, a survey of sanitation plants in England and America, an analysis of child-care agencies, and an examination of advertising in Europe and America.

With the approval of the PIE Advisory Committee, faculty also may submit proposals to begin experimental interdisciplinary projects. Many of the approved projects have entailed off-campus work and study with social agencies and schools. After evaluation by the PIE Advisory Committee and approval by the appropriate university curriculum councils, many of these faculty projects may eventually become part of the standard curriculum. PIE can thus be viewed as a curriculum catalyst, helping faculty and students identify and nurture areas of common interest, as well as opening new avenues of meaningful learning.

## WOMEN'S STUDIES

The **Women's Studies Program** is an interdisciplinary program concerned with women's distinctive roles and contributions in the history and culture of the world and the special problems women confront in contemporary society. The Women's Studies Program at Northeastern Illinois University began formally in the fall of 1971, though the Department of History perhaps planted the first seeds by offering the course "Women in History" in 1968, when no women's studies courses as such were available in the United States. Students soon asked for courses in other departments, which responded, and a women's studies program soon developed. Expanding rapidly and enthusiastically, the Women's Studies Program became part of the Center for Program Development in January 1973. The program does not yet offer a major or minor, but it is possible for a student at the undergraduate level to construct a major through the Kaskaskia Plan or to arrange a concentration through the University Without Walls; the Graduate College also offers the degree of Master of Arts in the Social Sciences with a major in women's studies.

Courses offered in departments and the Program for Interdisciplinary Education are part of this interdisciplinary approach to the study of women. Women's Studies courses may vary from year to year, but current offerings are many. Information about these and developing new courses is available from the Women's Studies Program Coordinator.

### ANTHROPOLOGY

ANTH-350 Pro-Seminar in Anthropology: (Title Varies)  
Role of Women Cross-Culturally  
Witchcraft and Sorcery

### ART (WSP)

WSP-321 Images of Women in Art  
**BUSINESS AND MANAGEMENT**  
ECON-311 Consumer Economics

### ENGLISH

ENGL-112 Topics in Literature: Literature by and about Women  
ENGL-325 Readings in World Literature: Voices of Women  
ENGL-358 Readings in British Literature: Women Writers  
ENGL-444 Seminar in Romantic Literature: Jane Austen  
ENGL-448 Seminar in 19th Century American Literature: Emily Dickinson

### HISTORY

HIST-340 Problems in History: (Title Varies)  
Women in Medieval Society  
Women in Popular Culture  
HIST-345 Historical Perspectives: Women in Film, 1930-1945  
HIST-379 Contemporary Historical Problems: (Title Varies)  
Contributions of Black Women to America  
Twentieth Century Liberation Movements  
The Woman in American History  
HIST-383 Pro-Seminar in European History: The Status of Women in Medieval Europe  
HIST-390 Pro-Seminar in American History: Women in Film, From the Silents to the 70's  
HIST-422 Seminar in Afro-American History: History of the Black Woman in America  
HIST-464 Graduate Readings in 20th Century American History: The Intellectual in History  
HIST-480 Graduate Readings in History: Varies  
HIST-481 Research Seminar in History: The Woman in American History

### PHILOSOPHY

PHIL-103 Topics in Philosophy and Contemporary Issues: Philosophy of Sexuality

### P.E.

PE-MA-152 Judo and Self-Defense  
PE-MA-172 Basketball: Women's Rules  
PE-MA-292 Advanced Tumbling, Gymnastics and Trampoline (Women's Events)  
PE-MT-342 Pro-Seminar in Health, Physical Education and Recreation (Title Varies)

### P.I.E.

PIE-SEM-183 Interdisciplinary Seminar III: (Title Varies)\*  
Political, Legal, and Social Status of Women in Africa

\*Seminar titles vary but are often offered as Women's Studies courses.

Leadership and Assertiveness Training  
Self-Development Seminar for Women  
Sexism in Education  
Single Parenthood  
The Successful Woman  
Women in France and in the U.S.:  
Myths and Realities  
Women and Psychotherapy

### POLITICAL SCIENCE

PSCI-AMER-328 Seminar in Domestic Politics and Government  
PSCI-COMP-340 Pro-Seminar in Comparative Politics: (Title Varies)  
Moral, Legal, and Political Status of Women  
Moral, Legal and Political Status of Women in Africa

### PSYCHOLOGY

PSYC-212 Pro-Seminar in Human Development: (Title Varies)  
Aging Women in America  
PSYC-320 Psychosexual Development

### SOCIOLOGY

SOC-301 Socialization Processes  
SOC-306 American Women: Their Changing Image  
SOC-340 Sociology of Sexuality  
SOC-343 Marriage and the Family  
SOC-357 Pro-Seminar in Sociology: (Title Varies)  
Alternative Approaches to Women's Liberation  
Health Care  
Interpersonal Sexism in America  
Sociology of Sexuality  
Woman's Roles in Communal Societies  
Women in Socialist Societies  
Sociology of Working Women

### SOC-376

### SPEECH

SPCH-COMM-306 Studies in Speech: (Title Varies)  
Sex Differences in Non-Verbal Communication  
Interpretation of Women Poets

