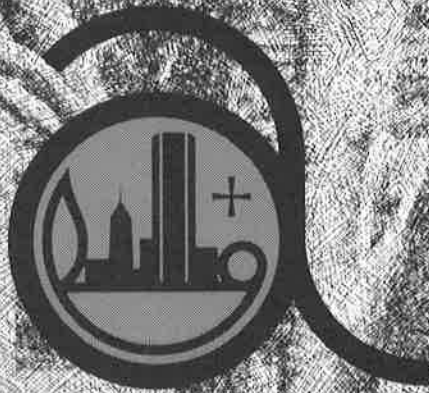


Augsburg College
Minneapolis, Minnesota



1976-1977

2

This publication has been written and designed to answer most of the questions which might be asked about Augsburg College and its curriculum. Although copy was correct at the time of publication, information contained herein is subject to change without notice.



Table of Contents

PAGE 5, INTRODUCTION

PAGE 6, THE COLLEGE

PAGE 8, CAMPUS MAP

PAGE 11, ACADEMIC LIFE

PAGE 16, STUDENT LIFE

PAGE 19, ADMISSION TO THE COLLEGE

PAGE 21, FINANCIAL AID

PAGE 22, EXPENSES

PAGE 25, ACADEMIC ADMINISTRATION

PAGE 29, GENERAL INFORMATION

PAGE 30, COURSE DESCRIPTIONS AND OFFERINGS

PAGE 90, ENROLLMENT AND GRADUATES

PAGE 91, FACULTY BIOGRAPHIES

PAGE 98, PERSONNEL AND ADMINISTRATION

PAGE 100, INDEX



Glossary of Terms

This Augsburg College catalog is designed to give you the information you need to know as a student or prospective student. In it you will find most of the answers to questions you may have about Augsburg. If you have others, please feel free to write or phone the Office of Admissions at the College.

Certain terms used in this catalog may be unfamiliar to you. We hope the following brief definitions will be helpful.

- ACADEMIC** The practices, principles, regulations, and customs which characterize school and college.
- COURSE** A subject studied during one semester or interim such as "Community Development and Organization." In general, four courses are taken each semester at Augsburg and one is studied during the interim in January.
- MAJOR** A concentration of study in one area. Augsburg offers majors in 18 departments.
- MINOR** A concentration in a field of study in less depth than the major.
- ELECTIVE** A course not required for the major or minor but taken by the student from any college department as his or her interests dictate.
- FEE** Charges made by the College for special services such as laboratory equipment or locker rental.
- LOAN** Money a student borrows for college expenses and later repays. See "Financial Aid."
- SCHOLARSHIP** Financial assistance received by a student based on high school performance in and out of the classroom, college standing, or the result of special tests such as the SAT or ACT. Scholarships vary in amounts and length of duration. The amount generally depends upon the financial need of the student. There is no obligation to repay. The same criteria are used for Grants-In-Aid.
- SEMESTER** The College operates on a 4-1-4 calendar. Each semester is 15 weeks in length and the interim is 4 weeks.
- PREREQUISITE** A course which a student is required to complete before another one may be taken. The prerequisite course may be either in the same or another department.



Introduction

There are few liberal arts colleges that combine the excitement and vitality of a metropolitan center with the smallness and intimacy of the rural setting. Augsburg is one of these few, very special Christian colleges which can offer you both.

The small college atmosphere enables you to be a participant or a spectator at a variety of events and activities. Exhibitions, concerts, films, and lectures are regularly available to you on campus. Through the intercollegiate or intramural athletic programs you may choose participation in athletics.

Religious activities are a vital part of the campus. The Religious Life Commission has been established by the Student Government for the purpose of overseeing, stimulating and perpetuating religious life on the Augsburg campus. Its primary purpose and goal is not self-serving nor self-sustaining, but is that of furthering the ministry of Christ on the Augsburg campus.

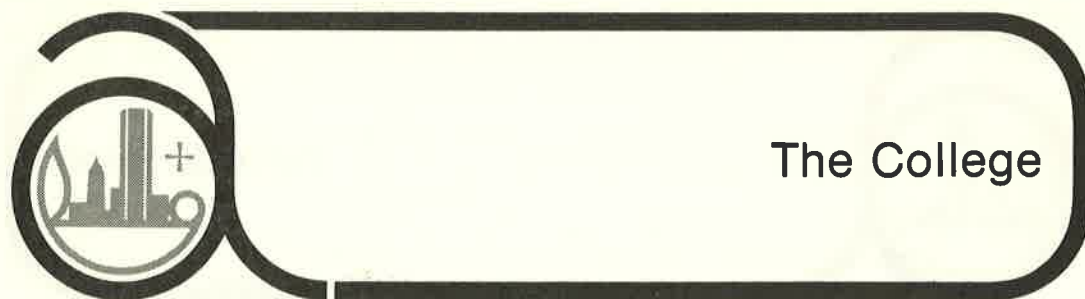
You, the student, are an individual at Augsburg. You design your own learning experience. While distributional and major requirements act as guidelines, there is latitude for you to design much of your own education.

At Augsburg, the innovative and experimental as well as the individual are central. The College follows the calendar known as the "4-1-4."

In the study of the liberal arts, you will encounter ideas and experiences from the whole range of human knowledge. The liberal arts education, however, is more than an accumulation of knowledge from a number of fields. Augsburg recognizes that concentration is necessary in your chosen field. You may choose from a variety of majors for hundreds of career possibilities.

Augsburg is in the center of the Twin Cities of Minneapolis and St. Paul. In this metropolitan setting, a rich kaleidoscope of resources and activities are available to enrich your education. You may choose an evening at the Guthrie Theater, the Brave New Workshop, or at any of the many galleries or coffee houses. You might spend an afternoon touring the Minneapolis Institute of Arts. You may choose a concert by the Minnesota Orchestra or one by the many professional touring groups that appear in the Twin Cities. There are numerous opportunities for individual and team sports. Professional sports are also available — the Twins, the Vikings, the North Stars and the Fighting Saints.

Thus, Augsburg is a distinctive combination: a strong academic program, a capable and dedicated staff, an eager student body, and a remarkable location.



The College

Identification

Augsburg is a four-year liberal arts college affiliated with the American Lutheran Church (ALC). Founded more than 100 years ago, Augsburg celebrated its centennial in 1969 and is in its second century of Christian higher education.

The current student body of over 1600 is largely of Lutheran background though many denominations are represented on campus. About 50% are resident students, while others commute daily from the greater metropolitan area.

Location

Your education will benefit from Augsburg's location in the Twin Cities. Excellent art collections are available to you in the Minneapolis Institute of Arts, the Walker Art Center, and many other galleries.

The Minnesota Orchestra and other area performing organizations afford rich opportunities for the enjoyment of music of many types. The Twin Cities also appear regularly on the itineraries of major performing artists.

A variety of dramatic and musical presentations are provided by several theaters in the area such as the nationally known Guthrie Theater, Theater-in-the-Round, the Old Log Theater, the St. Paul Opera, Chimera Theater and the Chanhassen Dinner Theater.

Recreational activities abound. You can play tennis at parks near the campus or swim in one of the many area lakes. In the winter you

may join other students on skiing trips. Professional sports are available the year around.

Reaching the Twin Cities is easy. Several major airlines provide daily service to Minneapolis - St. Paul International Airport, including United, Northwest Orient, Eastern, Braniff, North Central, Ozark and Allegheny. Bus or train connections can be made from all areas of the United States.

The Augsburg campus is just five minutes east of downtown Minneapolis via Interstate 94 which forms the southern border of the campus. (Directions are given in the map section of this catalog.)

History

Augsburg was the first seminary founded by Norwegian Lutherans in America. Minneapolis replaced Marshall, Wisconsin, as Augsburg's home in 1872. The first college students were enrolled in 1874 and the first college graduation was held in 1879.

The school was officially named Augsburg College in 1963 when its former sponsor, the Lutheran Free Church, merged with the American Lutheran Church. Augsburg Seminary joined with Luther Theological Seminary in St. Paul that same year.

Nature and Objectives

Augsburg is a four-year liberal arts college of the American Lutheran Church. It is committed to an open, honest, competent inquiry into the sciences, arts, and humanities in the context of the Christian faith.

Augsburg emphasizes the following primary objectives:

To expose students to a wide variety of ideas and disciplines, while assisting them to become proficient in one area or major

to help students understand the Christian faith in relation to the contemporary world

to develop students' love of learning and their faculties of reason, criticism, curiosity and imagination by encouraging and maintaining academic excellence

to increase students' understanding of the urban environment and culture, and to enable them to gain the skills needed to respond creatively to the problems and potentialities of the modern city

to encourage students to ascertain their interests and abilities, and to aid them in discovering the occupational opportunities which exist for them

to assist students in their intellectual, emotional, and spiritual growth; to encourage them to develop attitudes and qualities of character compatible with the Christian faith.

Accreditation

Augsburg has achieved full accreditation in a number of associations that set standards by which excellence is judged. Among the associations that recognize Augsburg are:

North Central Association of Colleges and Secondary Schools

The National Council for the Accreditation of Teacher Education (Secondary and Elementary)

The American Chemical Society

The Campus

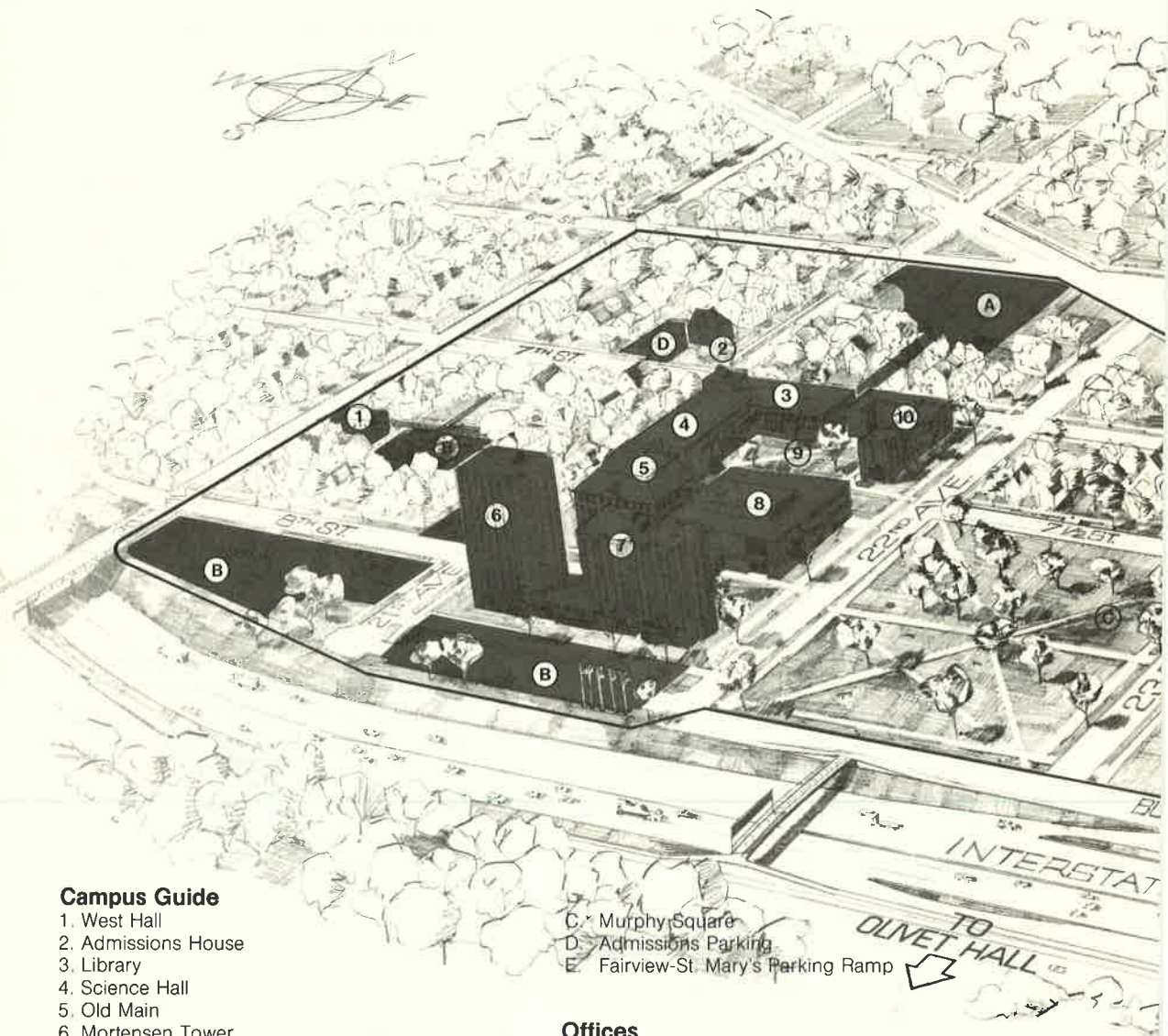
Augsburg's compact campus is located in the heart of Minneapolis surrounding Murphy Square, the first of the 155 parks in the "City of Lakes." The College currently has 15 major buildings with a number of cottage housing units that are very popular with the students. The University of Minnesota and two of the city's largest hospitals, Fairview and St. Mary's, are adjacent to the campus.

Visiting the Campus

The purpose of the campus visit is to permit students to learn, first-hand, about the College program, facilities, and admissions requirements. A personal interview affords candidates, parents, and the admissions counselor the opportunity to exchange information vital in the process of selecting a college and in making admissions decisions. A campus tour and an interview with an admissions officer are strongly recommended but are not mandatory.

Students who wish to arrange for a tour and an interview are asked to write for an appointment or call the office (332-5181). Preferred times for campus visits are 9 a.m. - 4 p.m. weekdays. Arrangements may also be made to meet with a member of the faculty and to attend classes, Monday through Friday, when school is in session.

School, church, and other groups are welcome to visit the College. Arrangements may be made by writing the Office of Admissions, Augsburg College, Minneapolis, Minnesota 55454.



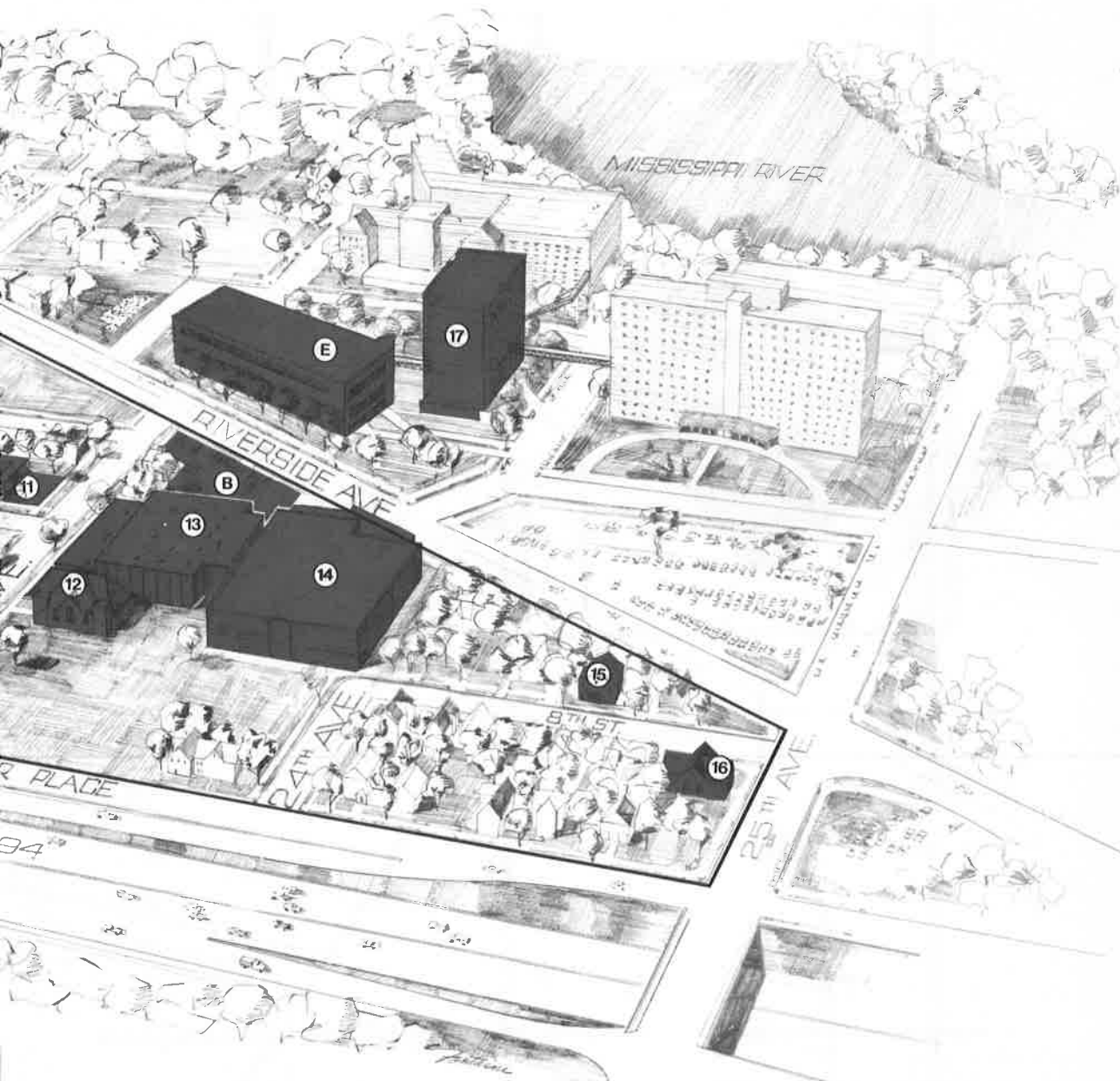
Campus Guide

1. West Hall
2. Admissions House
3. Library
4. Science Hall
5. Old Main
6. Mortensen Tower
7. Urness Tower
8. College Center
9. The Quadrangle
10. Memorial Hall
11. Art Studio and Art Annex
12. Music Hall
13. Si Melby Hall
14. Augsburg College Ice Arena
15. Little Theatre (Speech and Drama)
16. East Hall
17. Fairview-St. Mary's Medical Center
 - Olivet Hall (not shown; located south of the campus on Franklin Avenue)
- A. Faculty-Staff Parking
- B. Student Parking

- C. Murphy Square
- D. Admissions Parking
- E. Fairview-St. Mary's Parking Ramp

Offices

- Admissions (628 21st Ave. S.)
- Alumni Programs (Memorial 2nd floor)
- Audio-Visual (Memorial ground floor)
- Augsburgian (College Center ground floor)
- Auxiliary Programs (Science 156)
- Bookstore (College Center 1st floor)
- Business Affairs (Science 139)
- Career Planning and Placement (Memorial 1st floor)
- Center for Student Development (Memorial 1st floor)
- College Relations (Memorial 2nd floor)
- C.H.R. (Memorial ground floor)
- Data Processing (Science 32)
- Dean of the College (Science 135)
- Development Office (Memorial 2nd floor)
- ECHO (College Center ground floor)



Financial Services (Science 156)
 Housing (Science 156)
 Little Theater (Speech Building)
 MUSIP (Memorial 1st floor)
 News Bureau (Memorial 2nd floor)
 Nursing Director (Memorial 1st floor)
 Personnel Office (Science 135)
 Plant Services (Science 156)
 President's Office (Memorial 1st floor)
 Printing and Mailing (Science 9)

Publications (*NOW series*) (Memorial 2nd floor)
 Residence Programs (Memorial 1st floor)
 Registrar (Science 135)
 S.O.S. (College Center Office)
 Special Programs (Memorial 1st floor)
 Student Government (College Center Office)
 Student Programs (College Center Office)
 Study Abroad (Memorial 1st floor)
 Summer School Office (Memorial 111)
 Treasurer's Office (Science 147)



DRIVING TO THE CAMPUS. Augsburg is easily reached by Interstate 94. If you are coming east from Minneapolis, take the 25th Avenue exit, turn left to Riverside Avenue, and left again to 21st Avenue South. (You'll see the Augsburg sign.)