## CENTRO DE RECURSOS EDUCATIVOS EDUCATIONAL RESOURCE CENTER

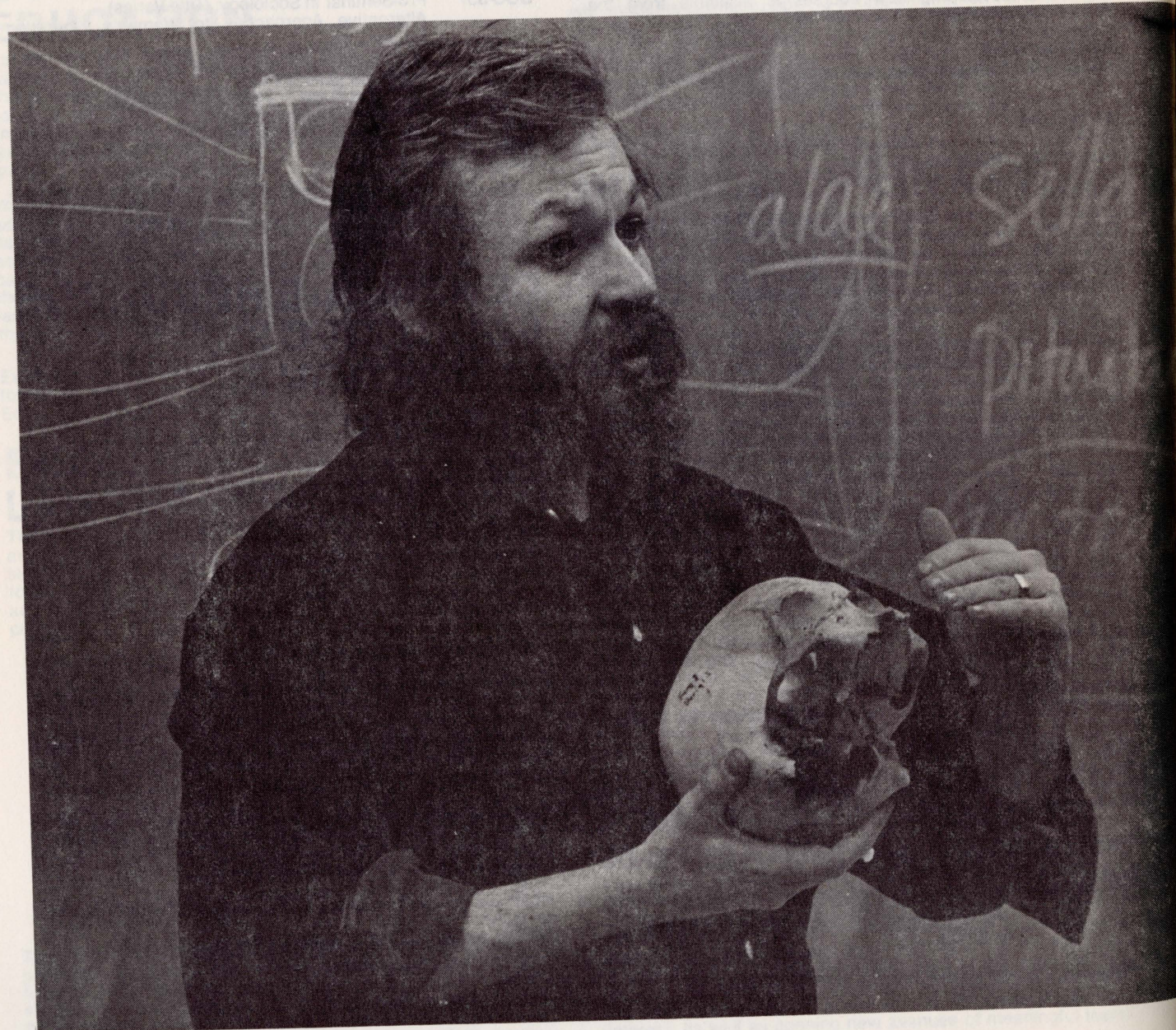
The **Centro De Recursos Educativos/Educational Resource Center** at 2434 W. North Avenue is the university's outreach into the Latino community. Commonly called El Centro, it is a field center in the northwest area of Chicago that is easily accessible to residents of Westtown, offering programs with special appeal to the Spanish-speaking community. El Centro offers credit and non-credit courses and programs designed to help orient community residents to higher education, with particular emphasis on more mature and returning students; to improve life and increase employment opportunities in Chicago; and to provide university resources to community leaders.

El Centro offers university courses through various departments in the College of Arts and Sciences and through the Center for Program Development. Some of these three-credit courses, given to date include Academic Skills, English Language Workshop II, Intermediate Spanish (for the Spanish-speaking), and Pro-Seminar in Sociology.

Other programs include a series of seminar presentations — Understanding Cultural Diversity; an American Issues Forum on Education and Human Liberation; and orientations on the Board of Governors/Bachelor of Arts Degree Program.

Additional university courses and non-credit offerings are being developed. For more information, contact El Centro Office, 2434 W. North Ave., 384-1766 or 583-4050.





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**LOPEZ, JOSE**, M.A., University of Chicago, Assistant Professor, Department of History



## FACULTY

**LUCAS, JAMES A.**, M.M., Indiana University, Assistant Professor, Department of Music

**LUTSCH, EDWARD F.**, Ph.D., Northwestern University, Professor, Department of Biology

**MACDONALD, J. FREDERICK**, Ph.D., University of California (Los Angeles), Associate Professor, Department of History

**MACDONALD, JAMES**, A.B.D., University of Toronto, Assistant Professor, Department of Anthropology

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**MALEK, VINCENT**, Ph.D., Northwestern University, Dean of the Graduate College, Professor of Music

**MANN, JOHN W.**, Ph.D., Columbia University, Professor, Department of Psychology

**MARDELL, CAROL**, Ph.D., Northwestern University, Assistant Professor, Department of Special Education

**MARTIN, CHARLIE HAROLD**, B.A., Northeastern Illinois State College, Teacher Counselor

**MARTINDALE, JAMES S.**, Ph.D., United States International University, Professor, Department of Psychology

**MARTINEZ, PEDRO**, M.A., University of Hartford, Instructor, Department of Elementary Education and Bilingual/Bicultural Studies

**MARZOTTO, MARY**, M.A., University of California (Berkeley), Assistant Professor, Department of Sociology

**MASON, DONALD F.**, Ph.D., University of Wisconsin, Professor, Department of Chemistry

**MATA, ALBERTO G., JR.**, M.A., University of Oklahoma, Assistant Professor, Department of Sociology

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**MCARDLE, EUGENE**, Ph.D., University of Illinois (Urbana), Professor, Department of Biology

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**MCCREERY, DOROTHY**, M.A., Northwestern University, Assistant Professor, Department of Counseling Services

**MCDOWELL, DUANE G.**, M.M., Northwestern University, Instructor, Department of Music

**MCFARLAND, ROBERT L.**, Ph.D., University of Chicago, Chairperson and Professor, Department of Psychology

**MCGREGOR, JAMES W.**, M.A., University of Chicago, Associate Professor, Assistant University Librarian for Technical Services

**MCGUCKIN, MARIE G.**, M.M., DePaul University, Assistant Professor, Department of Music

**MENDEL, MARSHALL W.**, B.A., University of Miami, Director of Plant, Planning and Security

**MEYER, BETTY ANN**, M.A., Northwestern University, Associate Professor, Department of Physical Education

## UNDERGRADUATE/GRADUATE CATALOG

**MEYERS, GERTRUDE S.**, M.A., University of Denver, Instructor, Department of Special Education

**MILANESI, ALBERT**, M.A., University of Chicago, Assistant Professor, Department of Foreign Languages

**MILLARD, WILLIAM**, Ph.D., University of Minnesota, Assistant Professor, Department of Geography and Environmental Studies

**MILLER, EUGENE**, M.B.A., New York University, Acting Chairperson and Associate Professor, Department of Business and Management

**MISTARAS, EVANGELINE**, M.A., University of Chicago, Assistant Professor, Assistant University Librarian for Technical Services

**MITCHELL, DENNIS**, M.F.A., Arizona State University, Assistant Professor, Department of Art

**MITTMAN, NORMAN**, M.S., Illinois Institute of Technology, Assistant Professor, Department of Mathematics

**MOCH, ERIC**, Ed.D., Loyola University (Chicago), Director, Admissions and Records, Assistant Professor of Foreign Languages

**MOORHEAD, HUGH S.**, Ph.D., University of Chicago, Professor, Department of Philosophy

**MORAITES, MARIA**, M.A., Northwestern University, Assistant Professor, Department of Learning Services

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**MORTON, JOSEPH C.**, Ph.D., University of Maryland, Professor, Department of History

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**MURATA, ALICE**, Ph.D., Northwestern University, Associate Professor, Department of Counselor Education

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**MURRAY, HOWARD L.**, M.S., Loyola University, Assistant Professor, Department of Chemistry

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**NICOSIA, DOLORES J.**, Ph.D., Northwestern University, Professor, Department of Music

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**NORDBERG, JOAN M.**, M.A., Northeastern Illinois University, Instructor, Coordinator of Student Activities

**NORTON, THOMAS**, M.S., Illinois Institute of Technology, Assistant Professor, Department of Biology

NORTHEASTERN ILLINOIS UNIVERSITY

## UNDERGRADUATE/GRADUATE CATALOG

**O'CHERONY, ROSALYN K.**, Ph.D., Northwestern University, Professor, Department of Foreign Languages

**ODDO, VINCENT**, Ph.D., Indiana University, Assistant Professor, Department of Music

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**POWERS, JOHN J.**, Ph.D., Northwestern University, Assistant Professor, Department of Speech and Performing Arts

**PRUESKE, ELEANOR**, Ph.D., University of Illinois (Urbana), Professor, Department of Physical Education

**PURI, SURRENDER**, Ph.D., Columbia University, Associate Professor, Department of Physics

**QUTUB, MUSA Y.**, Ph.D., Iowa University (Ames), Associate Professor, Department of Earth Science

**RANGEL, DIEGO**, Ph.D., Northwestern University, Coordinator, Bilingual/Bicultural Studies, Assistant Professor of Elementary Education

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NORTHEASTERN ILLINOIS UNIVERSITY

## FACULTY

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**RENAS, STANLEY**, D.B.A., Georgia State University, Professor, Department of Business and Management

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**RICHARDSON, JACK E.**, M.A., Columbia University, Assistant Professor, Department of Linguistics