If you are coming west from St. Paul, take the Riverside Avenue exit (right after you cross the Mississippi River) and then turn right onto Riverside. Watch for the Augsburg sign and turn left at 21st Avenue South.



Academic Life

Augsburg is a modern, well-equipped college which aims to provide its students with a broad liberal arts education as well as prepare them for a career. A strong academic program in the arts and sciences and in theology is available. Pre-professional preparation for such fields as engineering, medicine, law and the Christian ministry is offered. The College prepares students for graduate study in several disciplines. Preparation for careers in business, communications, medical technology, music, occupational therapy, social work, and teaching is available.

Augsburg aims to assist its students through their academic experience to better understand themselves and the world and to equip them to serve according to the interests and abilities of each person.

The 4-1-4 Calendar

Augsburg follows the 4-1-4 calendar. Two 15-week semesters are separated by a 4-week interim in January. During each semester the student generally enrolls in four courses; during the interim there is concentration on one subject.

The interim period is an especially exciting time. The whole world becomes an arena of learning. Creative energies and individual interests determine the course of study. Innovation and experimentation are encouraged in this break in the general academic schedule. Interest in music may take form in the study and presentation of a concert program. Interest in people may find form in the study and participation in activities of a social agency. Newspapers and advertising agencies provide

opportunities for those interested in communications. No matter what your interest, the interim will afford the opportunity to experience and experiment while learning.

Faculty

Augsburg has an able and dedicated faculty who take a personal interest in their students. The student-faculty ratio is approximately 17.8 to 1, with class size averaging 25 or less.

Augsburg faculty members serve as academic advisers and are available for help on individual problems. They know students by their first name and often join students in discussing the political climate, reactions to the latest visiting speaker, or talking over the latest Viking victory while having coffee.

General Education Requirements

Distribution requirements for graduation are minimal, affording the student considerable freedom in the choice of courses. A student seeking a liberal arts education would choose many of them even if they were not required.

In the humanities division, students select courses in literature, philosophy, art, music, speech, drama, and religion. Science courses may be chosen from biology, chemistry, mathematics, physics, or psychology. Courses in economics, history, political science, sociology, and foreign languages or literature are available. Proficiency in English must be demonstrated. One course from an approved list of courses containing an emphasis on

metropolitan concerns is required as well as physical education activities. (For details, see "Academic Administration" section.)

Majors

Augsburg offers the following majors:

- American Studies
- Art
- Biology
- Business Administration
- Business Education
- Chemistry
- Communications
- East Asian Studies
- Economics
- Economics/Business Administration
- Elementary Education
- English
- French
- German
- History
- Mathematics
- Medical Technology
- Metro-Urban Studies
- Music
- Music Therapy
- Natural Science
- Nursing (tentative, 1976)
- Philosophy
- Physical Education
- Physics
- Political Science
- Psychology
- Religion
- Scandinavian Area Studies
- Social Science
- Social Work
- Sociology
- Spanish
- Speech
- Theater Arts
- Transdisciplinary

Other majors such as linguistics and library science are available through the Five College Cooperative student exchange program. The Office of the Registrar should be consulted for further information.

Pre-Professional Training

Students who plan to enter the fields of law, medicine, dentistry, the ministry, and engineering, can profit from a liberal arts education at Augsburg. It is suggested that requirements for admission to graduate schools or seminaries be reviewed and then the course of study at Augsburg be planned accordingly. Augsburg offers a wide scope of courses in the natural and social sciences, in the humanities, and in religion and philosophy which will provide the necessary preparation for future professional study.

Inter-Institutional Programs

Augsburg cooperates with other colleges and institutes in the Twin Cities area on several programs.

FIVE COLLEGE COOPERATIVE PROGRAM.

Students at Augsburg and the St. Paul colleges of Hamline, Macalester, St. Catherine and St. Thomas may elect a course each semester at another campus. No additional fee is required for such an exchange, except for private instruction in music and some independent studies. See under "Independent Study" for further details. Students may elect to do this to gain new perspectives, to get better acquainted with the other schools, or because a specific course or major is not offered on the home campus. Because these colleges have coordinated calendars, the interim term may also be taken on another campus. A regularly scheduled bus shuttles students free between the campuses.

Augsburg College also cooperates with other colleges in planning study opportunities for the January interim. For example, Augsburg and St. Olaf jointly plan a number of foreign study opportunities for the interim. Since the interim program is new each year, the Interim Director should be consulted regarding planned programs.

THE HIGHER EDUCATION CONSORTIUM.

This group is composed of 12 colleges and

universities in Minnesota, Iowa, and South Dakota. Planned activities include innovative curricular programs for students, interchange and sharing of academic personnel and other college resources, cooperative research projects, foreign study, joint sponsorship of a metro-urban affairs conference, and development of programs consistent with the needs and resources of the community organizations of the Upper Midwest.

CHEMICAL DEPENDENCY PROGRAM. A cooperative effort between Augsburg College and Metropolitan Community College in downtown Minneapolis has resulted in the establishment of a four-year program in sociology or psychology with a chemical dependency specialty. The program is designed to train specialists to help professional people in dealing with chemical dependency problems. Courses are taken both on the Augsburg and the Metropolitan campuses.

CONSERVATION OF HUMAN RESOURCES (CHR). These co-learning classes bring together Augsburg students, prison inmates, mental hospital patients, guards, and students at rehabilitation centers. Classes are held at such places as the Shakopee Institution for Women, Stillwater State Prison, Trevilla of Robbinsdale (a halfway house rehabilitation center), or on the Augsburg campus. One purpose of the classes, which are offered by several departments, is to get a first-hand view of the prisons and hospitals, and to personalize the study by actually interacting with inmates and their problems. The response of students involved in the courses, both from Augsburg and the institutions, has been extremely favorable.

Each year the *Conservation of Human Resources* office at Augsburg holds tuition-raising benefits to help pay for inmates' matriculation in these co-learning courses.

COMPUTER PROGRAMMING. Augsburg and Control Data Institute have an arrangement whereby students may transfer the equivalent of three courses in computer programming taken at CDI to Augsburg College.

AFFILIATION WITH SCHOOLS OF NURSING. Nursing students in the schools of nursing at Lutheran Deaconess Hospital and Abbott-Northwestern Hospital receive instruction in biology, chemistry, and other basic courses at Augsburg. Applications for admission to the schools of nursing should be made directly to the hospitals.

MEDICAL TECHNOLOGY. In cooperation with Hennepin County General, Metropolitan Medical Center, and Northwestern hospitals, Augsburg offers work which enables qualified students to receive a college degree with a major in Medical Technology. The first three years of this work are taken at Augsburg, and a final twelve-month program is completed at one of the three hospitals when the student is accepted by the participating hospital for its program. Augsburg College does not guarantee acceptance by the hospitals.

ENGINEERING. Affiliation with Washington University School of Engineering and Applied Science in St. Louis, Missouri, and Michigan Technological University in Houghton, Michigan, enables a student to receive the Bachelor of Arts degree from Augsburg College and an engineering baccalaureate degree from Washington University or Michigan Technological University, in a five-year program. The first three years are spent at Augsburg and the last two at the affiliated university.

CORRECTIVE THERAPY. A program in Corrective Therapy worked out in cooperation with the Veterans Administration Hospital, Fairview Hospital, and Cambridge State Hospital, is available to students who complete a major in physical education with specialization in Corrective Therapy.

Admission to the curriculum requires an application to be approved by the Director of Physical Education. Application should be made during the spring semester of the sophomore year. Candidates are required to

have a 2.5 grade-point average in work completed in the major and a 2.0 grade-point average over-all. All candidates should, as soon as possible, consult with the Director of Physical Education regarding proper sequence of courses.

Opportunities for Study Abroad

There are several types of international experience available to Augsburg students. Some of them are briefly described below. For application procedures and further information, request the special brochure on International Study at Augsburg from the Director of International Programs.

STUDENT PROJECT FOR AMITY AMONG NATIONS (SPAN). Augsburg participates in the SPAN program. This is a joint venture of the University of Minnesota and several colleges in the state. Each year three or four countries are selected, and qualified students are granted partial scholarships to enable them to spend a summer in informal study in one of the countries chosen. Applications to the program are made in the spring of the freshman or sophomore year. The SPAN program consists of three stages: language study and group meetings during the school year before departure, independent study abroad on a topic of one's choice during the following summer, and the writing of a paper upon return.

SEMESTER OR YEAR ABROAD.

Arrangements have been made under which Augsburg students may spend their sophomore or junior year in study at a number of foreign educational institutions. These institutions are The University of Oslo, Norway; Schiller College in London and Heidelberg; Warnborough House College at Oxford, England; the Instituto Allende at San Miguel de Allende in Mexico; the Institute for American Universities at Aix-en-Provence and Avignon in France; The Goethe Institute in Germany; The University of Hamburg, Germany; the University of Seville, Spain; and the University of Laval in Quebec. In addition, through the Higher Education Consortium for Urban

Affairs, Augsburg students may take part in the Scandinavian Urban Studies Term and through the Experiment in International Living, Augsburg students are offered study programs in Colombia, Denmark, England, France, Germany, Ghana, Greece, Guatemala, India, Ireland, Italy, Japan, Nepal, Spain, Taiwan, Turkey, and Yugoslavia. This type of study must be approved *before departure* by the Director of International Programs, one's faculty adviser, and the Committee on Admissions and Student Standing. Credit earned through foreign study may be applied to the student's graduation requirements as electives, as elements of the major sequence, or to satisfy some of the general education requirements.

SUMMER SCHOOL. Again there is a wide variety of possibilities for those who wish to spend a summer studying abroad. Recently Augsburg students have spent summers in Norway, Spain, Mexico, France, Greece, Germany, and England. Those interested in further information should contact the Director of International Programs.

INTERIM. Study abroad during the interim is planned for each year. See listings under the Augsburg Interim Catalog and in the brochure on Interims Abroad issued each spring for the following January.

Honors Program

Some special accelerated course sections are available to freshman students with outstanding high school records. For superior students of all class years, interdisciplinary honors seminars are offered each term.

Several departments of the College offer programs through which the student can earn honors in the major. The opportunity to do independent study in fields of interest is available throughout the College.

For students who apply for and receive special status as Honors Scholars, general education requirements are modified as necessary to meet the student's needs and interests. Addi-

tional information on the honors program is available upon request from the Honors Program Director at Augsburg.

MUSIP

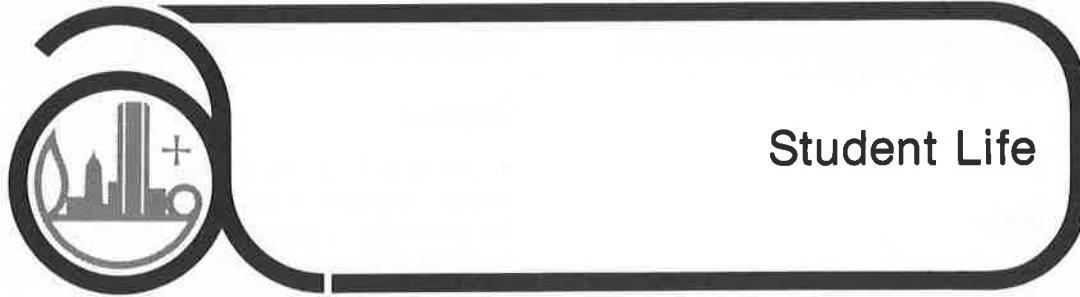
The Metro-Urban Studies Internship Program (MUSIP) is Augsburg's college-wide program. It provides students in all fields of study with the opportunity to gain practical on-the-job experience that can be related to their academic program or personal interests. Internships are

available with a variety of companies, agencies and community organizations.

Degrees

Augsburg College offers the Bachelor of Arts degree, the degree of Bachelor of Music, and the Bachelor of Science degree. The degree, Bachelor of Science, is awarded to graduates with majors in Medical Technology, Music Therapy, and Social Work. Majors in Music may select the program for either the Bachelor of Arts or the Bachelor of Music degree. Graduates with majors in other fields receive the Bachelor of Arts degree.





Student Life

Your experiences in the classroom are major influences in your college life. They need supplementing, however, by other activities and opportunities. Whether as a resident student or commuter, you'll find that the climate for learning and living at Augsburg adds dimension to your education.

Social and Cultural

Throughout the year, a variety of social and cultural activities takes place on campus as well as in the Twin Cities. These activities include dances, special dinners, big name entertainment, and visiting personalities in various fields.

The College Center is the focus of leisure-time activity on campus. Offices for the College newspaper, the *Augsburg Echo*, and the yearbook, the *Augsburgian*, are on the lower level. Many of the clubs that unite classroom or non-classroom related interests meet in the Center.

There are several opportunities for participation in music and drama. In addition to campus and local performances, the Augsburg Choir, Concert Band, and Orchestra tour regularly. The String Ensemble, the Choral Club, the Jazz Ensemble, and several student-organized groups such as the Cabaret Singers also perform on and off campus. Several plays are given on campus each year under the direction of the theater arts department.

Recreation

Every student is urged to participate in some activity for his or her own recreation and relax-

ation. An intramural program provides competition in a variety of team sports as well as individual performance activities. Climaxing the intramural program is the Extramural Meet, a tournament for intramural winners at various colleges.

Intercollegiate Athletics

Augsburg is a member of the Minnesota Intercollegiate Athletic Conference (MIAC). The College annually competes in ten sports, including football, soccer, cross country, basketball, hockey, wrestling, baseball, track, tennis, and golf. Augsburg is also a member of the Minnesota Women's Intercollegiate Athletic Association (MWIAA) and the Association for Intercollegiate Athletics for Women (AIAW). The women annually compete in volleyball, gymnastics, basketball, badminton, golf and tennis.

Religious Life

An important part of daily life at Augsburg is religious activity. The Religious Life Commission, chaired by a student and composed of students and faculty, sees its major responsibility in relation to worship, devotional life, and the stimulation of faith through discussion and service. Chapel services are held four times a week and are both experimental and traditional in character. Students, faculty and staff attend voluntarily.

Student Services

The staff of the Center for Student Development is available for personal, career, and

academic counseling and consultation on questions of academic procedure, financial problems, student activities, and residence living.

The Center for Student Development also provides a variety of programs focusing around the themes of interpersonal identity, career-lifestyle planning, and utilizing the educational environment.

Reading and study skills assistance and tutoring are provided by the Center for Student Development staff.

All members of the Augsburg faculty serve as academic advisers. Advisers are assigned on the basis of academic interests and students are encouraged to establish close working relationships with their adviser. The faculty takes both a scholastic and personal interest in students. Secondary Education students may desire a second adviser: one in the major and one in the area of education. Freshmen also have an upperclass adviser.

Career Planning and Placement services are available to all students, and a Minority Coordinator provides special support services and programs for minority students on campus.

New Dimensions Program

The New Dimensions Program is for adults who have not attended or who have not graduated from college. The program provides admissions counseling, career guidance and planning, a simplified time-saving registration procedure, on-the-job experience prior to graduation, and, for those who desire it, a special course to ease the transition to academic life.

The transitional course, "The Adult Student: Issues and Challenges," is offered several times a year. It includes self-assessment, testing, counseling, training and practice in study skills, career exploration, and discussion of personal and family problems arising from the return to school. The course enables returning adults to get to know each other through sharing experiences, problems, hopes and aspirations.

For further information, contact the New Dimensions Office at Augsburg.

Housing

Because Augsburg recognizes that a student's ability to respond to the learning environment depends, in part, upon his or her living conditions, a variety of housing alternatives is provided. The residence hall program is designed to promote student growth through relationships with other students and being an active participant in group decision making. Each residence unit has one or more Resident Assistants who are able to facilitate the process of group living as well as discuss personal concerns with individual students.

Most new freshmen and some upperclassmen live in **Urness Tower**. This eleven-story high-rise houses 324. Each floor is considered a house unit providing 36 students, two to a room, with their own lounge, study, and utility areas.

Mortensen Tower, the newest residence hall, is an alternative to traditional residence hall living. It contains 104 one- and two-bedroom apartments to accommodate 312 upperclass students.

Sverdrup-Oftedal Memorial Hall houses about 60 upperclass men and women. Memorial's special advantage is that it is large enough to meet new people, but small enough to retain a friendly, close atmosphere.

Another alternative option is **Annex Housing** which provides a unique opportunity to try group living. Groups of upperclass men or women share living space, house responsibilities, and cooking. Houses are located in the greater campus area.

Married student housing is available in *annex housing, Mortensen Tower and West Hall*.

All freshmen and sophomores not living at home are required to live in college-operated housing.

Mortensen Tower is carpeted, air conditioned, and contains kitchen units. It is otherwise unfurnished. In other residence halls or houses, rooms are furnished except for bed linen,

towels, blankets, and bedspreads. Laundry facilities are available in each residence. An optional rental linen service is available to students in residence halls and annex housing units.