**RIGDON, JOYCE R.**, M.P.A., Roosevelt University, Research Associate in Institutional Studies

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**ROBERTSON, RICHARD J.**, Ph.D., University of Chicago, Professor, Department of Psychology

**ROBINSON, EDWARD A.**, Ph.D., Northwestern University, Associate Professor, Department of Secondary Education

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**ROLLER, RUSSEL**, M.F.A., Southern Illinois University, Chairperson and Associate Professor, Department of Art

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**ZEGGER, ROBERT**, Ph.D., Columbia University, Professor, Department of History

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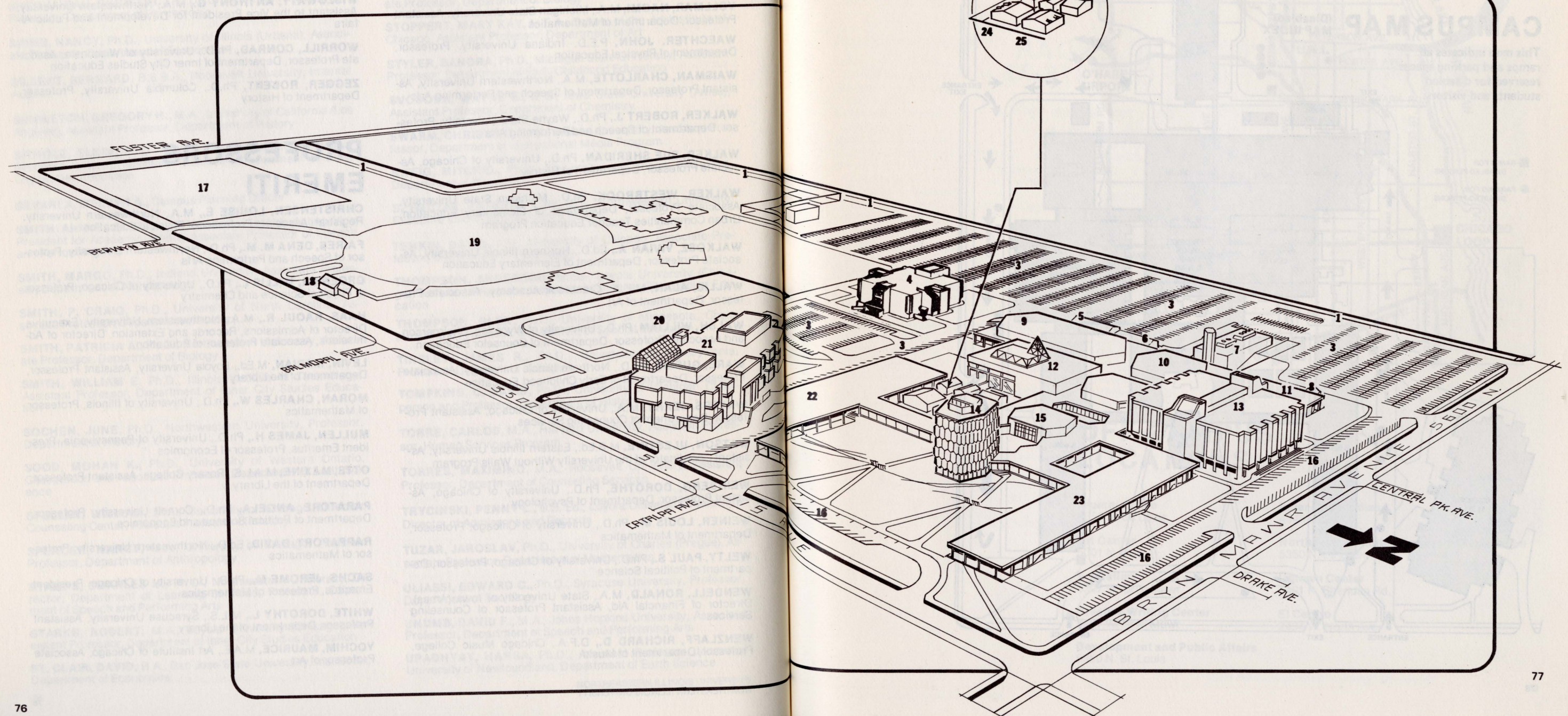
**YOCHIM, MAURICE**, M.A.E., Art Institute of Chicago, Associate Professor of Art



# CAMPUS MAP (General)

AA - Project Success (24)  
 AB - Record Office Annex (25)  
 Administration Building (Beehive) (14)  
 Auditorium (10)  
 A-Wing (23)  
 B-Wing (22)  
 Classroom Building (13)  
 Commuter Center (12)  
 Development and Public Affairs (18)  
 Faculty and Staff Parking (16)  
 General Parking (3)  
 Gymnasium (9)  
 J-Building (6)  
 Library (New) (4)

Library (Old) (15)  
 Little Theatre (11)  
 Music Building (5)  
 P-1 (27)  
 P-2 (26)  
 P-East - Day Care Center (28)  
 Power Plant (7)  
 Proposed Access Road (1)  
 Recreation Field (17)  
 Residential School (19)  
 Science Building (21)  
 Security (8)  
 Tennis Courts (2)  
 WTTW (20)