Students engage a room at the beginning of the fall term for the entire school year. New students receive room assignments during the summer before they enroll at Augsburg. Upperclass students make housing arrangements in the spring. All resident students must sign housing contracts.

Freshmen and transfer students are urged to make the tuition deposit by June 1 in order to secure housing. Students who deposit after June 1 will be provided housing only if space is available.

All students living on campus are required to pay a \$50 advanced payment when they sign

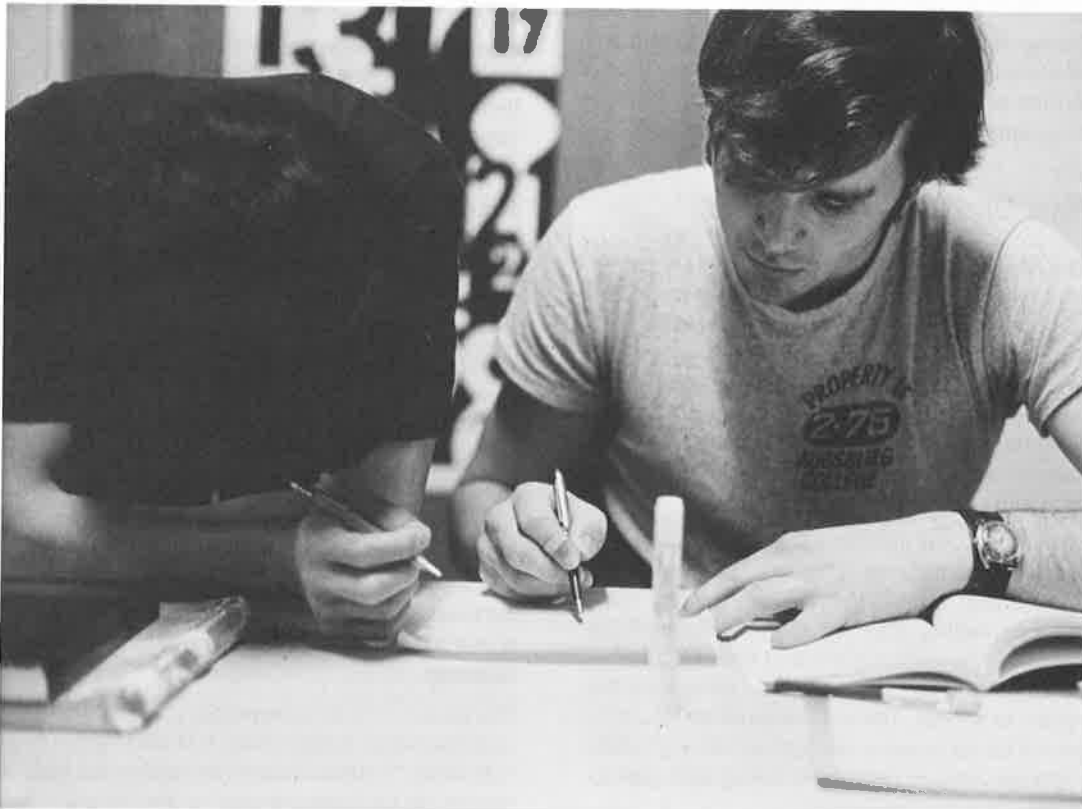
the housing contract. The fee is credited to the student's account when they move into the residence.

Food Service

The Commons, situated on the top floor of the College Center, is the main food service facility. This pleasant room features small table units for easy conversation and overlooks the College Quadrangle and Murphy Square. The portions are generous and modestly priced. Students on board plan living in residence halls eat their meals in the Commons.

The Chinwag, located on the ground floor of the Center, features short orders and is open through the noon hour and in the evenings.

Augsburg provides a variety of board plan options for those living in College houses or nearby apartments.





Admission to the College

Applying for admission to Augsburg College is a simple procedure. Each application is reviewed by the Admissions Office and students are accepted on the basis of high school performance, promise of success in college as shown by college entrance examination scores, other motivational factors, and personal recommendations.

It is the policy of Augsburg College to afford to all persons equal opportunity to benefit from its educational programs, student personnel services, financial aid, housing, student employment and other services without regard to race, color, religion, sex or ethnic background.

A visit to the campus is highly recommended: admissions counselors are available to help you, answer your questions, and arrange for you to see the campus.

The Application Process

1. Secure from the Admissions Office, and complete, an official application for admission.
2. Hand the completed application to your high school counselor, along with the \$10.00 application fee, and ask that these be sent with your official high school transcript through the last complete semester to:
Admissions Office
Augsburg College
731 21st Ave. South
Minneapolis, Minn. 55454
3. Submit scores from the SAT or ACT or PSAT. The College recommends that candidates sit for the examination as early as possible during the senior year. Your high

school counselor can tell you when these tests are scheduled in your area.

4. Admissions to the College are made on a "rolling" basis: soon after an application file is complete, a decision will be made and the student notified. A non-refundable \$50.00 tuition deposit is required by April 1 after acceptance has been made and/or financial aid (if applied for) has been awarded.

5. After the deposit has been made, the student must complete a medical history form, which will be sent by the College.

6. Room assignments for those who have requested to live on campus, and matriculation information will be mailed to the student during the summer.

Transfer

Students are accepted by transfer from other colleges and universities on the basis of their academic record. College credit is granted for liberal arts courses satisfactorily completed at accredited institutions. The College reserves the right not to grant credit for courses where it considers the work unsatisfactory, and to grant provisional credit for work taken at unaccredited institutions. The grade average for graduation is based on work taken at Augsburg, but to determine graduation with distinction, all grades are averaged. Transfer students with the A.A. degree are considered as having met all general education requirements at Augsburg except for two courses in religious studies.

The Transfer Process

1. Secure from the Admissions Office, and

complete, an official application for admission. This should be sent to the Admissions Office with a \$10.00 application fee.

2. Request official transcripts from all colleges or universities attended to be sent directly to the:

Admissions Office
Augsburg College
731 21st Ave. South
Minneapolis, Minn. 55454

3. Admissions to the College are made on a "rolling" basis: soon after an application file is complete, a decision will be made and the student notified. A non-refundable \$50.00 tuition deposit is requested within one month after acceptance has been made and/or financial aid (if applied for) has been awarded.

4. After a deposit has been made, the student will be requested to complete a medical history form, which will be sent by the College.

5. Room assignments for those who have requested to live on campus and matriculation information will be mailed during the summer.

Early Decision

An Early Decision Program is offered for students who select Augsburg as their first college choice and who will accept an offer of admission if it is extended. An Early Decision candidate must apply by November 15 of the senior year and will receive the admission decision about December 1. After notification of admission and adequate financial aid, if needed, has been provided, the student must agree to withdraw applications made to other colleges. The admissions decision is based upon the academic record through the junior year, test scores, and recommendations. A \$50.00 tuition deposit which is non-refundable is required by January 1.

Early Admission

An Early Admission Program is offered for a few high school juniors. To apply for Early Admission, a student must have a high academic record and test scores, recommendation from the high school, and the maturity to cope with a college course after his junior year in high

school. Also, it is recommended that the student complete the requirements for a high school diploma during the summer or during the first year of college. A student applying for Early Admission can take the Scholastic Aptitude Test in January or March of his junior year.

Project Ahead

A cooperative program between Augsburg College and the United States Army makes provision for an individualized plan of education. A prospective student who qualifies for the program may choose Augsburg as a home school and carry on a pre-planned course of study at other colleges while in the Army. An adviser at Augsburg assists the student in the selection of courses which will transfer and apply toward graduation when the student matriculates to Augsburg. A registration fee of \$100 is charged. This fee will apply toward the student's tuition, provided he or she matriculates as a full-time student to Augsburg College within five years from initial registration with the college in Project Ahead.

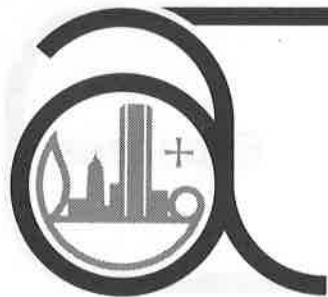
The Army provides up to 75% of the tuition for courses under Project Ahead. After enlistment, when the student enrolls at Augsburg, the Army provides 36 months of financial assistance under the G.I. Bill.

Advanced Placement

Advanced placement is granted to students who qualify, on the basis of work taken in high school or elsewhere, to enroll in courses beyond the beginning level. Placement may be determined by tests, or by the level and length of the study previously completed.

Advanced Standing

College credit is granted to high school students who have successfully completed a college level course and who have scored high on the Advanced Placement Examinations. Augsburg will also award credit on the basis of scores received on the College Level Examination Program (CLEP) offered by the College Entrance Examination Board. Requests for detailed information may be addressed to the Registrar at Augsburg.



Financial Aid

About 90% of all Augsburg students receive financial assistance from the college through some form of scholarships, grants, loans, campus employment, or a combination of these. Assistance is awarded on the basis of financial need and academic record. Application for aid is made by completing the Family Financial Statement (FFS) of the American College Testing Program. While Augsburg College prefers the FFS, which is required for students applying to the Minnesota State Scholarship and Grant Program, students may instead submit the Parents Confidential Statement (PCS) of the College Scholarship Service to be considered for financial aid. Upperclass students must also complete the Augsburg Application for Financial Aid.

For the academic year 1974-75, approximately 1450 of the 1600 students at Augsburg received

scholarships or grants totaling \$1,429,000 from Augsburg and all other sources, and federal loans totaling \$631,000.

Augsburg participates in the Minnesota State Scholarship and Grant Program for which all Minnesota residents are *expected* to apply, and the following federal programs: *Supplementary Educational Opportunity Grant, Basic Opportunity Grant, National Direct Student Loan (formerly National Defense Student Loan), College Work-Study, and Federally Insured Student Loan*. Both on-campus and off-campus work opportunities are also available.

Applications for financial aid received by April 1 will be considered first. For further information, contact the Office of Student Financial Services at Augsburg College.





Expenses

The costs expressed herein are subject to change without notice.

TUITION — \$2,550

This full-time rate applies to new freshmen, transfer or returning students (not on a prior year guarantee plan) entering the academic year beginning in September, 1976. Students are considered full-time when they take three or more courses during the semester terms.

Under the 4-1-4 calendar, the student must register for the semester periods.

If the student elects to omit an interim, a refund is not authorized.

A part-time rate of \$350 a course is charged the student taking less than three courses in a semester or registering for an interim course only.

Full-time students may audit a course without charge. For part-time students, the charge for auditing is \$175 a course.

SPECIAL FEES — NOT REFUNDABLE

Application fee, \$10.00 is required from all new students.

Registration fee for students studying abroad on approved non-Augsburg programs is \$25.00.

Seniors enrolled in the Medical Technology program at one of the hospitals must register at Augsburg. The charge will be \$210.

Fee for change in registration after the first three days of classes is \$2.00 for each course cancelled or added. Late registration fee after classes begin is \$5.00 per day.

SPECIAL COURSE FEES — NOT REFUNDABLE

Cinema Arts, \$20

Computer Science, \$30 per course

Film Making Course (Laboratory fee), \$60.00

Student Teaching, \$35

Study Abroad — See Study Abroad Adviser.

Music lessons in addition to tuition are \$110 a semester (14 lessons), or \$8.00 per lesson during the interim.

Practice Studio rental for each semester for one hour a day: organ, \$20.00 (\$5.00 an interim); piano or voice, \$8.00 (\$2.00 an interim).

Band-Orchestra instrument rental: \$15.00 a semester.

OTHER COSTS

Transcript fee: first copy free, additional copy, \$1.00.

Locker rental for commuter students: \$5.00 or \$7.00.

Arrangements for special examinations are made in the Registrar's Office, with charges according to the schedule on file.

Books and supplies are available from the Bookstore on a cash or charge account basis.

BOARD AND ROOM

Full Board and Room — \$1,300

Partial Board and Room — \$1,220

Meal Coupons and Room (Limited Residences) — \$850

5 Day Lunch Plan — \$260

In the event of excessive increases in the cost of operation, these board rates may be increased at any time before or during the contract year.

A full board plan provides 21 meals per week. The partial board plan provides 14 meals per week in a combination of breakfasts and dinner or noon lunch and dinners.

The meal coupons are restricted to apartment style residences named by the College in the "Housing and Food Services contract."

A lunch contract is available to non-resident students and provides five noon lunches per week.

Linen service is available in residence halls on a direct contract basis from a local linen supply company at about \$50 per year.

1976-77 Cost Summary

Application Fee — \$10.00

Tuition — \$2,550
(*Tuition deposit of \$50.00 paid on acceptance to Augsburg and applied to the tuition charges.*)

Board and Room — \$1,300

Breakage Deposit — \$25.00
(*Refunded on termination of studies at Augsburg*)

Deposits

TUITION DEPOSIT — New students, \$50.00 (not refundable). Required of students whose application for admission has been accepted; to be paid by April 1, 1975 (payment is due January 1 under Early Decision Program). The payment is applied to the tuition charge.

ROOM RESERVATION DEPOSIT — All resident students, \$25.00 (not refundable). Required at the time of signing a contract, to reserve a housing assignment for the term beginning September, and applied to the room charge.

BREAKAGE AND FINE DEPOSIT — All students at registration, \$25.00. Refundable upon graduation, transfer to another institution, or discontinuing education program at Augsburg.

Settlement of Account

A statement of estimated charges for the year will be prepared and forwarded to the student early in August. Payment of the five-month billing period is due August 20, and the second semester is due January 20. Variation from this schedule must be arranged with the Business Office prior to August 20. No student is permitted to register if his or her account for a preceding term has not been paid in full.

Refunds

If a student decides to cancel his registration, refunds of tuition and room charges are allowed according to the following schedule:

100% through the first Friday of classes.

24

80% during the balance of first week of classes.

70% during the second week of classes.

60% during the third week of classes.

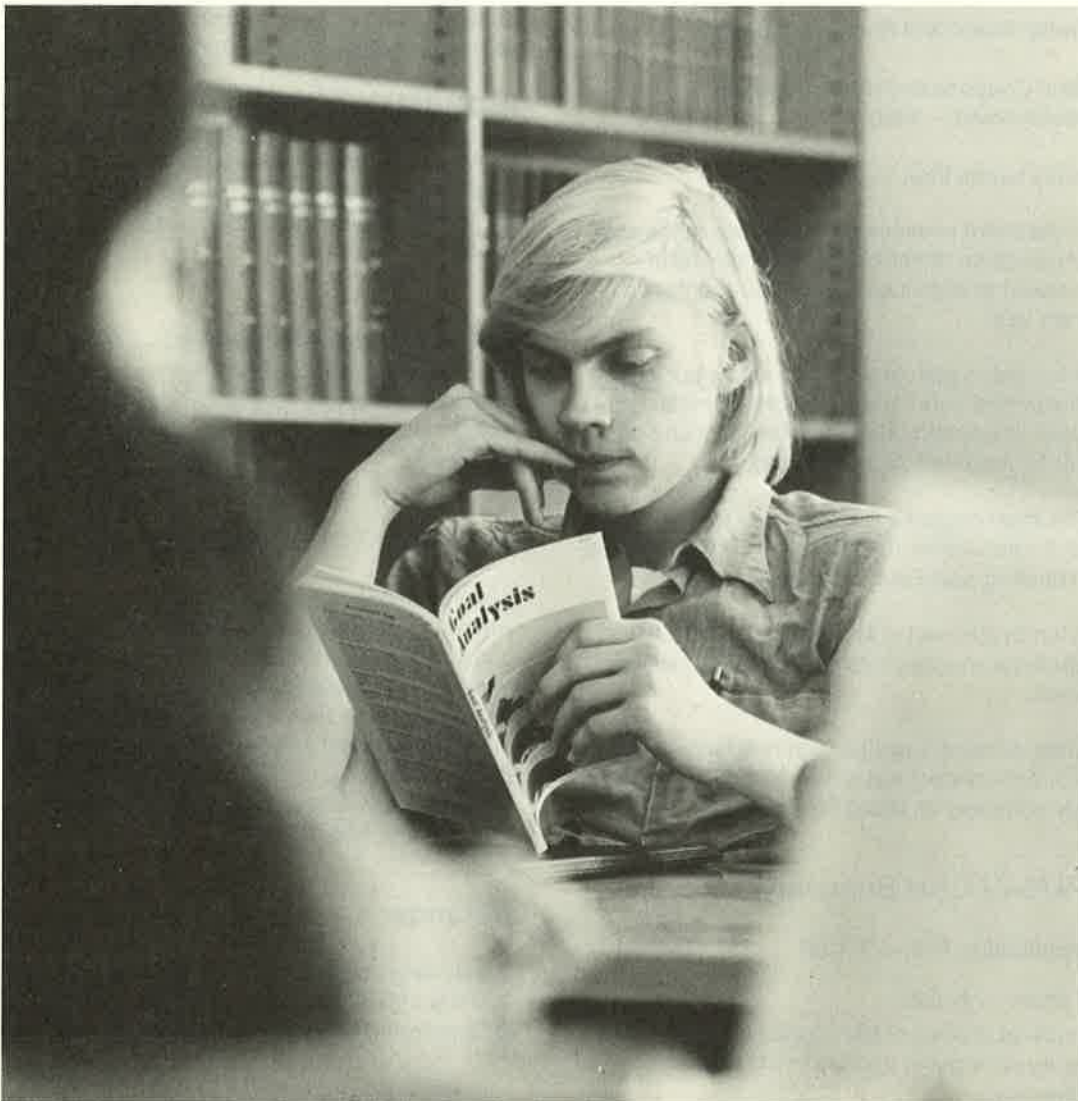
50% during the fourth week of classes.

40% during the fifth week of classes.

No allowance is given after the fifth week. If a student is forced to cancel his registration because of accident or illness during the first five weeks of the term, the charge is reduced by 50%.

Students required to enter military service will receive a full refund of tuition and a proportionate refund on room charges.

In all cases, board refunds are made on a proportionate basis.





Academic Administration

Students who enroll at Augsburg College are encouraged to plan their own course of study with the help of faculty advisers who are readily available for consultation and guidance. A well-planned program of liberal arts studies will include courses in the humanities, the natural sciences, and the social sciences.

Augsburg graduates are expected to be able to write effectively; they are also expected to be knowledgeable about urban concerns and have some understanding of cultures outside the United States.

The general physical activities courses at Augsburg are designed to equip students for lifetime sports and recreational activities.

Courses in religion are intended to assist students in their reflection on the meaning of the Christian Church through the study of its beliefs, its scripture, and its mission.

Augsburg College offers the Bachelor of Arts degree, the degree of Bachelor of Music, and the Bachelor of Science degree. The degree, Bachelor of Science, is awarded to graduates with majors in Medical Technology, Music Therapy, and Social Work. Majors in Music may select the program for either the Bachelor of Arts or the Bachelor of Music degree. Graduates with majors in other fields receive the Bachelor of Arts degree.

MINIMUM GRADUATION REQUIREMENTS INCLUDE THE FOLLOWING:

1. A total of 35 courses of which 11 must be upper division (numbered in the 300's and 400's) and not more than 13 in one department, except 17 for Bachelor of Music degree. A maximum of 4 C.H.R. courses, 2 courses by independent study, 4 courses of internship and 8 courses with a grade of P may apply toward the 35 total courses required.
2. Completion of a major. Requirements for each major are listed under departmental headings.
3. A grade point average of 2.0 in all courses taken and in courses which apply toward the major.
4. The last year of study at Augsburg College.
5. Three interim courses. For transfer students, the number of interim courses is one less than the number of years at Augsburg.
6. Satisfactory completion of distribution requirements as follows (one course may meet one requirement only):
 - a. A course in writing (English III) or demonstrated proficiency in writing.
 - b. A course from at least two of the following four groupings: art or music; literature (from the Department of English); philosophy; speech or drama.
 - c. A course from at least two of the following departments: biology, chemistry, mathematics, physics, psychology.
 - d. A course from one or two of the following departments (two different departments): economics, history, political science, sociology; and one or two courses from the Department of Foreign Languages to make a total of three courses in these five departments.

- e. Three courses in religious studies of which not more than one may be an interim course. For transfer students, the number required is one for each year of study (or equivalent) at Augsburg.
- f. A course relating to urban concerns.
- g. Three recreational activities or demonstrated proficiency in three lifetime sports. Students with proficiency in one or two sports may meet this requirement with one semester of activities.

Divisional Organization

The college courses are organized into four divisions in order to make interdepartmental coordination more convenient and cooperative aims more easily achieved. A chairman for each division is appointed for a two-year term.

Major and minor requirements are indicated in the departmental statements in the course listing section.

NATURAL SCIENCE AND MATHEMATICS

Chairman: *Earl R. Alton*

Department of Biology
Department of Chemistry
Department of Mathematics
Department of Physics

SOCIAL AND BEHAVIORAL SCIENCES

Chairman: *Duane Johnson*

Department of Business Administration,
Business Education, and Economics
Department of History
Department of Political Science
Department of Psychology
Department of Sociology and Social Work

PROFESSIONAL STUDIES

Chairman: *Einar O. Johnson*

Department of Education: Elementary
Education, Geography, Library Science,
Secondary Education
Department of Physical Education and Health
Education
Department of Music

HUMANITIES

Chairman: *Eugene Skibbe*

Department of Art
Department of English
Department of Foreign Languages: Chinese,
French, German, Greek, Japanese,
Linguistics, Russian, Scandinavian
Area Studies, Spanish
Department of Philosophy
Department of Religion
Department of Speech, Communications, and
Theater Arts

Registration

A student must be registered for a course in order to receive credit for it.

A normal load is four courses per semester and one course in the interim. Students registered for three or four courses in a semester are classified as full-time students.

Although a student may register up to two weeks after the semester begins, it is advantageous to do so at the regularly scheduled time. A fee is charged for late registration. A fee is also charged for changing registration, i.e., cancelling or adding courses after the first three days of the semester.

Students are urged not to abandon courses for which they are registered. Abandoned courses result in a failing grade. Cancellation of courses or cancellation from College must be done in the Registrar's Office.

Students who have completed at least seven courses with a 2.0 average are classified as sophomores, 16 as juniors, and 25 as seniors.

Probation and Dismissal

A student may be placed on scholastic probation at the end of a term if his achievement is unsatisfactory.

FRESHMAN,	below 1.6 or 2 zero grades having taken 6 or fewer courses
SOPHOMORE,	below 1.7 or 3 zero grades having taken 7-15 courses
JUNIOR,	below 1.9 having taken 16-24 courses
SENIOR,	below 2.0 having taken 25 or more courses

If a student has been on probation two or more semesters consecutively, he is subject to dismissal at the end of the following spring term. A student who has a poor academic record may be strongly advised to withdraw before the end of spring term.

Dismissal from the College will not be automatic. Each case will be reviewed by the Committee on Admissions and Student Standing.

A student who has been on probation for two terms and withdraws from the College voluntarily must have special permission to re-enroll.

Grading

Most courses are graded on a scale of 4.0 to 0 with definitions as follows:

- 4.0 Achieves highest standards of excellence.
- 3.5
- 3.0 Achieves above basic course standards.
- 2.5
- 2.0 Meets basic standards for the course.
- 1.5
- 1.0 Performance below basic course standards.
- .5
- 0 Unacceptable performance (no credit for the course).

Most courses are also offered on a Pass/No Credit system, with P meaning a grade of 2.0 or better and N meaning no credit and a grade of less than 2.0. On the P/N grading system the

grade is recorded but not computed in the grade point average.

A student may count a maximum of eight courses of P toward graduation. For transfer students the maximum is an average of two courses per year. Two courses in the major and one in the minor may be on P/N grading system if approved by the department chairman.

Sociology 383, some education courses and several interim courses are graded only on the P/N grading system. Students are cautioned to use the P/N grade option with care since some graduate and professional schools do not look favorably on a large number of P-graded courses.

Students must indicate on their registration card those courses which they wish to take on the P/N grading system. Any changes in choice of grading system must be made during the first two weeks of the semester. A fee is charged after the first three days of classes.

An incomplete grade (I) may be given only in the case of extreme emergency. To receive an I grade, a student must file a petition with the Committee on Admissions and Student Standing stating the reasons for requesting it, the plan and date for removing it, and comments from the instructor of the course. If permission to receive an I grade is granted, it must be removed during the following semester. If the incomplete is not removed during the following semester, it becomes the grade submitted by the teacher along with the Incomplete.

A grade of X may be given for an Independent Study or Directed Study course that is to be spread over more than one semester. Such a course must be completed during the second semester or the grade of X will remain on the record.

A course in which a grade of 0, 1.0, 1.5, N, I, or X has been received may be repeated for credit. Only the credits and grades earned the second time are counted toward graduation and in the grade point average. Courses in which higher grades have been earned may not be repeated for credit; they may, however, be audited.

Students who wish to take courses without credit or grade may do so by registering for Audit (V). Such students should confer with the professor within two weeks of the beginning of the term to determine expectations, attendance requirements, etc.

If expectations have been met, the course will be listed on the student's transcript as having been audited. If expectations have not been met, the course will be listed with a grade of W (withdrawn).

Full-time students may audit a course without charge. The charge for part-time students is listed under **Expenses**.

Graduation With Distinction

Graduation with distinction is determined as follows:

Summa cum laude	3.9 - 4.0	grade average
Magna cum laude	3.6 - 3.89	grade average
Cum laude	3.3 - 3.59	grade average

Independent Study

Independent study programs are offered by many departments in the College. These programs are often available to conscientious

students who can demonstrate sufficient background and preparation in a given field to carry out work on an independent basis. Students interested in registering for independent study must first secure permission from the faculty member who will direct the study as well as from the department involved.

A student who registers for independent study should normally expect to complete it in one semester but may extend it into the next term by permission of the instructor. In such cases, a grade of X is given at the end of the first term, and the student will register again for the course in order to receive the final grade.

A maximum of two courses in Independent Study and/or Directed Study may count toward the 35 courses required for the degree.

In the Five College Cooperative Program, students may cross-register for independent studies only when the major field in which the independent study is proposed is not available on their home campus. Requests for exceptions to this policy should be made directly to their own academic dean. The student will be charged for any special costs attached to independent study by the host campus.





General Information

Credit by Examination

Students who are interested in earning credit by examinations should consult with department chairmen or with the Registrar. Credit may be earned through the College Level Examination Program (CLEP) or by comprehensive examinations.

Classification

Sophomore	7 courses	14 grade points
Junior	16 courses	32 grade points
Senior	25 courses	50 grade points

To be considered full time for the year, a student must register for at least three courses each of the two semesters and one course during the interim (for a total of seven courses). To be considered full time for a semester, a student must register for at least three courses.

Courses

All courses have equivalent value unless otherwise indicated. A course has the approximate value of 4 semester credits. A total of 35 courses is required for graduation.

Most courses meet for three sixty-minute periods or two ninety-minute periods a week in addition to laboratories. Each semester is approximately 15 weeks in length.

Unforeseen circumstances may necessitate making changes in course offerings. Courses with inadequate registration may be canceled. Students should consult the schedule of classes to determine definitely the current course offerings.

Numbering

Courses numbered below 300 are lower division courses; those numbered 300 and above are classified as upper division. In general, courses numbered in the 100's are primarily for freshmen; 200's for sophomores; 300's for juniors; and 400's for seniors. The first number indicates the level of the course; the second is the division within the department; and the third identifies the course.

Symbol

#. Course may be taken with the consent of the instructor irrespective of prerequisites.



Course Descriptions

Descriptions of the courses offered in 1976-77 are given on the following pages. See preceding pages for information on numbering and

credit value. The symbol # indicates that the course may be taken with the consent of the instructor irrespective of prerequisites.



American Studies

Director: *Grier Nicholl*

MAJOR: 13 courses including 295 or 495 and 399 or 499, plus 11 courses in U.S. History, Literature and the Fine Arts in the U.S., and Social Sciences in the U.S. (5 courses in one of these areas and 3 in each of the others):*

History of the United States

American Studies 231

History 221, 222, 331, 332, 353, 495 (American emphasis)

Religion 352, 363

Literature and Fine Arts in the United States

American Studies 232

Art 102

English 241 (also Speech 241), 250, 351, 490 and 491 (American emphasis)

Philosophy 344

Social Sciences in the United States

American Studies 260

Economics 120, 122, 123, 251

Education 478 #

Political Science 121, 122, 325, 326, 370, 371, 421

Psychology 481 # Sociology 111, 373, 381, 383

Social Work 351, 463

* American area oriented courses taken during the Interim, Summer School and at other colleges should be approved by the director for inclusion in the major.

TEACHING MAJOR: 16 courses. Same as above, plus 3 courses in foreign civilization to be approved by director.

MINOR: 7 courses including 295 or 495 plus 2 courses in each of the above groupings under MAJOR.

231 RELIGION IN AFRO-AMERICAN HISTORY

An examination of selected topics related to the black experience, e.g. African backgrounds, religion under slavery, evangelicalism. Course content subject to change from year to year. Meets one religion requirement. (Fall)

232 AFRO-AMERICAN HUMANITIES

Focuses on a significant period of the black experience in urban America, e.g. Harlem Renaissance, post-World War II, with emphasis upon the contributions of literature, art and music of the period. Course content subject to change from year to year. Meets urban requirement. (Fall)

260 CONTEMPORARY AMERICAN INDIANS

A study of the characteristics of mid-western and eastern Indian tribes of the 19th century, with emphasis upon the persistence of Indian cultural values in the modern world.

265 WOMEN IN AMERICAN CULTURE

Focuses on the changing roles and perceptions of women in America seen from the perspective of various disciplines. (*Fall, alternate years. Offered 1975-76*)

295 TOPICS IN AMERICAN STUDIES

Focuses on a significant problem or phenomenon in American urban life. Includes a study of the approaches of several disciplines to the topic and practice in the integration of primary source materials. Occasional use of Twin Cities resource persons

and the co-learning model when appropriate to topic. Open to freshmen and sophomores. Meets urban requirement. (*Fall, alternate years. Offered 1976-77*)

399 INTERNSHIP

A field project of an interdisciplinary nature in area of student's choice. Consult director to determine conditions of contract. Intended for majors only. Others #. (*Fall, Interim, Spring*)

495 TOPICS IN AMERICAN STUDIES

For description, see 295. Open to juniors and seniors who will do a different level of work. (*Fall, alternate years. Offered 1976-77*)

499 INDEPENDENT STUDY

A research project of an interdisciplinary nature in area of student's choice. Consult with director to determine conditions of contract. Intended for majors only. Others #. (*Fall, Interim, Spring*)



Department of Art

Chairman: *Phillip Thompson*

MAJOR: 9 courses, including 107; two from 386, 387, 388; and three from 118, 221, 223, 225, 350.

TEACHING MAJOR: Same as major but 350 required and 132 recommended.

MINOR: 5 courses, including 107; one from 386, 387, 388; and two from 118, 221, 223, 225, 350.

102 ENVIRONMENTAL AESTHETICS

Fine arts in the urban and world setting. Participation in the cultural life of the community leading towards appreciation and criticism. (*3 one hour lectures. Spring*)

107 DRAWING

Drawing in pencil, charcoal, ink, and other media. Descriptive, experimental, and figure studies. (*Fall, Spring*)

118 PAINTING I

Introduction to painting media and technique. (*Fall, Spring*)

132 PHOTOGRAPHY

The camera used as a tool for visual creativity and expression with attention given to black and white, color and photographic processes.

150 JEWELRY

Experience in making jewelry with an emphasis on design, materials and process.

221 SCULPTURE I

Three major works in any of the following media: steel (welding), plaster, lead, wood, fiberglass, stone, plexiglass, and others. (Prereq.: 107. Fall, Spring)

223 PRINTMAKING I

Principles and methods of printmaking in a variety of media. (Fall, Spring)

225 VISUAL COMMUNICATIONS I

The theory and practice of visual perception and communication using elements such as color, line, shape, texture, and pictorial images. (Fall, Spring)

230 VISUAL COMMUNICATIONS II

A study of visual communications in magazines, television, film, advertising symbols, and other mass media. Practice in areas of photography, typography, and illustration. (Prereq.: 225. Fall, Spring)

242 FILM-MAKING

Film-making through practical laboratory experience. Discussion and observation of the expressive and structural elements of film. (Summer, Interim)

350 CERAMICS I

An introduction to the making of pottery with an emphasis on handbuilding and glazing. (Fall, Spring)

351 CERAMICS II

A continuation of handbuilding and glazing with an introduction to throwing techniques. (Prereq.: 350. Fall, Spring)

355 PAINTING II

Advanced study of painting. (Prereq.: 118. Fall, Spring)

360 DRAWING AND WATERCOLOR PAINTING

Seven weeks of descriptive and experimental drawing followed by seven weeks of watercolor painting with emphasis on the landscape. The functions of perception, structure, and gesture in drawing and transparent watercolor. (Prereq.: 107)

368 PRINTMAKING II

Advanced work in various media, including silk screen, etching, and engraving. (Prereq.: 223. Fall, Spring)

386 ANCIENT AND MEDIEVAL ART

Survey of the early development of the visual arts throughout the world with emphasis on the Mediterranean region and Europe.

387 RENAISSANCE THROUGH 19TH CENTURY ART

A study of architecture, painting and sculpture from the 15th century through the 19th century in Europe and America.

388 ART IN THE 20TH CENTURY

Contemporary developments in the visual arts with emphasis on America and Europe.

478 SCULPTURE II

Three major works in any of the following media: steel (welding), plaster, lead, wood, fiberglass, stone, plexiglass, and others. (Prereq.: 221. Fall, Spring)

499 INDEPENDENT STUDY

Advanced study in area of the student's choice. Intended for senior art majors. (Fall, Spring)



Department of Biology

Chairman: Neal Thorpe

MAJOR: Option I: 7 courses, including 111, 112, 491 and at least one course from each of the following three groups: 351, 353, 361 (Group I); 355, 473, 474 (Group II); 367, 471, 476 (Group III). Chemistry 115, 116 (or 105, 106), 351, 352; Mathematics 124, 125 (or 121, 122); Physics 121, 122 also required. Students intending to enter graduate school should ordinarily choose this major.

MAJOR: Option II: 9 courses, including 111, 112, 491 and at least one course from each of the following four groups: 351, 353 (Group I); 355, 474 (Group II); 361, 481 (Group III); 367, 473 (Group IV); 471, 476 (Group V). Chemistry 115, 116 (or 105, 106), 223 (or 351, 352) also required. Students who plan to teach in secondary schools often select this major.

MINOR: 5 courses, including 111, 112 and three upper division courses. Chemistry 115, 116 (or 105, 106) also required.

PRE-MEDICAL BIOLOGY MAJOR: The same as Option I major. In addition, medical schools usually require Chemistry 353 (Quantitative Analytical Chemistry).

HONORS MAJOR: GPA of 3.5 in biology and 3.0 overall; active participation in seminar; one course of approved independent study with an oral defense of the research report. Application for the honors major should be made no later than the first term of the senior year.

101 HUMAN BIOLOGY

Basic biological concepts from an anthropocentric point of view. An attempt to answer such questions as: What makes man just another member of the biotic fold? Does man have a niche in the ecosystem? What influence does man have on the environment? What influence does the environment, especially the urban environment, have on man? (3 hours lecture, 1 1/2 hours laboratory. A student may not receive credit for both Biology 101 and 103.)

103 HUMAN ANATOMY AND PHYSIOLOGY

A professional course in the structure and function of the human body. (Lecture and laboratory. Fall for nurses only; Spring for other students. A student may not receive credit for both Biology 101 and 103.)