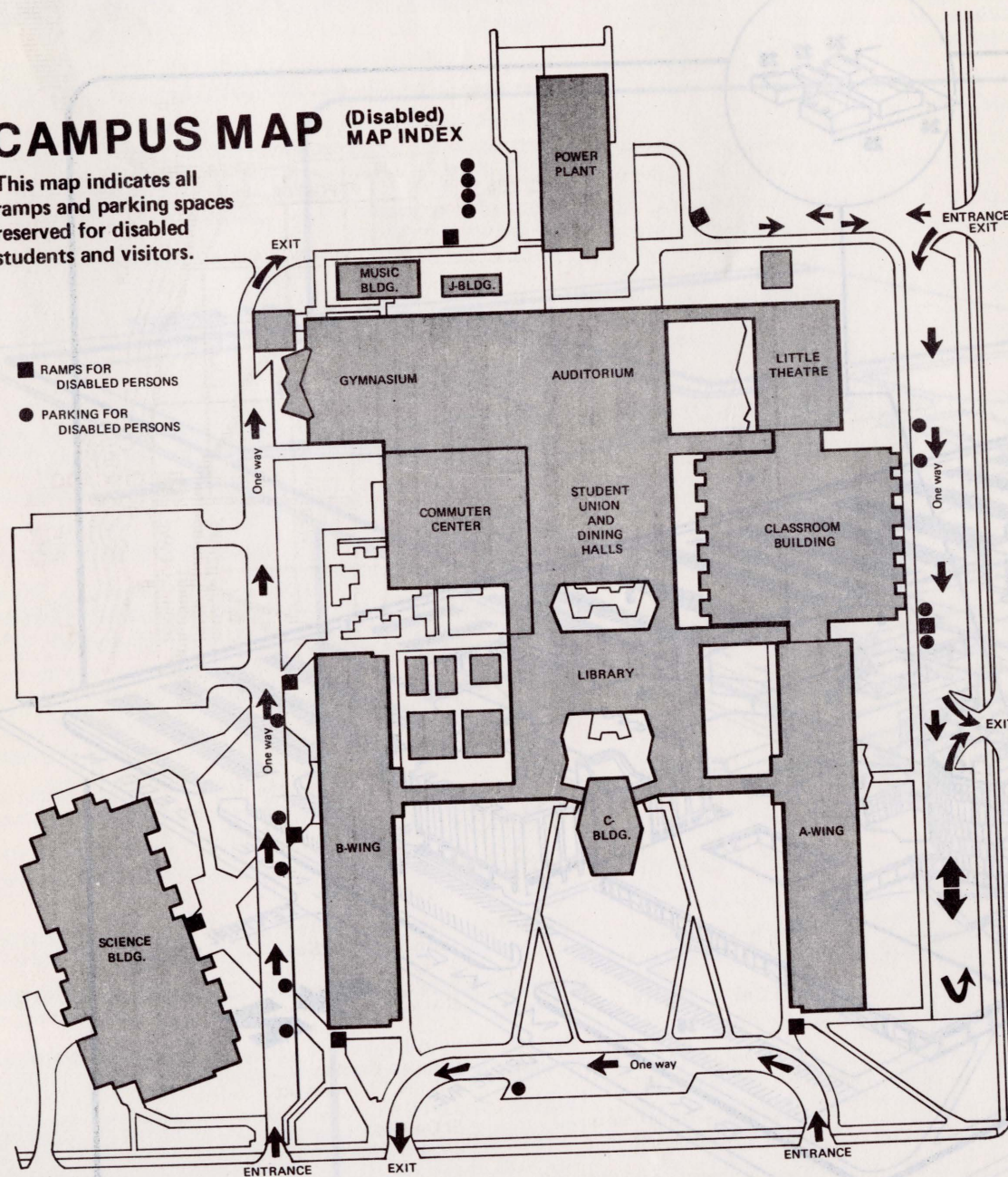
# CAMPUS MAP

AA - Project Building (20)  
 AB - Record Office Annex (20)  
 Administration Building (20)  
 Auditorium (11)  
 A-Wing (27)  
 B-Wing (22)  
 Classroom Building (12)  
 Commuter Center (12)  
 Development and Public Affairs (20)  
 Faculty and Staff Housing (10)  
 General Building (20)  
 Gymnasium (12)  
 Library (10)  
 Library (Old) (10)  
 Little Theatre (11)  
 Music Building (9)  
 Music (11)  
 Power Plant (7)  
 Recreation Field (12)  
 Recreation School (10)  
 Science Building (21)  
 Security (20)  
 Student Union (21)  
 Student Union (21)  
 Student Union (21)