108 MICROBIOLOGY

Basic microbial features are considered as well as applications of microbiology to the fields of medicine and sanitation. (3 hours lecture, 3 hours laboratory. For student nurses only. Prereq.: Chemistry 103. Spring)

111, 112 GENERAL BIOLOGY

A comprehensive introduction to biological science. For biology and other science majors. The course includes an introduction to molecular biology, cellular biology, genetics, developmental biology, evolutionary mecha-

nisms, anatomy, physiology, ecology, and phylogenetic relationships of organisms. Must be taken in sequence except by permission of instructor. (3 hours lecture; 4 hours laboratory. 111, Fall; 112, Spring)

351 INVERTEBRATE ZOOLOGY

A study of the invertebrate groups stressing classification, morphology, behavior, life history, and evolutionary relationships. (3 hours lecture, 4 hours laboratory. Prereq.: 112. Fall)

353 COMPARATIVE VERTEBRATE ZOOLOGY

A comparative study dealing with the classification, morphology, distribution, evolution, behavior and population dynamics of the vertebrates. (3 hours lecture, 4 hours laboratory. Prereq.: 112. Spring)

355 GENETICS

The principles of heredity with emphasis on recent advances in human genetics. Laboratory work stressing *Drosophila* and certain micro-organisms. (3 hours lecture, 4 hours laboratory. Prereq.: 112. Spring)

361 PLANT BIOLOGY

A survey of the major divisions of the plant kingdom including the study of anatomy, physiology, life histories, and taxonomy. (3 hours lecture, 4 hours laboratory. Prereq.: 112. Fall)

367 BIOCHEMISTRY

An introductory consideration of the chemistry of proteins, carbohydrates, lipids and nucleic acids including intermediary metabolism. (3 hours lecture. Prereq.: 112; Chemistry 223 or 352 or #. Fall)

471 CELLULAR BIOLOGY

A study correlating cell function with ultra-structure. Laboratory work includes micro-technique, cytological studies, cell physiology and tissue culture. (3 hours class, 4 hours

laboratory. Prereq.: 112, 367 or #; Physics 103 or 122 or #. Spring)

473 ANIMAL PHYSIOLOGY

A study of the physical and chemical processes occurring in animals with emphasis on the vertebrates. (3 hours class, 4 hours laboratory. Prereq.: 112; Chemistry 223 or 352 or #; Physics 103 or 122 or #. Fall)

474 DEVELOPMENTAL BIOLOGY

A consideration of the physiological and morphological changes which occur during the development of organisms with emphasis on the vertebrate animals. Experimental as well as descriptive studies are included in the laboratory work. (3 hours class, 4 hours laboratory. Prereq.: 112. Spring)

476 MICROBIOLOGY

An introduction to the study of micro-organisms with emphasis on bacteria and viruses. Microbial taxonomy, morphology, physiology, genetics, and pathogenicity are considered as well as certain methods. (3 hours class, 4 hours laboratory. Prereq.: 112, 367 or #. Fall)

481 ECOLOGY

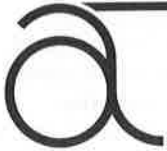
A survey of representative biological communities; the study of reciprocal relationships between organisms and their environments. (3 hours class, 4 hours laboratory, some Saturday field trips. Prereq.: 112, 361, or #. Spring)

491 SEMINAR

Oral presentations and written papers relating to recent biological literature and research. (For seniors majoring in biology)

499 INDEPENDENT STUDY

Individual laboratory, field, or library research under the direction of an instructor. Intended for biology majors who are juniors or seniors. (Prereq.: 112, and previous arrangement with instructor. Fall, Interim, Spring, Summer)



Chairman: *Edward M. Sabella*

Business Administration

MAJOR WITH ACCOUNTING SPECIALIZATION: Business Administration 101, 102, 131, 261, 262, 263, 379, 381, and either 483 or 484. Economics 122, 123, 251 and one additional course selected from 258 or 391 or 392 are also required. At least three upper division courses are required. For those planning on careers in accounting, completion of the two remaining courses in the sequence 381, 382, 483, 484 is recommended. In addition, courses in data processing and computer programming are strongly recommended.

MAJOR WITH FINANCE SPECIALIZATION: Business Administration 101, 102, 131, 261, 262, 373, 379, 478, and one other course from the sequence 381, 382, 483. Economics 122, 123, 251 and one additional course selected from 258 or 391 or 392 are also required. At least five upper division courses are required. (392 is strongly recommended.) In addition, courses in data processing and computer programming are strongly recommended.

MINOR: 6 courses, including Business Administration 101, 102, and one of 261, 373, 379, 478; and one of 262, 379, 381; and Economics 122 and 123.

HONORS MAJOR: GPA of 3.50 in the major, with average of 3.0 over-all; a senior thesis and comprehensive oral examination in the major field of concentration.

C.P.A. CERTIFICATION: Graduates who wish to take the Certified Public Accountants (C.P.A.) examination prior to fulfilling the experience requirement must have completed the major in Business Administration-Accounting, taken all accounting and business-law courses offered, fulfilled the Natural Sciences or Mathematics general college re-

quirement by taking mathematics, and completed at least 5 courses but not more than 12 courses of related business subjects (Economics, Finance, and Mathematics). Students who have completed the above requirements are qualified under the rules of the Minnesota State Board of Accountancy to sit for the examination immediately after graduation.

101 PRINCIPLES OF FINANCIAL ACCOUNTING

Introduction to business activities, basic concepts and fundamentals of accounting, the accounting cycle and preparation of financial statements. (*Fall, Spring*)

102 PRINCIPLES OF MANAGERIAL ACCOUNTING

Introduction to business activities, basic concepts and fundamentals of managerial accounting. Planning and controlling processes, decision making and behavioral considerations. (*Prereq.: 101. Fall, Spring*)

131 BUSINESS LAW

Legal rules relating to contracts, agency, negotiable instruments, property and business organizations under the Uniform Commercial Code. (*Spring*)

261 FUNDAMENTALS OF FINANCE

Theory of acquisition, allocation, and management of funds within the firm: sources and uses of long and short term funds, cost of capital, capital budgeting, leverage, dividend policy, and related topics. (*Prereq.: 101, 102. Fall*)

262 INTERMEDIATE ACCOUNTING I

An analysis of accounting theory pertaining to financial statements, income concepts, capital

stock and surplus accounts, current and long-term assets. (*Prereq.: 101, 102. Fall*)

263 INTERMEDIATE ACCOUNTING II

An analysis of accounting theory pertaining to investments, tangible and intangible fixed assets, liabilities and reserves, actuarial topics. Additional emphasis on income determination considering price level changes. (*Prereq.: 262. Spring*)

373 FINANCIAL MANAGEMENT: THEORY AND CASES

Advanced financial theory: a systems approach to financial structure and policy. Emphasis on decision-making, presentation through literature, readings, lectures, and case material. (*Prereq.: 261, Spring*)

379 QUANTITATIVE METHODS FOR ECONOMICS AND BUSINESS

An introduction to quantitative reasoning, descriptive measures, probability, sampling distributions, inference and estimation with emphasis on their use in applied problems in business and economics. (*Prereq.: High School Algebra. Fall*)

381 MANAGERIAL COST ACCOUNTING

Accounting tools for planning and control of economic activities. Planning, budgeting, standard cost systems, as well as other quantitative and behavioral topics. (*Prereq.: 101, 102. Spring*)

382 TAX ACCOUNTING

The more common and important provisions of federal income taxes for individuals and various forms of business enterprises. (*Prereq.: 101, 102. Spring. Offered alternate years*)

399 INTERNSHIP PROGRAM

A student may receive course credits through

an internship program which is applicable to graduation, but not to the major. This program will afford the student the opportunity to spend one full term working with some industrial organization. In addition the student will write a report on his or her activities. (*Prereq.: #. Fall, Interim, Spring, Summer*)

478 INVESTMENTS AND FINANCIAL INSTITUTIONS

Appraisal of the risk/return relationships of various types of securities from the viewpoint of both individual and institutional investors. Extensive coverage of capital markets and portfolio management. (*Prereq.: 261. Economics 392 is strongly recommended. Fall*)

483 AUDITING

Internal and external auditing procedures. Emphasis on internal checks and controls for accounting systems. (*Prereq.: 263. Fall*)

484 ADVANCED ACCOUNTING

Accounting for business combinations, governmental accounting, partnership accounting and fund accounting.

295, 495 TOPICS

Lectures, discussions, meetings with members of the staff or visiting faculty regarding research methodology and readings in the areas of Accounting, Finance or General Business. (*Prereq.: #. Fall, Spring: On Demand*)

499 INDEPENDENT STUDY

The student may earn independent study credits through individually supervised projects designed to afford him or her the opportunity to analyze some topic or issue in depth. (*Prereq.: #. Fall, Spring*)



Business Education

MAJOR: 12-14 Courses.

CORE PROGRAM: Business Administration 101, 102, 131; Business Education 110, 364, 460, 465; Economics 122, 123; high school typewriting or equivalent required. In addition, courses in data processing and computer programming are recommended.

ACCOUNTING SPECIALIZATION: Core plus Business Administration 262, 263, and Business Education 108.

ECONOMICS SPECIALIZATION: Core plus Economics 251, 258, 391 or 392.

SECRETARIAL SPECIALIZATION: Core plus Business Education 221, 350, and 353.

OFFICE SPECIALIZATION: Core plus Business Education 108, 350, and English 219.

MINOR: Five courses in Business Education.

COMPREHENSIVE MAJOR: Core plus 5 other courses including Business Education 108, 121, 350 and 353.

TWO-YEAR SECRETARIAL PROGRAM

If a student desires a two-year secretarial program, a certificate will be awarded upon completion of the following: Business Education 108, 110, 221, 350, 353, 364, 460 and Business Administration 101, 102, 131 and Economics 120. A student in the two-year program must select six courses from the general education requirements.

HONORS MAJOR: GPA of 3.50 in the major, with average of 3.0 over-all; a senior thesis and comprehensive oral examination in the major field of concentration.

101 ELEMENTARY TYPEWRITER (No Credit)

The fundamental skills of typewriter. Emphasis on personal use. Not available to students who have had one year of high school typewriting. (*Interim*)

108 CALCULATING MACHINES

Operation of ten-key adding machine; rotary, printing and electronic calculators. (*Fall*)

110 OFFICE TECHNOLOGY

Operation of transcription machines, filing and records management, introduction to data processing, and efficient handling of office duties. (*Interim*)

221 ELEMENTARY SHORTHAND

Fundamentals of Gregg Shorthand (Diamond Jubilee) with emphasis on theory, reading, and writing shorthand. Introduction to transcription. Development of speed in transcribing material dictated at minimum speed of 80 words a minute. (*Not open to students who have had one year of shorthand in high school. Fall*)

350 ADVANCED TYPEWRITING

Development of typewriting technique in business letter arrangement, billing, tabulating, manuscripts, legal documents, and duplicating. (*Prereq.: High school typewriting or equivalent. Spring*)

353 ADVANCED SHORTHAND

Students of Gregg, Forkner, or other shorthand systems may enroll for rapid dictation and transcription of material dictated at speeds of 80-120 words a minute. (*Prereq.: 221 or equivalent. Spring*)

364 BUSINESS COMMUNICATIONS

Communication in the office through use of telephone, telegram, and writing of business letters, memorandums, manuals and reports. (*Fall. Offered alternate years, 1975-76*)

399 INTERNSHIP PROGRAM

A student may receive course credits through an internship program which is applicable to graduation but not to the major. This program will afford the student the opportunity to spend some time working with some organization. In addition, the student will write a report on his or her activities. (*Prereq.: #. Fall, Interim, Spring, Summer*)

460 OFFICE MANAGEMENT

Problems relating to supervision and management in the business office, selection and training of employees; and human relations within the office. (*Spring*)

465 BUSINESS SEMINAR—MARKETING

Principles of marketing with emphasis on distribution and the role of the consumer in the marketing process. Materials and methods in teaching of basic business subjects and projects in marketing. (*Fall. Offered alternate years, 1976-77*)

Economics**MAJOR IN ECONOMICS:**

Economics 122, 123, 251, 258, 454 and three other courses of economics offerings. Business Administration 101, 102, 379, also required. The complete calculus sequence is very strongly recommended for those planning graduate study in economics. Mathematics 373 may be substituted for Business Administration 379. In addition, courses in data processing and computer programming are strongly recommended.

COMBINED MAJOR IN ECONOMICS-BUSINESS ADMINISTRATION:

Economics 122, 123, 251, and 258 and one other course from economics offerings. Business Administration 101, 102, 261, 373, 379 and one other course from business administration offerings also required. In addition, courses in data processing and computer programming are highly recommended.

MINOR:

Economics 122, 123, 251, 258 and one other course from economics offerings.

HONORS MAJOR:

GPA of 3.50 in the major, with average of 3.0 over-all; a senior thesis and comprehensive oral examination in the major field of concentration.

Economics 120, 122 and 123 will satisfy general education requirements.

Economics 120 will satisfy the urban concerns requirement.

120 ECONOMICS OF URBAN ISSUES

Study of economic implications of many problems facing a metro-urban environment. Some of the topics to be discussed are: Population "Crisis"; Draft versus an All-Volunteer Army; Ecology and Income Distribution; Distributing Free Bread; Mass Transit Systems, etc. Funda-

mental microeconomic tools introduced to facilitate discussion of the above-mentioned topics. NOTE: Economics 120 is a basic course designed for those students who do *not* plan to major in either Economics, Business Administration or Business Education. Students who plan to major in the above three areas should enroll in 122 and 123 rather than 120. 122 and 123 are also open to non-majors. (Fall, Spring)

122 PRINCIPLES OF ECONOMICS (MACRO)

An introduction to macro-economics; national income analysis, monetary and fiscal policy, international trade, economic growth. Application of elementary economic theory to current economic problems. May be taken independently of Economics 123 or 120. Economics 122 and 123 may be taken in either order, or may be taken in the same term in order for the student to progress more rapidly to other courses. (Fall, Spring)

123 PRINCIPLES OF ECONOMICS (MICRO)

An introduction to micro-economics, the theory of the household, firm, market structures and income distribution. Application of elementary economic theory to market policy. May be taken independently of Economics 122 or 120. Economics 122 and 123 may be taken in either order, or may be taken in the same term in order for the student to progress more rapidly to other courses. (Fall, Spring)

251 INTERMEDIATE MICRO-ECONOMICS

Theory of resource allocation, analysis of consumer behavior, firm and industry; the pricing of factors of production and income distribution; introduction to welfare economics. (Prereq.: 123. Fall, Spring)

258 INTERMEDIATE MACRO-ECONOMICS

Determinants of national income, employment and price level analyzed via macro-models. At-

tention paid to areas of monetary-fiscal policy, growth and the business cycle. (Prereq.: 122. Fall)

379 QUANTITATIVE METHODS FOR ECONOMICS AND BUSINESS

See under Department of Business Administration.

391 PUBLIC FINANCE

Analysis of the principles of taxation and public expenditures; the impact of fiscal policy on economic activity; debt policy and its economic implications. (Prereq.: 123. Fall)

392 MONEY AND BANKING

Functioning of the monetary and banking systems, particularly commercial banks, the Federal Reserve System and its role in relation to aggregate economic activity. Emphasis placed on monetary theory and policy. (Prereq.: 122. Spring)

399 INTERNSHIP PROGRAM

A student may receive course credits through an internship program which is applicable to graduation but not to the major. This program will afford the student the opportunity to spend some time working with some organization. In addition, the student will write a report on his or her activities. (Prereq.: #. Fall, Interim, Spring, Summer)

453 ECONOMICS OF LABOR AND POVERTY

Analysis of labor markets; determination of wages, collective bargaining. Particular attention paid to the economic problems of minority groups and poverty areas. (Prereq.: 251 or #. Spring)

454 WELFARE ECONOMICS

Basic concepts and propositions; Pareto optimality, economic efficiency of alternative market structures; social welfare functions; normative concepts of economic theory. (Prereq.: 251 or #. Spring, alternate years)

295, 495 TOPICS

Lectures, discussions, meetings with members of the staff or visiting faculty regarding

research methodology and current national and international economic problems and policies. (Prereq.: #. Fall, Interim, Spring, On Demand)

499 INDEPENDENT STUDY

The student may earn independent study credits through individually supervised projects designed to afford him or her the opportunity to analyze some topic or issue in depth. (Prereq.: #. Fall, Interim, Spring)



Department of Chemistry

Chairman: Earl Alton

GRADUATION MAJOR IN CHEMISTRY: 115, 116 (or 105, 106), 351, 352, 353, 361 and one advanced course which may include Biochemistry. Physics 121, 122, and Mathematics 124, 125 also required. Participation in seminar. Since upper division courses have mathematics and physics prerequisites, students should plan to have Mathematics 124, 125 the freshman year, and Physics 121, 122 the sophomore year.

AMERICAN CHEMICAL SOCIETY APPROVED MAJOR: 11 courses including 115, 116 (or 105, 106), and all chemistry courses above 350. Chemistry seminar participation; Mathematics 124, 125 (which should be taken during the freshman year); Mathematics 224; and Physics 121, 122 (which should be taken during the sophomore year). Reading ability in German equivalent to 2 semesters also required.

MINOR: 5 courses which must include 115, 116 (or 105, 106) and 3 additional courses in chemistry. Chemistry 223, 353, and 361 are recommended; biochemistry may be substituted for 361.

TEACHING MAJOR: The same as the graduation major except that it is suggested that Advanced Inorganic be taken as the advanced course. Certification after July, 1979, also requires three courses in earth and life sciences. Students are also advised to consult with the Education Department early in their planning.

PRE-MEDICAL CHEMISTRY MAJOR: The same as the graduation major. In addition, medical schools expect at least two courses (and usually more) in biology. Students should consult members of the chemistry department for assistance in planning a course program early in their college career.

DEPARTMENTAL HONORS: Full ACS major; average of 3.50 in chemistry, mathematics, and physics; 3.00 over-all; one summer or course of approved research; participation in seminar.

Credit will not be granted for both 105 and 115; 106 and 116; 223 and 351, 352.

103 ELEMENTARY CHEMISTRY

Designed for nurses at Lutheran Deaconess Hospital and Abbott-Northwestern Hospital.

Selected elements of general, organic, and biological chemistry around the theme: the molecular basis of life. (3 one-hour lectures, 1 two-hour laboratory. Prereq.: high school chemistry. Fall) Does not apply toward the major.

105, 106 PRINCIPLES OF CHEMISTRY

Somewhat less rigorous than 115, 116; designed especially for students who will not major in chemistry, although students may go from 106 into 351, 353, or 223. Concepts and laws underlying chemistry illustrated by a variety of examples including organic and environmental systems. (3 one-hour lectures, 3 hours of laboratory. 105, Fall; 106, Spring)

115, 116 GENERAL AND QUALITATIVE ANALYSIS

An intensive course for pre-medical students and future chemists. First semester devoted to fundamental principles; and second to inorganic chemistry, qualitative analysis, and a brief introduction to organic chemistry. (3 one-hour lectures, 3 hours of laboratory. Prereq.: high school chemistry, algebra, plane geometry. 115, Fall; 116, Spring)

223 ELEMENTARY ORGANIC CHEMISTRY

Designed for medical technology students and others in a paramedical science area whose professional goals require less than the more intensive two-semester organic course. Aliphatic and aromatic compounds with frequent reference to biochemistry. (3 one-hour lectures, 1 three-hour laboratory. Prereq.: 105 or 115. Spring)

325 ANALYTICAL CHEMISTRY

This course is intended to meet the needs of medical technology majors and others not working toward a chemistry major. Theory and

practice of gravimetric analysis, volumetric analysis and electrochemistry is covered in some detail. Equilibrium theory is stressed. Theory and practice of spectroscopic, chromatographic, and electroanalytical methods is surveyed. Applications in the health sciences are included. (Prereq.: 106 or 116. Three lectures, one 4 1/2 hour laboratory. Does not meet requirements for a chemistry major.)