## CAMPUS MAP (Disabled) MAP INDEX

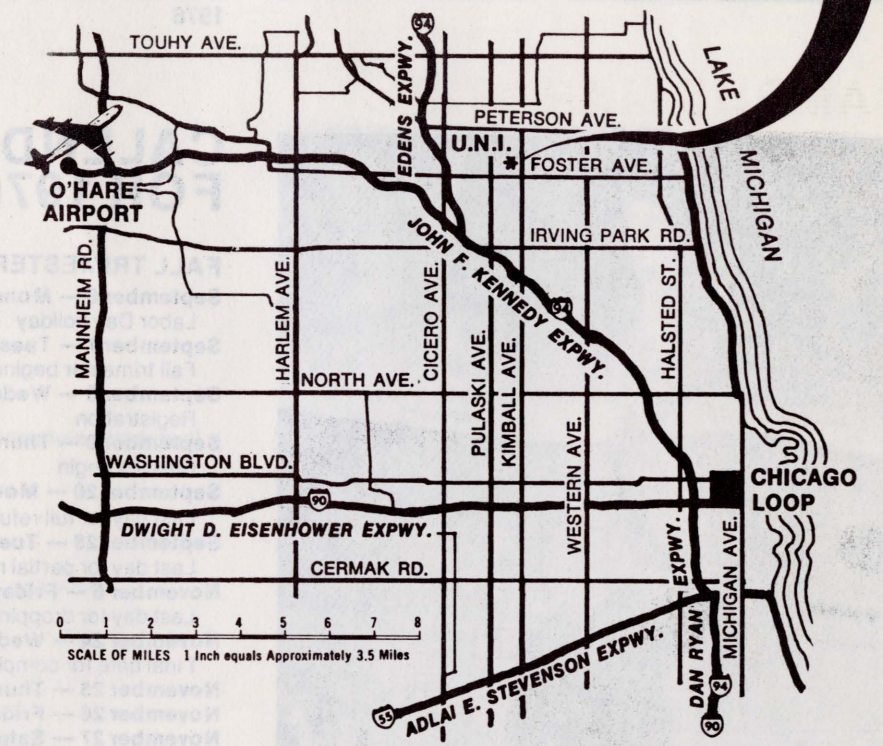
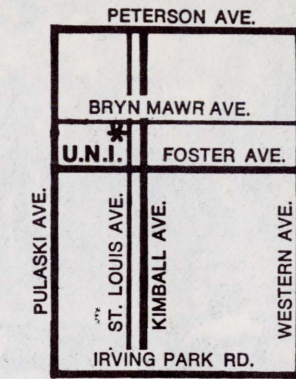
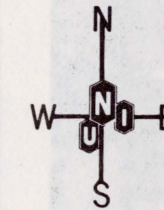
This map indicates all ramps and parking spaces reserved for disabled students and visitors.

- RAMP FOR DISABLED PERSONS
- PARKING FOR DISABLED PERSONS



## STREET GUIDE

AIRPORT, LOOP AND UNI LOCATIONS



## OFF-CAMPUS LOCATIONS

**Alumni Office**  
5350 N. St. Louis

**Art Center**  
5001 N. Troy

**Art Gallery**  
3307 W. Bryn Mawr

**Creative Writing Center**  
3307 W. Bryn Mawr

**Development and Public Affairs**  
5350 N. St. Louis

**Inner City Studies**  
4545 S. Drexel

**Northeastern Illinois University Foundation**  
5350 N. St. Louis

**Uptown Center**  
4401 N. Sheridan Rd.

**El Centro**  
2434 W. North Ave.





1976

## CALENDAR FOR 1976-77

### FALL TRIMESTER '76

- September 6 — Monday**  
Labor Day holiday
- September 7 — Tuesday**  
Fall trimester begins, Registration
- September 8 — Wednesday**  
Registration
- September 9 — Thursday**  
Classes begin
- September 20 — Monday**  
Last day for full refund of fees upon complete withdrawal
- September 28 — Tuesday**  
Last day for partial refund of fees upon complete withdrawal
- November 5 — Friday**  
Last day for dropping classes
- November 24 — Wednesday**  
Final date for complete withdrawal from university
- November 25 — Thursday**
- November 26 — Friday**
- November 27 — Saturday**  
Thanksgiving holiday
- December 15 — Wednesday**  
Last day of classes for day students
- December 16 — Thursday**
- December 17 — Friday**
- December 20 — Monday**  
Final examinations for day classes
- December 18 — Saturday**  
Last class meetings for evening and Saturday classes
- December 22 — Wednesday**  
Fall trimester ends
- December 23 through January 2**  
Christmas recess

SEPTEMBER							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
												1	2
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30			24	25	26	27	28	29	30
							31						

NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6				1	2	3	4	
7	8	9	10	11	12	13	5	6	7	8	9	10	11
14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30					26	27	28	29	30	31	

JANUARY							FEBRUARY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1				1	2	3	4
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28					
30	31												

MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28	29	30

1977

### WINTER TRIMESTER '77

- January 3 — Monday**  
Winter trimester begins, Registration
- January 4 — Tuesday**  
Registration
- January 5 — Wednesday**  
Classes begin
- January 14 — Friday**  
Martin Luther King Jr.'s Birthday
- January 17 — Monday**  
Last day for full refund of fees
- January 25 — Tuesday**  
Last day for partial refund of fees upon complete withdrawal
- February 11 — Friday**  
Lincoln's Birthday
- March 4 — Friday**  
Last day for dropping classes
- March 25 — Friday**  
Final date for complete withdrawal from university
- April 13 — Wednesday**  
Last day of classes for day students
- April 14 — Thursday**
- April 15 — Friday**
- April 18 — Monday**  
Final examinations for day students
- April 16 — Saturday**  
Last class meeting for evening and Saturday classes
- April 22 — Friday**  
Winter trimester ends
- April 23 through May 1**  
Spring recess

### SPRING-SUMMER TERMS '77

- May 2 — Monday**  
Spring term begins, Registration
- May 3 — Tuesday**  
Registration
- May 4 — Wednesday**  
Classes begin
- May 9 — Monday**  
Last day for Spring term full refund of fees
- May 13 — Friday**  
Last day for Spring term partial refund of fees
- May 30 — Monday**  
Memorial Day holiday
- June 3 — Friday**  
Last day for dropping spring classes
- June 10 — Friday**  
Last day for spring term complete withdrawal
- June 21 — Tuesday**  
Last day of classes for spring term
- June 22 — Wednesday**
- June 23 — Thursday**  
Final examinations for spring term
- June 24 — Friday**  
Spring term ends
- June 27 — Monday**  
Registration for classes in summer term
- June 28 — Tuesday**  
Classes begin
- July 4 — Monday**  
Independence Day holiday
- July 5 — Tuesday**  
Last day for summer term full refund of fees
- July 7 — Thursday**  
Last day for summer term partial refund of fees
- July 29 — Friday**  
Final date for dropping summer term classes
- August 5 — Friday**  
Last day for summer term complete withdrawal
- August 16 — Tuesday**  
Last day of classes for summer term
- August 17 — Wednesday**
- August 18 — Thursday**  
Final examinations for summer term
- August 19 — Friday**  
Summer term ends
- August 20 through September 5**  
Summer recess

NOTE: The dates are subject to change without notice.



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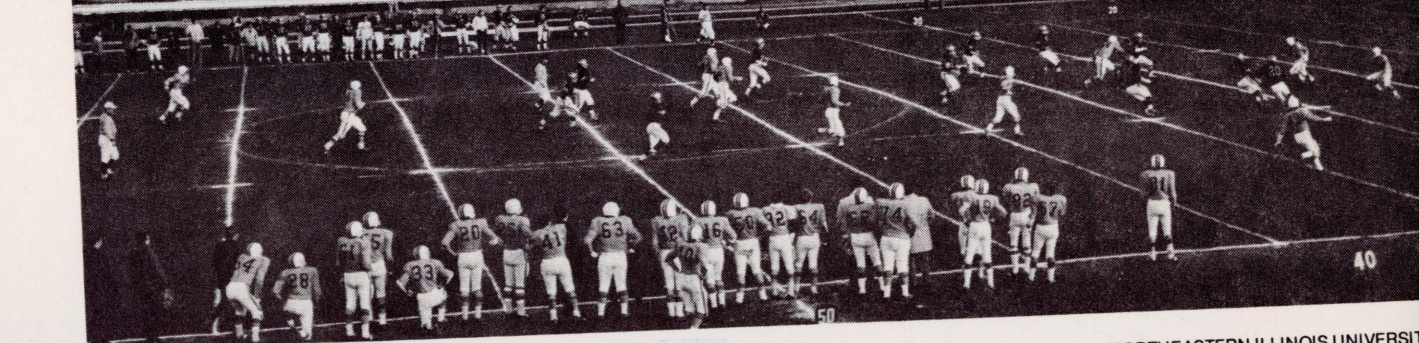
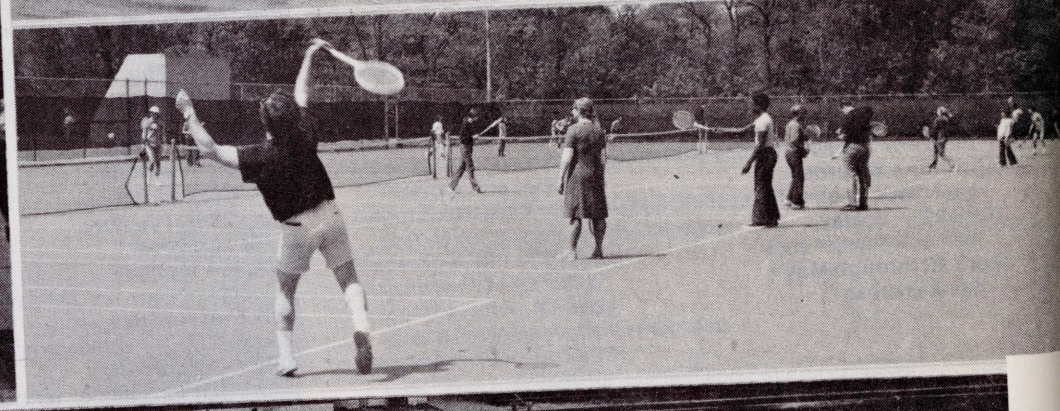
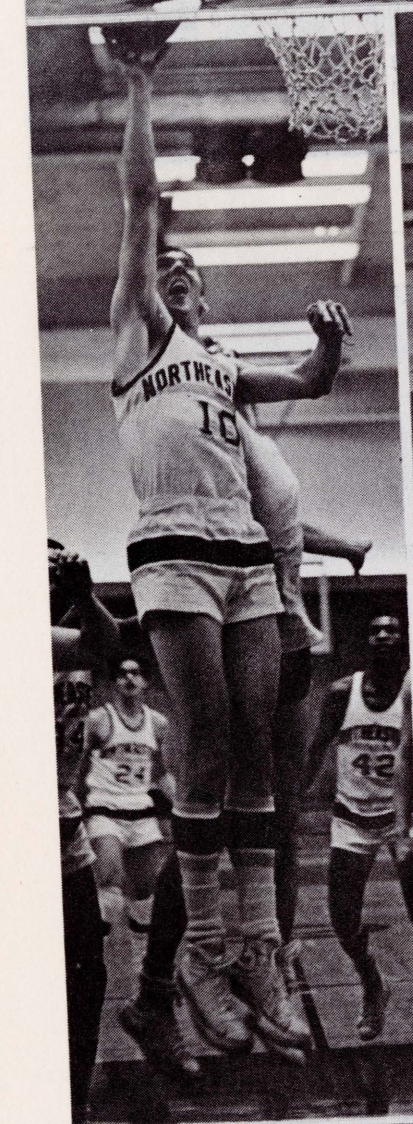
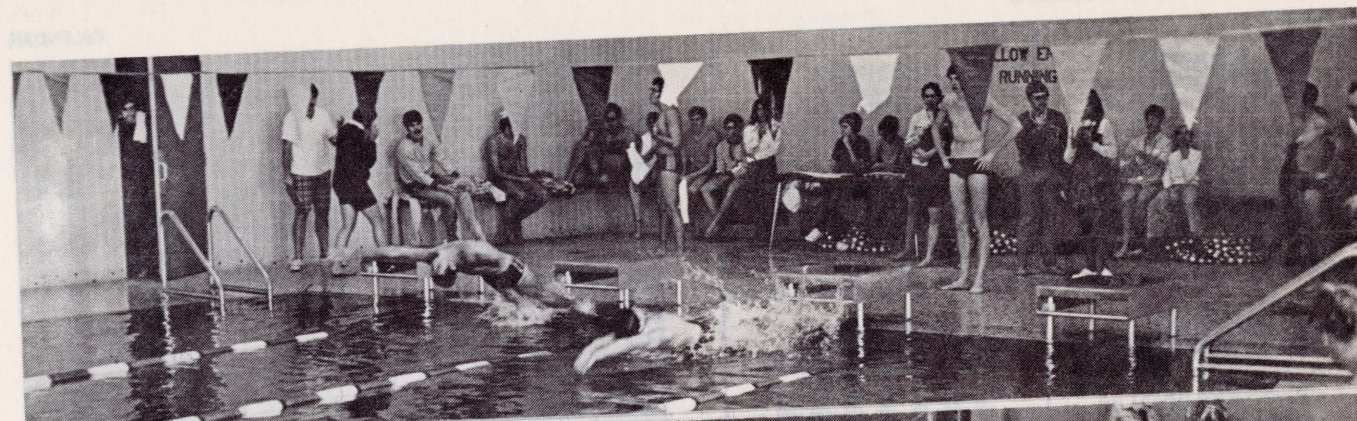
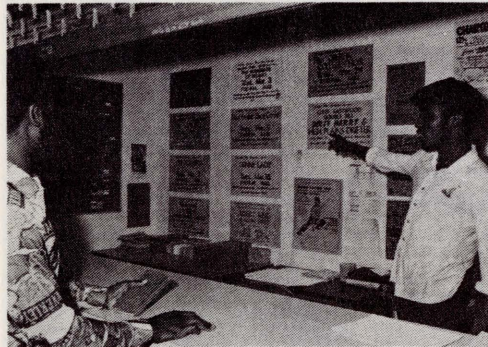