351, 352 ORGANIC CHEMISTRY

Important classes of organic compounds with special emphasis on mechanisms and multi-step synthesis. Descriptive material is correlated by means of modern theories of chemical bonds, energy-relations, and reaction mechanism; many applications of organic chemistry to biological, environmental and industrial fields. (3 one-hour lectures, one 4-hour laboratory. Prereq.: 106 or 116. 351, Fall; 352, Spring)

353 QUANTITATIVE ANALYTICAL CHEMISTRY

Covers gravimetric and volumetric analysis and solution equilibrium in detail and gives an introduction to spectrophotometric techniques of analysis. The laboratory involves quantitative analysis of a variety of samples, and includes trace analysis. (Prereq.: 106 or 116. Offered Interim for majors as per Interim schedule.)

361, 362 PHYSICAL CHEMISTRY

The basic theoretical concepts of chemistry: thermodynamics, kinetics, quantum theory, and states of matter are studied in the first semester. Applications of these concepts to areas of molecular structure, equilibria and electrochemistry in the second semester. (3 one-hour lectures, one 4.5-hour laboratory. Prereq.: 353; Physics 121, 122; Mathematics 124, 125. 361, Fall; 362, Spring)

464 ADVANCED ORGANIC CHEMISTRY

Organized around the problems of identifying organic compounds in the laboratory. Lecture topics include structure-spectra correlations for IR, UV, NMR, and mass spectroscopy; use of the literature (including *Beilstein*); and further study of organic reactions. Infrared, nuclear magnetic resonance, and ultraviolet spectra routinely used. (3 hours lecture, 6 hours laboratory. Prereq.: 352, 353, 361 or #; some reading knowledge of German. Spring)

481 ADVANCED ANALYTICAL CHEMISTRY

Principles of atomic and molecular spectroscopy as applied to analytical methods as well as chromatographic and electro-analytical techniques of analysis. (3 hours lecture, one 4.5-hour laboratory. Prereq.: 353, 362, or #. Fall)

482 ADVANCED INORGANIC CHEMISTRY

Correlation of inorganic reactions using the electrostatic, valence bond, and molecular orbital models. Coordination chemistry is discussed in terms of ligand field theory. The laboratory involves preparations of inorganic compounds using a variety of techniques. (3 one-hour lectures, 1 three-hour laboratory. Prereq.: 362 or #. Spring)

483 QUANTUM CHEMISTRY

Presents quantum theory in terms of *Schrodinger's* wave equation and uses the equation to solve the problems of the harmonic oscillator and the hydrogen atom. Approximate solutions are introduced and used to develop molecular orbital theory for molecules. Includes commutators, electron spin, angular momentum and group theory. (3 one-hour lectures. Prereq.: 361 or #. Fall)

491 CHEMISTRY SEMINAR

This seminar, which has no course credit, is a weekly meeting of chemistry majors under the direction of the Augsburg Chemistry Society. Juniors and seniors are expected to participate, with seniors presenting papers. Outside visitors are occasionally invited to participate.

497 INTRODUCTION TO CHEMISTRY RESEARCH

Chemistry majors planning research careers need research experience before graduation. Such experience may be obtained by working on a summer research project in the department (not counted as a course) or by research participation during the academic year. (Junior standing)

**East Asian Studies**

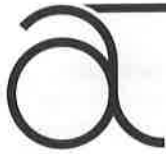
Adviser: *Khin Khin Jensen*

The East Asian Studies major, offered by the five colleges in the Cooperative Program, is offered with two options:

1. East Asian Culture which consists of 12 courses: 2 or 4 courses of Chinese and/or Japanese; 2 survey courses in East Asian history; 2 courses in a seminar or independent

study; and additional courses pertaining to East Asia.

2. East Asian Culture and Languages which consists of 12 courses as listed above but must include 4 courses in language. Confer with the adviser to obtain information on specific courses that may apply toward this major.



Department of Education

Chairman: *Lauretta E. Pelton*

Augsburg College offers programs leading to certification in Education at two levels: Elementary Education and Kindergarten; and Secondary Education. Application for certification in Early Childhood Education is in progress. Certification programs are offered in the following majors: American Studies, Art, Biology, Business Education, Chemistry, English-Language Arts, French, German, History, Mathematics, Music, Physical Education, Physics, Social Studies, Spanish, Speech, and Theater Arts.

Students wishing to become certified teachers are advised to consult with the Education Department for certification requirements.

The courses, Orientation to Education, both elementary and secondary, are open to all students of sophomore standing or above. To enroll in other education courses, a student must first apply and be admitted to the teacher education program. The student is advised to apply for admission in the spring semester of the sophomore year, during or after the Orientation course.

Elementary Education

Marie McNeff, Coordinator

Requirements for the major and for certification in Elementary Education:

1. A minimum of 8 education courses to include 255, one interim, and two professional semesters: 361, 362, 371, 372; and 481, 482 and electives
2. Physical Education 111, Safety and Drug Education
3. Library Science 358, The Elementary School Library: Materials Selection and Guidance
4. An academic minor. An academic major is recommended
5. GPA of 2.0 overall and maintain a 2.5 in the major.

255 ORIENTATION TO EDUCATION IN URBAN SETTING (Elementary)

Investigation of various aspects of the teaching profession and opportunity for in-school work. Open to all students. (*Prereq: sophomore standing or above. Fall, Spring*)

325 CONTEMPORARY INFLUENCES IN EARLY CHILDHOOD EDUCATION

Focus is upon the young child as a person and the importance of the early years of his/her life in relation to the effects of present-day society and culture upon the child. Current developments include innovations, Head Start, implementation of planned variations, and other interventions and compensatory programs.

Class sessions and two hours per week of lab experience in a day care center and/or nursery school. (*Prereq.: 255 and/or #.*)

351 TECHNIQUES OF TEACHING READING IN THE ELEMENTARY SCHOOL CLASSROOM

The study and utilization of a variety of techniques and resources in the teaching of reading in the elementary classroom. (*Fall*)

First Professional Semester (for juniors or seniors): Courses 361, 362, 371, 372.

361, 362 TEACHER COMPETENCIES

Identification and mastery of competencies necessary for teaching in the elementary

school. Laboratory experiences in classrooms. (*Prereq.: 255. Admission to elementary education. Spring*)

371, 372 ELEMENTARY CURRICULUM

Examination and preparation of materials and resources for each of the subject areas taught at the elementary level. Application of teacher competencies to various subject areas of the elementary curriculum. Laboratory experiences in classrooms. (*Prereq.: 255, concurrent registration in 361, 362. Spring*)

425 NURSERY SCHOOL CURRICULUM: METHODS AND MATERIALS

Learning about and demonstrating knowledge and skills of teaching the young child. The course concentrates on details essential to the organization of a good program for children: records, reports, physical facilities, equipment, parental involvement, and working with children who have uniquely different needs.

Class sessions, and two hours per week of lab experience in a day care center and/or nursery school. (*Prereq.: Acceptance into the Department of Education and/or #.*)

Second Professional Semester: Student Teaching and Electives

481, 482 STUDENT TEACHING I

Experience in observing and directing learning experiences in elementary schools under supervision of college and elementary school personnel. (*Prereq.: 255, 361, 362, 371, 372. Fall, Spring*)

Electives

483 STUDENT TEACHING II

Refinement of teaching skills at elementary level. Additional teaching experience in the classroom. (*Prereq: 481, 482. Fall, Spring*)

484 STUDENT TEACHING II

Refinement of teaching skills at elementary level. Additional teaching experience in the classroom. (*Prereq: 481, 482 and 483. Offered on demand*)

478 SCHOOL AND SOCIETY (See Secondary Education)

499 INDEPENDENT STUDY

Independent study and research on a topic of interest in the field of education, worked out in consultation with a faculty member. (*Open to juniors and seniors. Fall, Spring*)

Secondary Education (teacher certification program)

Einar Johnson, Coordinator

It is the responsibility of each student to meet all specific requirements of the Education Department. Secondary Education students are advised to consult with Education faculty regarding state requirements for teacher certification. This consultation is recommended in addition to conferring with the student's major field adviser.

Requirements of the Augsburg College Certification Program:

1. Application for admittance and acceptance into the Department of Education. This may be made before, concurrently with or after the Orientation course. Application forms are available in the Education Department office. Before applying for admission students should receive approval from the department or division of their declared major. A student may take education courses after the Orientation course *only if he or she has been admitted into the program of the Department of Education.*
2. Grade point average — minimum of 2.5 in the student's academic major and 2.0 overall.

3. Application for admittance and acceptance into student teaching.
4. Successful completion of the required courses of the education program:
 - a) Educ. 265, Orientation to Education (Secondary)
 - b) Educ. 359, Competencies: Secondary Education
 - c) Educ. 478, School and Society
 - d) Educ. 480, 481, 482 (two courses minimum), Student Teaching
 - e) Psych. 105, General Psychology
 - f) P.E. 111, Safety and Drug Education
 - g) Educ. 361, 365 or 373 for art, physical education, or music majors

Requirements for State of Minnesota Teaching Certification - Secondary Schools
(Through the Augsburg College Education Department Program)

1. B.A. or B.S. degree
2. College major in a teaching area
3. Fulfill State Department of Education EDU 521 Regulation in Human Relations (Successful completion of Augsburg Education program meets requirement)
4. Drug Education requirement (Augsburg course P.E. 111, Safety and Drug Education)
5. Successful completion of Augsburg Education Department Certification Program courses.

General Information:

1. For Art, Music and Physical Education certification:
Teachers in the areas of Art, Music and Physical Education receive a special certificate which allows them to teach in all grades (K-12) in their special area. A person working for certification in one of these special areas follows the secondary education program even though he or she plans to teach at the elementary school level. A person with a major in one of these special

areas is advised to take three courses in student teaching and do some student teaching on both the secondary and elementary levels. In addition to Educ. 359, the major in art will register for Educ. 361; the major in P.E. for Educ. 365; and the major in Music for Educ. 373.

2. The professional term:
Student Teaching is taken concurrently with School and Society in one full-time term in professional education. Special afternoon and/or evening seminars are held during the term as part of the professional work. A student taking two courses in student teaching may elect to take one course in Independent Study. All students are expected to be involved full time in the activities of the professional term.

265 ORIENTATION TO EDUCATION (Secondary)

Investigation of various aspects of the teaching profession and opportunity for in-school work. Human Relations Laboratory. Open to all students. (*Prereq: sophomore standing. Fall, Spring*)

359 COMPETENCIES: SECONDARY EDUCATION

Teaching procedures, materials and projects, both general and in the student's major concentration. The two phases must be taken concurrently as one course: general teaching methodology from the Education Department and special methods from the department of the major field. Human Relations Laboratory. (*Prereq: Psych. 105, Educ. 265 and admission into the secondary education program*).

Special methods are offered in the following major fields:

- American Studies (Spring)
- Art (Spring)
- Business (Spring)
- Health and Physical Education (Fall)
- English (Spring)
- Social Studies (Spring)
- Mathematics (Spring)

Music (Spring)
 Natural Science (Spring)
 Foreign Language (Fall, Spring)
 Speech and Drama (Spring)

361 ART METHODS (Elementary and junior high school)

Materials and methods for the teaching of art at the elementary and junior high school level. (Spring)

365 HEALTH AND PHYSICAL EDUCATION METHODS

Teaching procedures, materials, and issues. Secondary — 7 weeks, Elementary — 7 weeks. (Fall)

373 MUSIC METHODS (Elementary and junior high school)

Materials and methods for the teaching of music at the elementary and junior high school level. (Spring)

399 INTERNSHIP

Interested students should consult the Department Chairman or the Internship Director.

478 SCHOOL AND SOCIETY

The emphasis in this course is on the school in relation to society with particular attention to urban education. Introduced by a study of educational philosophy and the development of American education, current major issues in education will be studied. (Prereq: senior standing. Fall, Spring)

480, 481, 482 STUDENT TEACHING

Students will be placed in a classroom for full days. Opportunities are provided for experience in observing and directing learning

experiences on the secondary school level under the supervision of college and high school personnel. Seminars are held on a regular basis during the student teaching experience. (Prereq: senior standing and completion of teacher aide work and human relations elements of Education courses 265, 359. Fall, Spring)

499 INDEPENDENT STUDY

Independent study and research on a topic of interest in the field of education worked out in consultation with a faculty member. (Open to juniors and seniors. Fall, Spring)

Library Science

MINOR: Minimum of 4 courses, including 245, 358, 359, 475.

245 THE MEDIA CENTER: ORGANIZATION AND ADMINISTRATION

Organization of materials, including acquisition, processing and circulation. Services of the media center and methods of evaluation. (Fall)

358 THE ELEMENTARY SCHOOL LIBRARY: MATERIALS SELECTION AND GUIDANCE

Characteristics and purposes of an elementary school library. Extensive study of evaluation sources, book talks, storytelling, curriculum needs. Concentration on guidance in use of print and non-print materials. (Fall)

359 REFERENCE SERVICES IN THE LIBRARY

Study of basic information sources most frequently used by students and librarians. Includes preparation of bibliographies and library instruction. (Spring)

399 INTERNSHIP

Open to juniors and seniors. An opportunity to do field work in a variety of library situations in the metropolitan area.

**475 THE HIGH SCHOOL LIBRARY:
MATERIALS SELECTION AND GUIDANCE**

Survey and evaluation of library materials on the secondary school level, with attention to

their use in relation to curricula as well as for personal interests and needs of adolescents. (*Spring*)

499 INDEPENDENT STUDY

Independent study and research on some topic of interest in the field of school library service, worked out in consultation with a faculty adviser. Open to juniors and seniors, with department approval.

**Engineering**

Augsburg College is cooperating with the Washington University School of Engineering and Applied Science (St. Louis, Missouri) and Michigan Technological University (Houghton, Michigan), in a Three-Two Plan of studies which will enable a student to earn the Bachelor of Arts degree from Augsburg College and an engineering baccalaureate degree from Washington University or Michigan Technological University in a five-year period. The first three years are spent at Augsburg followed by two years at the affiliated university. Students accepted into the program are guaranteed admission to the engineering school, provided they are recommended by a designated representative of

Augsburg College. Students receiving financial aid who are participants in the Three-Two Plan will be encouraged to apply to the engineering school of their choice for continuing support. Their applications will be evaluated using need and academic performance as criteria. Minimum course requirements for admission to the Three-Two Plan are: Math 124, 125, 224, 226; Physics 121, 122; Chemistry 115, 116; Computer Science 245; English III; additional courses to meet general education requirements and a total of 27 courses at Augsburg. Students are encouraged to apply for admission to the program during their sophomore year. Early consultation with the adviser, Earl Alton, is encouraged.

**Department of English**

Chairman: *Barbara Andersen*

MAJOR: 9 courses, (above III), including 3 courses in British literature (1 course from literature before 1660), 1 course in American

literature, 1 course in world literature (a course outside the Anglo-American tradition), and course 219.

MAJOR FOR SECONDARY TEACHING:

10 courses, including those listed for the major and 320. A course in expository writing (219) is required. Courses 250 and 438 recommended. Speech 111 or 352 or 355, and 360 or 366; and Library Science 475 are required. Students wishing to become certified teachers should consult with the Department of Education for requirements.

HONORS MAJOR: GPA of 3.5 in the major and 3.0 over-all; submit program to department chairman early in senior year; defend honors thesis before faculty committee in senior year. Honors thesis may be an independent study program.

MINOR: 5 courses, including one course in British literature, and either 219 or 320. Teaching minors must include both 219 and 320.

The English Department recommends but does not require that English majors consider developing an area of emphasis broader than the major as listed above. The three most likely areas would be a British concentration, an American concentration, and a world concentration. A student arranges a concentration by careful selection of elective courses in the major, by the design of an independent study course that applies to the concentration, and by the selection of some related courses outside the English department.

BRITISH LITERATURE CONCENTRATION.

Select from: History 412, 416; English 271, 331, 332, 336, 337, 367, 368, 423, 438, and sometimes 282, 490, 491.

AMERICAN LITERATURE CONCENTRATION.

Select from: History 221, 222; American Studies 232; English 241, 250, 351, 367, 368, and sometimes 282, 490, 491. A student with an American literature concentration should take some of the courses listed under the American Studies major which are selected from the offerings of several departments at Augsburg.

WORLD LITERATURE CONCENTRATION.

Select from: History 102, 360, 361; Philosophy 242, 110, 343, 370; German 244; French 243; Spanish 249; Scandinavian Studies 351, 352; English 241, 261, 271, 272, 423, and sometimes 282, 490, 491.

A student electing a concentration should work closely with his or her adviser. Interim courses, special courses, and courses given at the other cooperating colleges will often fit well into a concentration. A student with a double major or special program that involves considerable work in the English department should also work closely with an adviser in the English department.

English 111 is strongly recommended but not a prerequisite for a lower division literature course. Prerequisite for an upper division course is successful completion of a lower division literature course.

111 EFFECTIVE WRITING

The study of composition with emphasis upon expository writing. Attention to correct usage, logical organization and the research paper. (*Fall, Spring*)

219 ADVANCED WRITING

A course designed to develop advanced skills in a variety of writing specializations. The focus of each course will shift from term to term, e.g., Advanced Writing: Expository; Advanced Writing: Creative; Advanced Writing: Journalism; Advanced Writing: Business and Technical. (*Fall, Spring*)

241 INTRODUCTION TO CINEMA ART

An investigation of the artistic value and the historical significance of the film medium. See also description under Speech, Communication, and Theatre Arts. (*Spring*)

250 AMERICAN LITERATURE TO 1920

Works of selected American writers from Colonial times through the emergence of naturalism; reading and analysis of significant works; attention is also given to the contribution of the writer to the historical development and literary movements of American literature. *(Fall, Spring)*

261 MODERN FICTION

Significant works of selected prose writers, chiefly European, of the twentieth century. *(Fall, Spring)*

271 GREEK AND ROMAN LITERATURE

Study of the works of selected classical Greek and Roman writers in the various genre, and the influence of the classical tradition on later Western literature.