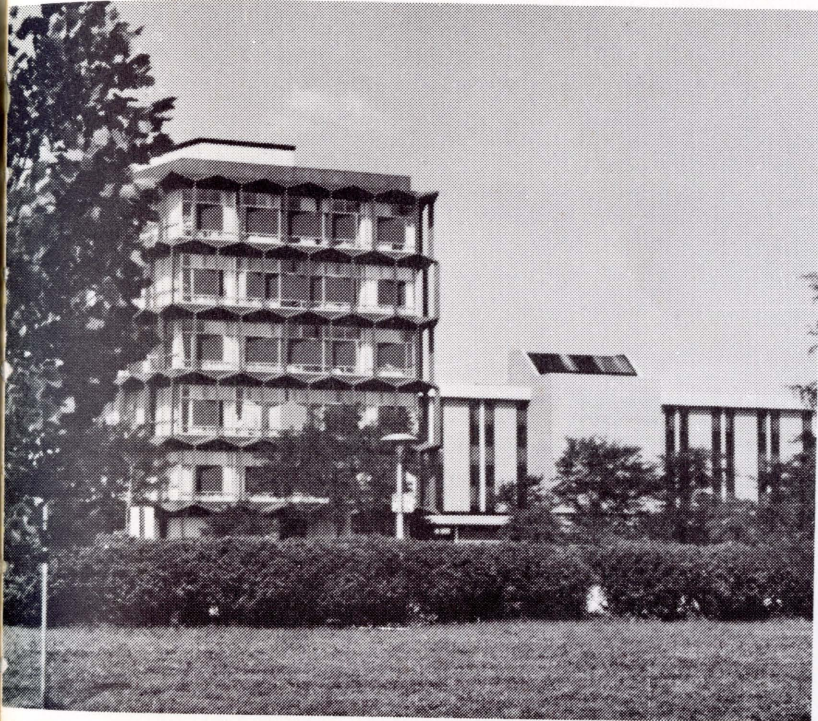
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This issue of the Undergraduate-Graduate Catalog of Northeastern Illinois University is for the academic period 1976-1977.

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