272 EUROPEAN LITERATURE

Study of masterpieces of literature, chiefly European, from the medieval to the modern period. *(Fall or Spring)*

282 TOPICS IN LITERATURE

Individual courses designed to investigate specific themes, movements, authors, or works. The subjects selected for study in any year will be listed in the class schedule for that year. *(Fall or Spring)*

288 LITERARY CRITICISM

A course designed to introduce students to the various ways in which modern literary critics have approached the problem of analyzing and evaluating literature. Students will study the works of historical, psychological, textual, and archetypal critics, and then attempt to apply such approaches to selected works of literature. *(Alternate years, 1975-76)*

320 DEVELOPMENT OF THE ENGLISH LANGUAGE

A study of modern English viewed from a historical perspective, with reading in recent linguistic studies. Designed to give the student an introduction to structural linguistics and a view of the development of the English language.

331 CHAUCER AND HIS AGE

While the primary study of the course will be the writings of Geoffrey Chaucer, considerable attention will be given to the medieval literary milieu out of which Chaucer wrote. Medieval poetry, romance, and drama will be examined. *(Alternate years, 1976-77)*

332 MILTON AND HIS AGE

A study of Milton's major poems and selected prose. In addition the Renaissance literary tradition out of which Milton created his works will be examined. *(Alternate years, 1975-76)*

336 BRITISH LITERATURE, FROM DONNE TO BLAKE

Reading, analysis, and discussion of works of selected writers from the metaphysical poets through Blake, with attention to the historical, intellectual, and social influences and the major literary movements. *(Fall)*

337 BRITISH LITERATURE, THE ROMANTICS AND THE VICTORIANS

Study of the works of significant Romantic and Victorian poets, critics, essayists and novelists and of the major literary movements of the century. *(Spring)*

351 AMERICAN LITERATURE SINCE 1920

A study of some recent and contemporary writers and literary movements. Attention is given to the dynamics of American society and its intricate relationship to the literature.

50

Special emphasis is given to the city as setting and symbol in modern American literature. (*Fall, Spring*)

367 MODERN POETRY

Study of the work of selected twentieth century poets, chiefly British and American, with attention to recent criticism. (*Alternate years, 1975-76 Fall*)

368 MODERN DRAMA

Significant works of American, British, and continental dramatists of the twentieth century. (*Alternate years, 1976-77*)

399 INTERNSHIP

Interested students should consult the Department Chairman or the Internship Director.

423 STUDIES IN THE NOVEL

A survey of the development of the novel through study of selected British, American,

and continental novels. (*Alternate years, 1976-77*)

438 SHAKESPEARE

Study of ten or twelve major plays — comedies, histories, tragedies — with attention to the development of Shakespeare's dramatic and poetic art. Additional plays assigned for reading analysis. (*Spring*)

490, 491 ENGLISH SEMINAR

Course 490, a theme or movement; course 491, a major writer or a major work. Enrollment open to juniors and seniors. (*Fall, Spring*)

499 INDEPENDENT STUDY

Open to junior or senior English majors with a grade of B or consent of department chairman. Provides directed independent study in the area of the student's choice. (*Fall, Spring*)



Department of Foreign Language

Chairman: *Ruth Aaskov*

Students with previous foreign language study should register in courses suited for their particular level of preparation. Basically, placement in foreign language courses follows the formula: 1 year of high school foreign language equals 1 course of college foreign language. However, final placement is made according to the results of a placement test which may be taken at pre-registration time after consultation with the department. Students who register below their level may do so, but only for a grade of P/N.

Course 311 is prerequisite to all upper division courses.

Language majors must consult with department for mid-point evaluation after third post-intermediate course. Teaching majors must consult with the Department of Education for program. Methods courses by language are joint five-college offerings and should be taken in the fall of the senior year. A 3.0 average in Advance Conv. — Comp. is a departmental requirement for teaching majors.

Departmental Honors: Majors seeking departmental honors must apply no later than early

in the senior year. Requirements: 3.30 GPA in the major, 3.0 GPA overall, and honors thesis demonstrating ability in independent study for one course credit. Consult department chairperson for details.

Chinese

Offered in conjunction with the Five College Cooperative Program

111, 112 BEGINNING CHINESE I, II

Introduction to Mandarin Chinese. Intensive practice in the basic structures and vocabulary of the spoken language, as well as with Chinese characters and the written language. In the second semester, use of the spoken language is in conjunction with graded cultural readings using Chinese characters. (*Offered 1975-76 and alternate years.*)

211, 212 INTERMEDIATE CHINESE I, II

For students with a knowledge of basic Mandarin. Emphasis on the development of vocabulary. The grammatical structures of the spoken language are reviewed and intensively practiced using cultural readings in Chinese characters and, in the second semester, selections from contemporary Chinese history and literature. *Prereq.: one year of college-level Mandarin Chinese or #. 1976-77 and alternate years.*)

French

MAJOR: 8 courses above 212, including two in conversation-composition, one in civilization,

and three in literature, of which one should be course 352. One interim plus one semester, or one semester plus one summer of study in France strongly recommended.

MINOR: 4 courses above 212, including one in conversation-composition, one in civilization, and one in literature. One interim or summer of study in France strongly recommended.

RECOMMENDED SUPPORTING COURSES:

European History, a second language, linguistics, English literature, Study Abroad. Also see Interim catalog.

011 DIRECTED STUDY

Conversational French, readings. Once weekly. No credit. Offered on demand.

111 BEGINNING FRENCH

Designed to introduce the student with no previous background in French to the language and to French culture. The pronunciation system, basic noun groups and verb forms, and sentence structures are taught to enable understanding and expression on a rudimentary level. Two hours laboratory work. See above on placement. (*Fall, Spring*)

112 BEGINNING FRENCH

For those who have had 111 or equivalent. Through conversations, sentence practice, and readings, the study of tenses and forms is completed to make possible basic communication, beginning reading skills, and acquaintance with French culture and way of life. Two hours laboratory work. See above on placement. (*Spring*)

211 INTERMEDIATE FRENCH

Those who have studied most of the basic structures may here review all tenses and other structures through a core of twentieth-century French literary readings. This course moves toward expressing opinions and greater ease in reading. Two hours laboratory work. *(Fall)*

212 INTERMEDIATE FRENCH

Completes the review of basic structures and more complex forms. Several twentieth-century literary works are explored with the goals of communicating ideas and building sufficient reading skill to pursue general reading and literary study in French.

243 FRENCH LITERATURE IN TRANSLATION

Major representative works of French literature read in English translation. Through individualized background reading and class discussion, students become acquainted with artistic qualities and cultural-historical significance of these works. Sophomore standing. Does not count toward a French major or minor.

311 CONVERSATION-COMPOSITION

Post-intermediate level. Explores topics of current interest in both oral and written form to build fluency, accuracy, and facility of expression. Emphasis on vocabulary enrichment, grammatical refinements, effective organization of ideas. Laboratory assignments. A prerequisite to other upper division courses.

312 FRENCH EXPRESSION

A two-pronged approach to coherent and correct expression. Attention to grammatical structures, French turns of phrase and elementary stylistics. French phonology and speech groups practiced to overcome inade-

quacies and incorrect speech habits. *(On demand)*

331 FRENCH CIVILIZATION: HISTORICAL PERSPECTIVE

A study of the diversified development of the French from their beginnings to the modern period. Special attention to cultural manifestations of their intellectual political, social and artistic self-awareness. Readings, reports, extensive use of audio-visual materials. In French. *(Spring, 1976 and alternate years)*

332 FRENCH CIVILIZATION TODAY

Topics in twentieth-century problems, ideas, cultural manifestations that promote understanding the French people and their contribution to the contemporary scene. Readings, reports, extensive use of audio-visual materials and periodicals. In French. *(Alternate years. Spring, 1977)*

351 MIDDLE AGES AND RENAISSANCE

A survey of the major literary works from the twelfth century renaissance through the sixteenth century. These include the epic, courtly romance, early historians, early theatre, lyric poetry, fiction, and the essay. Oral and written reports in French, some laboratory texts. *(On demand)*

352 CREATIVITY AND RESTRAINT

A survey of the major literary creators of the Renaissance and Classical periods, and the French intellectual, social and ethical currents reflected in their works. Poetry and the essay, theater, early novel, letters and other prose forms. Classes, oral and written reports, and laboratory work in French. Required of all majors. *(Prereq.: 311 or #. Fall 1976. Offered alternate years)*

353 1700 THROUGH ROMANTICISM

A survey of the major works contributing to the enlightenment or age of reason and the romantic movement that followed. Primarily prose writers, poets and dramatists. Classes, oral and written reports, and laboratory texts in French. (*Spring 1976-77. Offered every third year*)

354 REALITIES: INNER AND OUTER WORLDS

A survey of the romantics, major novelists, Baudelaire and his successors in poetry, and the literature of ideas that led to new forms and emphases with the turn of the century (Proust, Gide, Claudel, Apollinaire, etc.) Classes, oral and written reports, and laboratory texts in French. (*Prereq.: 311 or #. Fall 1975. Offered alternate years.*)

355 TWENTIETH CENTURY LITERATURE

A survey of the major French literary movements since World War I, including the novel, the theatre, poetry, the essay, and criticism. Classes, oral and written reports, and laboratory texts in French. (*Spring 1977 and alternate years*)

411 ADVANCED CONVERSATION-COMPOSITION

By means of reading, speaking and writing on topics of intellectual, social, or political interest the student acquires extensive training in the four skills at an advanced level. Attention to accuracy and effectiveness, characteristic levels of expression, refinements in style and organization as individual needs indicate. Provides for self-improvement and self-evaluation. Laboratory assignments. Required for all majors. (*Offered Fall 1975 and alternate years*)

451 THE FRENCH NOVEL

A study of major authors (LaFayette, Proust, Balzac, Gide, Flaubert, Zola, Mauriac, Malraux, Sartre, Camus, etc.) that shows the evolution of this genre in theme and form. Analyses, discussion, and papers in French. (*Prereq.: 311 or #. Every third year*)

452 FRENCH DRAMA

A study of French plays that shows the evolution of this genre from classical forms to Theatre of the Absurd and anti-theatre. Group and individualized study of major works. Analyses, discussion, and papers in French. (*Prereq.: 311 or #. Recommended 331. Every third year*)

495 FRENCH SEMINAR

Study in depth of an author, topic or genre in French literature (i.e., 18th Century, poetry, medieval works, Romanticism). Student presentations in French. For advanced students. (*See also Interim offerings. Prereq.: 352, 354 or 355. Offered on demand*)

499 INDEPENDENT STUDY

Individual pursuit of a topic, movement, or genre at an advanced level. Designed to complete a balanced program, enhance research, or meet individual interests. In literature a major paper and its defense are included. (*Consultations with French teachers required. Junior standing. Fall, Interim, Spring. Subject and plan to be clarified early with study adviser*)

German

MAJOR: 8 upper division courses, including 311 and 411, Interim and/or summer in Germany strongly recommended.

MINOR: 4 upper division courses, including 311 and 411. Interim and/or summer in Germany strongly recommended.

RECOMMENDED SUPPORTING COURSES: Methods in Modern Languages, for teachers; European History, a second language, linguistics, English literature.

111, 112 BEGINNING GERMAN

Course 111 is for students with no previous background; 112 is for students who have had 111 or equivalent or less than two years of high school German. Aims at developing basic skills. Classroom practice in speaking, understanding and reading basic German. Goals: Ability to read extended narratives in simple German, insights into German culture and participation in short conversations. Laboratory materials available. (111 Fall, Spring. 112 Spring; also Fall with sufficient enrollment)

211, 212 INTERMEDIATE GERMAN

For students with 2 terms (or 2 years high school) of previous German. Aims at developing basic skills into working knowledge of German. Review of basic structures with emphasis on extending range of vocabulary and idiomatic expression through reading and discussion of materials representing contemporary German life and literature. (211, Fall. 212, Spring)

244 GERMAN LITERATURE IN TRANSLATION

Principal works of German literature representing various periods and movements are read and discussed in English. The readings are considered not only in the particular context of German cultural history, but also discussed in terms of their relevance to perennial human problems. Credit for this course does not apply to the major or minor in German.

311 GERMAN CONVERSATION AND COMPOSITION

Aims at developing facility in the use of grammatical structures, vocabulary and idiomatic expressions most common in colloquial German. Intensive practice in speaking is supplemented with exercises in written composition. (Fall)

331 GERMAN CIVILIZATION AND CULTURE

Survey of significant currents of development which have shaped present-day Germany, Austria and Switzerland. The contemporary scene is considered in view of its roots in the intellectual, geopolitical, artistic and scientific history of the German-speaking people. Classroom language is German, supplemented by English when helpful. (Offered alternate years. Spring, 1977)

351 GERMAN LITERATURE THROUGH 18th CENTURY

Brief survey of heroic, courtly, Reformation, Baroque, Aufklärung and Sturm und Drang literature. Extensive readings and discussions in Classic and Romantic periods. Readings in German, supplemented by lectures on the history of German literature in its cultural and geopolitical context. Class discussions aid to enhance students' ability to express ideas in German.

352 GERMAN LITERATURE: THE 19th CENTURY

Includes later Romanticism, Jung-Deutschland, poetic realism, Naturalism and Impressionism. The literary reaction to the decline of idealistic philosophy and the importance of the individual and the rise of materialism, technology and mass man. Readings in German. Class discussions aim to enhance students' ability to deal with concepts and express themselves in German.

353 GERMAN LITERATURE: THE 20th CENTURY

Literary responses to the crises and upheavals of our time. Writers of international stature are discussed: Kafka, Hesse, Mann, Brecht. Readings in German with class discussions are designed to aid students' self-expression in German. (*Fall 1977*)

411 ADVANCED GERMAN COMPOSITION AND CONVERSATION

Aims at developing and refining the student's use of German as a vehicle for expressing his own ideas and opinions. Emphasis on written composition including control of style. Oral practice through use of German as classroom language. (*Spring*)

451 GERMAN PROSE

Reading and discussion of German prose masterpieces from Goethe to the present. Lectures treat the development of the epic genre as a mirror of cultural and geopolitical history. (*Offered 1976 and alternate years*)

452 GERMAN DRAMA

Representative dramatic works from late 18th century to the present are discussed and read as symptomatic of perennial human concerns. Lectures treat the historical development of the drama. (*Alternate years*)

499 INDEPENDENT STUDY**Greek****111, 112 BEGINNING GREEK**

Theoretical and practical study of Greek grammar, with special emphasis on morphology. Translation exercises from and into Greek. (*111 Fall, 112 Spring*)

211 NEW TESTAMENT GREEK

Selection from the New Testament with special emphasis given to parsing and syntax of the Greek text. (*Fall*)

Norwegian

MINOR: Four upper division courses including 311, 353, 411, plus one course under Scandinavian Area Studies.

111, 112 BEGINNING NORWEGIAN

Introduction of the four basic language skills: speaking, listening, reading and writing. Stress on spoken rather than literary Norwegian. Laboratory work expected. (*111, Fall. 112, Spring*)

211 INTERMEDIATE NORWEGIAN

Continued conversation and composition to improve comprehension and facility in expression. Selected readings in Norwegian used as basis for class discussion and exercises. Brief literature survey. Laboratory work expected. (*Prereq.: 112 or equivalent. Fall*)

311 NORWEGIAN COMPOSITION AND CONVERSATION

Intensive practice in spoken Norwegian with emphasis on pronunciation and original composition. Some attention given to regional variations in spoken Norwegian and to differences between the two official languages of Norway. (*Prereq.: 212 or equivalent. Fall*)

353 SURVEY OF NORWEGIAN LITERATURE

Selected readings in contemporary Norwegian literature provide a base for the study of original works from earlier periods extending

back to Old Norse literature. All genres are examined, and considerable attention is given to writings in the *Nynorsk* language, particularly poetry. Lectures, readings, oral and written reports are in the Norwegian language. (*Prereq.: Norw. 211 or equivalent. Offered Spring, 1974-75*)

411 ADVANCED NORWEGIAN CONVERSATION AND COMPOSITION

Further intensive practice in spoken and written Norwegian. Some attention given to the other Scandinavian languages and to the historical development of Norwegian. Laboratory work. (*Prereq.: 311 or equivalent. Offered on demand.*)

499 INDEPENDENT STUDY

SPANISH

MAJOR: Eight courses above 212, including 311, 456 or 457, 416, 352-353 or 354. (Study in Spain or Latin America is strongly recommended)

MINOR: Four courses above 212, including 315, 331 and one course in literature. (Study in Spain or Latin America is strongly recommended)

111, 112 BEGINNING SPANISH

Aims to develop the four basic skills: understanding, speaking, reading, and writing of elementary Spanish. Introduction to culture of Spanish-speaking world. Laboratory work is an integral part of the course. (*111, Fall, Spring; 112, Spring*)

211, 212 INTERMEDIATE SPANISH

A thorough review of grammar with emphasis on active use of the language, supplemented

by readings in culture and literature. (*Prereq.: 112 or 2 years of high school Spanish. 211, Fall; 212, Spring*)

249 SELECTED WORKS OF SPANISH AND LATIN AMERICAN LITERATURE IN TRANSLATION

Major works of Spanish and Latin American literature representing various periods and movements are read in English translation. Through background reading and class discussion in English the student is acquainted with the salient artistic qualities and cultural-historical significance of the readings. Credit in this course does not count toward a major or minor in Spanish. Sophomore standing preferred.

311 SPANISH CONVERSATION AND COMPOSITION

Thorough oral and written practice in correct expression with the aims of fluency and facility. Enrichment of vocabulary. Laboratory work. (*Prereq.: 212 or equivalent. This course is a prerequisite for all upper-division courses. Fall*)

331 SPANISH CIVILIZATION AND CULTURE

Study of the Spanish character and of Spanish contribution to world civilization through its historical, intellectual, literary, and artistic movements. In Spanish. (*Spring 1976, 1978*)

352, 353 SURVEY OF SPANISH LITERATURE I, II

A study of representative authors in Spanish literature, supplemented by lectures on the literary movements and development of Spanish literature. Lectures, discussion, written and oral reports in the language. (*352, Fall 1976, 1978. 353, Fall 1975, 1977*)

354 REPRESENTATIVE HISPANIC AMERICAN AUTHORS

An introduction to Spanish American literature. Lectures, discussions, written and oral reports in the language. (*Spring 1977*)

411 ADVANCED CONVERSATION AND COMPOSITION

Emphasis on increasing facility and correctness of written and oral expression through conversations, discussions, reports, debates, and written compositions and grammatical exercises. (*Spring*)

317 SPANISH EXPRESSION

Systematic study of the refinements of grammatical usage. (*Offered on demand*)

456 SPANISH DRAMA

Study of the masterpieces of dramatic literature in Spain. Oral and written reports in the language. Emphasis on the Golden Age and the Modern Period. (*Prereq.: One survey course. Spring 1976, 1978*)

457 SPANISH NOVEL

Study of the outstanding novelists of the nineteenth and twentieth century in Spain. Oral and written reports in the language. (*Prereq.: One survey course. Spring 1977*)

499 INDEPENDENT STUDY

Department of History

Chairman: *Richard Nelson*

MAJOR 8 courses plus 1 seminar.

At least four of these courses must be upper division. A major must have at least one course (either survey or upper level) from each of the four areas: Ancient and Medieval; Modern Europe; U.S.; and non-Western.

MAJOR FOR TEACHING: The history major with certain supporting courses, qualifies a student for certification as a social studies teacher. For those graduating after July 1, 1979, there will be a new "competency based" program in effect. See Mr. Gisselquist, Social Studies Education Adviser, or the Education Department for further details.

HONORS MAJOR: GPA of 3.6 in the major and 3.0 over-all; application before the end of the first term of the junior year; two years of a foreign language at the college level (or its equivalent); an honors thesis (equal to one course credit) to be defended before a faculty committee.

MINOR: 5 courses, at least three of which must be upper division.

Students are required to take at least one survey course (numbered below 300) before registering for an upper level course. Lower level courses need not be taken in sequence.

101 THE BEGINNINGS OF THE WESTERN CULTURE

An analysis of the primary civilizations in the Near East, the classical world of Greece and

Rome, and the middle ages of Europe to the 1200s. *(Fall, Spring)*

102 THE SHAPING OF WESTERN CULTURE

A consideration of European institutions and values from the waning of the middle ages through the remodeling of Europe by Napoleon. *(Fall, Spring)*

103 THE MODERN WORLD

A study of the main currents in western civilization from the time of Napoleon to the present. *(Fall, Spring)*

104 THE MODERN NON-WESTERN WORLD

An introduction to various centers of cultural and political power in Asia and Africa of the last 200 years. *(Fall, Spring)*

221 U.S. HISTORY TO 1877

A survey of Americans from Jamestown through the efforts to reconstruct a nation torn apart by The Civil War. *(Fall)*

222 U.S. HISTORY SINCE 1877

An assessment of the century which precedes our modern day. *(Spring)*

299 DIRECTED STUDY

An opportunity for a student to do readings or study on topics not covered in the scheduled courses. The proposed study must be approved by the directing faculty member and the chairperson of the department before registration.

331 TOPICS IN 20th CENTURY U.S.

Exploration in depth of selected topics in U.S. history (excluding foreign policy; see History

332). The specific topics to be offered will be announced prior to registration. *(Fall, Spring)*

332 HISTORY OF AMERICAN FOREIGN POLICY

The relationship of foreign policy to general American development is stressed as is the period of the Cold War. *(Fall)*

353 SELECT TOPICS IN MINNESOTA HISTORY

A survey of topics relating to the emergence of modern Minnesota: Indian-white relations; immigration and ethnic adjustments; rise of the Twin Cities; economic and political development. Primary emphasis will be on the late 19th and early 20th Centuries. *(Spring, 1977-78)*

360 THE ANCIENT NEAR EAST AND GREECE TO 338 B.C.

The development of civilization in the Near East from earliest times through its extension and elaboration by the Greeks. Emphasis is placed on the development of writing, achievement in the arts and sciences and political institutions. *(Spring)*

361 HELLENISTIC GREECE AND ROME TO 330 A.D.

A study of the development of Alexander's Empire, the Hellenistic kingdoms and the rise of Rome as the world's greatest power. Emphasis is placed on personalities, the arts and sciences and Rome's contributions in law and the political process. *(Fall, 1977-78)*

370 THE LATE MIDDLE AGES TO 1560

A study of the scholastic tradition and the role of the Church and state through the changes forced on these institutions by the Italian Renaissance and the early years of the Reformation. *(Spring, 1977-78)*

399 INTERNSHIP IN HISTORY

A limited number of internships may be available for qualified upper-division students majoring in history. See department chairperson.

412 ENGLAND TO 1714

A study of English history from Roman Britain through the Stuart period. An attempt is made to structure the course so that it may serve the needs of those majoring in a pre-law program, in English literature or in history. *(Fall)*

416 EUROPE IN THE SEVENTEENTH CENTURY

The study of this century as the most critical period in the rise of the modern state. Emphasis is also placed on the emergence of modern science and its effect on intellectual history. The chronological boundaries may be listed as 1560-1714. *(Spring, 1977-78)*

431 EUROPEAN URBAN HISTORY

A history of the dynamics of urban growth, the distinctive institutions, and the culture of cities in Europe from the 12th to the 20th centuries, with focus on specific historic cities as examples. The course is designed for history students, urban study majors, and those who desire a background to enrich future travel. *(Spring)*

440 TWENTIETH CENTURY TOPICS IN WORLD HISTORY

This course emphasizes such topics as Hitler's fascism, the collapse of colonial empires and the rise of the third world. The emphasis will be on Western Asia, Europe, and Africa in the last fifty years. *(Fall, 1977-78)*

463 MODERN SOUTHEAST ASIA

A study of the major historical events, personalities and political developments in this

area. A comparative analysis of the nationalist movements and the process of decolonization will especially focus on Indonesia, the Philippines, Burma and Vietnam. *(Spring, 1977-78)*

464 MODERN CHINA

A selective treatment of Chinese history since the Opium war of 1839. The erosion of China's isolationism and collapse of the imperial system. The Nationalist and Communist revolutions of the 20th century. *(Fall)*

465 MODERN JAPAN

An examination of the distinctive features of the Tokugawa Shogunate, the opening of Japan, the Meiji restoration, modernization, and Japan's emergence as a major world power in the 20th century. *(Spring)*

474 THE WORLD AND THE WEST

This course begins with Europe's discovery of the rest of the world, considers cultural interaction and conflict, and the building of European empires in Asia and the Americas, and concludes with the breakdown of these imperial systems at the end of the 18th Century. *(Spring)*

495 SEMINAR

Selected topics. Admission by permission of the instructor. *(Fall, Spring)*

499 INDEPENDENT STUDY

Majors with an average of 3.5 or above in history courses are encouraged to apply to individual instructors for permission to register for directed independent study. A maximum of one course in independent study may be applied toward the major.

Geography

114 GEOGRAPHY OF THE MEDITERRANEAN WORLD

An introduction to the basic concepts of

geography through an emphasis on the historical development of the Mediterranean World and the role of geography in the human exploitation of the region. (*Spring, 1977 and alternate years*)



Interdisciplinary Studies

Minneapolis Urban Studies Term

357 FIELD EXPERIENCE

The student works in a community agency or institution. Reports and logs required.

358 SEMINAR: READINGS IN URBAN STUDIES

A review of current literature on urbanism. Seminar discussions.

359 SEMINAR: CITY OF MINNEAPOLIS

An overall view of the city as a political, economic, social system.

facilitating the students' studies of life and learning in Urban Scandinavia.

373 URBANIZATION AND COMMUNITY BUILDING IN MODERN SCANDINAVIA

This interdisciplinary core course in urban studies is offered for 14 weeks. It examines the extent, the nature, and the processes of urbanization taking place in contemporary Scandinavia and the changing settlement patterns and community developments that were associated with it.

396 HOUSING AND SOCIAL PLANNING IN SCANDINAVIA

This is the second core urban studies course. In addition to the study of the housing developments themselves, this course pays close attention to the policies, the structures, the processes and character of the comprehensive social planning integrally related to the housing programs.

Scandinavian Urban Studies Term

372 ORIENTATION TO SCANDINAVIAN LIFE AND CULTURE

This course includes a two-week intensive language study coupled with a series of lectures on Scandinavian Life and Institutions, aimed at



Department of Mathematics

Chairman: *Dean Gulden*

MAJOR: 9 courses including 124, 125, 224, 314, 324, and 315 or 325. For teacher certification, courses 351, 373, 441 must be included. Students wishing to become certified teachers are advised to consult with the Education Department for requirements.

MINOR: 5 courses including 124, 125, 224.

HONORS MAJOR: GPA of 3.5 in mathematics; 3.1 over-all. Comprehensive oral examination. Program must be submitted to department during first term of junior year, and must in-

clude advanced study in areas of Real Analysis, Complex Analysis, Algebra, Topology, and Mathematics-Education.

114 INTRODUCTION TO COLLEGE ALGEBRA AND TRIGONOMETRY

Fundamental operations, factoring, fractions, functions and graphs, linear equations, exponents and radicals, quadratic equations, ratio and variation, progressions, binomial theorem, and logarithms. (*Fall*)

121, 122 CALCULUS I, II

Topics of finite mathematics and differential and integral calculus of a single variable with

applications from the non-physical sciences. Primarily for students in the social sciences. (121, Fall; 122, Spring)

124, 125, 224 CALCULUS I, II, III

Topics of the elements of plane and solid analytic geometry integrated with differential and integral calculus including calculus of several variables and series with applications primarily from the physical sciences. Primarily for students in the natural sciences. (124 Fall; 125, Spring; 224, Fall)

131 MATHEMATICS FOR THE ARTS

An introduction to the structure of mathematical systems and math models which have had a primary historical impact on the other liberal arts. Primarily for students not intending further study of mathematics. No course credit will be given to mathematics majors or minors. (Fall)

211 NUMBER THEORY

A transitional course from computational to abstract mathematics. A study of the integers and their properties. (Prereq.: Consent of instructor. Spring 1975, alternate years)

226 DIFFERENTIAL EQUATIONS

Solutions of ordinary differential equations with applications; solutions by special integral transforms; systems of differential equations with matrix algebra techniques; series solutions. (Prereq.: 224. Spring)

242 BASIC CONCEPTS OF MATHEMATICS

The structure of mathematics underlying arithmetic and geometry. Emphasis is placed on the inductive techniques of discovery. Includes the ideas of modern elementary school mathematics curricula. Does not apply toward a major or minor in mathematics. (Spring)

314 INTRODUCTION TO MODERN ALGEBRA

A rigorous investigation of the basic structures of algebra including groups, rings, integral domains and fields. (Prereq.: 224. 211 is recommended. Fall)

315 LINEAR ALGEBRA

A study of vector spaces, linear transformations, the algebra of matrices and canonical forms. (Prereq.: 314. Spring)

324, 325 ADVANCED CALCULUS I, II

A study of the fundamental concepts of calculus for functions of several variables, including transformations, sequences and series of functions, improper integrals, differential forms and manifolds, and vector analysis. (Prereq.: 224. 324, Spring; 325, Fall)

351 MODERN GEOMETRY

A study of Euclidean and other geometries by synthetic, coordinate, vector and transformation methods. (Prereq.: 122 or 125. Spring 1976, offered alternate years)

373 PROBABILITY AND STATISTICS

An analytic study of probability and statistics, including probability distributions and densities, expectation, sampling distributions, central limit theorem, estimation, regression and tests of hypotheses. (Prereq.: 224. Fall)

399 INTERNSHIP

Consult Chairman or Internship Director to determine project.

416 TOPICS IN ALGEBRA

An in depth study of topics introduced in Introduction to Modern Algebra, including extension fields and an introduction to Galois Theory. (Prereq.: 314. Spring 1977 offered alternate years)

427 INTRODUCTION TO COMPLEX VARIABLES

Complex numbers, complex functions, integration and differentiation of complex functions, Taylor and Laurent series, residues. (Prereq.: 324. Spring 1977, offered alternate years)

441 FOUNDATIONS OF MATHEMATICS

Set theory, logic, axiomatic method, and development of number systems. (Prereq.: 315, 324. Spring 1976, offered alternate years)

454 TOPOLOGY

Topological spaces, metric spaces, product spaces, mappings, compactness, connectedness, separation and countability axioms. (Prereq.: 324 or concurrent registration. Spring 1976, offered alternate years)

499 INDEPENDENT STUDY

Topics defined through consultation between student and department.

Computer Science**245 INTRODUCTION TO PROGRAMMING**

An introduction to computer methods and languages with the primary language being

FORTRAN. Does not apply toward a major or minor in mathematics. (Spring. Laboratory Fee: \$30.00)

355 COMPUTER SCIENCE AND NUMERICAL METHODS

A study of methods used to solve problems on computers. Analysis of computational problems and development of algorithms for their solutions, application of a procedure-oriented programming language in numerical analysis. Topics include the general concept of iterative formulas, solution of equations, Newton's method, linear systems, interpolation, numerical differentiation and integration. Credit may be granted towards a mathematics major or minor. (Prereq.: Computer Science 245 and Mathematics 224 or concurrent registration. Fall. Laboratory Fee: \$30.00)

**Medical Technology**

This major involves the completion of three years of academic work at Augsburg College and twelve months of internship at Hennepin County Medical Center, Metropolitan Medical Center or Northwestern Hospital. Specific recommended courses vary to some extent depending on the hospital with which the student plans to affiliate. It is important to work closely with the Medical Technology adviser.

Augsburg College does not guarantee that all students will be accepted by the hospitals for the 12-month internship. Students must negotiate directly with the hospitals involved.

Required science courses: 1) Biology: 111, 112 and two additional upper division (usually 367 and 476); 2) Chemistry: 105, 106 (or 115, 116), 223 (or 351, 352), 325.

**Metro-Urban Studies**

Director: *Joel S. Torstenson*

MAJOR: 15 courses including the following core requirements: Economics 120; Political Science 122; Psychology 373; Sociology 111, 362, 363, 381, and 383; plus a trans-disciplin-

ary seminar in metro-urban planning*; a minimum of one course in internship and/or independent study.

The following electives are suggested for completing the major: Art 102; Biology 110;

Business Administration 131; Business Education 101; Computer Science 245; Education 478; English 351; History 431; Psychology 351 and 352; Religion 360; Speech 342; others, including interims, internships, and independent studies, by approval of the Director and the Advisory Council.

METRO-URBAN STUDIES CONCENTRATION:

To be linked with appropriate majors (such as business administration, business education, political science, psychology, religion, sociology, speech). The following core courses are required for the Concentration: Economics 120; Political Science 122; Sociology 111; a trans-disciplinary seminar in metro-urban planning*; an approved Social Science Research course; an approved internship and/or independent study.

Additional alternatives to these electives are possible through special urban programs provided by the Higher Education Consortium for Urban Affairs, such as the Scandinavian Urban Studies Term (SUST) and the Minneapolis Urban Studies Term (MUST) and special urban studies courses at other colleges of the Five College Cooperative Program. For further information, consult the Director of the Metro-Urban Studies Program.

*The course in metro-urban planning is not as yet a regular part of the course offerings. The interim, independent study, and internship can provide opportunities for such a course. For planning either the Major or the Concentration, consult the Director of the program. Creative alternatives to the above suggested programs will be considered.



Department of Music

Chairman: *Robert Karlén*

MAJOR: 12 courses: 101, 102, 223, 224, 260, 261, 350 or 476, 354 or 355, 365 or 375, 457, 458, 4 years of Performance Studies, 2 years in a music organization; Performance Workshop; piano proficiency; and music repertoire tests.

TEACHING MAJOR: 11 courses: 101, 102, 223, 224, 260, 261, 350 or 476, 457, 458, two of 354, 355, 365, 375; 3 years of Performance Studies; 2 years in a music organization; Performance Workshop; piano proficiency; and music repertoire test. Consult with the Education Department for requirements.

BACHELOR OF MUSIC: 13 courses plus 4 years of Performance Studies with double periods in the last two years; 2 years in a music organization; Performance Workshop; piano proficiency; and music repertoire tests.

HONORS MAJOR: Students may qualify for graduation honors in music if they (1) provide leadership in: the promotion of higher music

performance standards within the Department of Music; breadth of musical interests by attendance at concerts both on and off campus; the performing organizations; the creation and/or promotion of smaller performing ensembles; (2) have earned a GPA of at least 3.0 in music courses; and (3) apply for the Honors Program at the beginning of the second term of the junior year.

Honors may be achieved by any one of the following ways: (1) two solo recitals of graduate quality; (2) a musical composition for vocal and/or instrumental ensemble of not less than 15 minutes duration and either a senior thesis and its defense before a faculty committee or a solo recital of graduate quality; (3) a senior thesis and its defense before a faculty committee and a solo recital of graduate quality.

MAJOR IN MUSIC THERAPY (BACHELOR OF SCIENCE DEGREE): 101, 102, 223, 224, 260, 261, 354, 355, 365, 382, 395, 435, 457, 476 or 350, 495; 3 years of Performance Studies; Per-

formance Workshop; piano proficiency; Psychology 105, 362; Sociology 241; and one of Sociology 111, 121, 231, 232, 375; plus recreational music and electives in physical education, psychology, art, English, religion, foreign languages; and speech, communication and theater arts. Eligibility for application for certification/registration with the National Association for Music Therapy is made possible upon satisfactory completion of a six month internship in an NAMT approved institution, in addition to the above degree program in Music Therapy.

MINOR: 5 courses: 101, 102, 260 or 261, 458 and elective; plus 1 year of Performance Studies and 1 year in a music organization; piano proficiency; and two music repertoire tests. Attendance at 8 performance workshops and campus recitals also required.

Students intending to major in Music or Music Therapy must declare their intent not later than the end of their Freshman year, or at the completion of Theory 102.

Those wishing to minor in Music must declare their intent not later than the end of their Sophomore year, or at the completion of Theory 102.

Performance Workshop and Recital Requirements: Attendance at Performance Workshop and all campus faculty and student recitals is required of sophomores, juniors, seniors. All music majors and minors, must register for Performance Workshop at no credit. A recital in their area of Performance Studies concentration is required of majors during either the junior or senior year. A recital in their area of Performance Studies concentration is required of Bachelors of Music in both their junior and senior years.

Required Music Repertoire Tests: All majors are required to pass three Music Repertoire tests. Minors must pass two Music Repertoire

tests. Information regarding the test may be secured from the Music Office.

Performance Studies Requirements: Major, 8 terms; Music Education, 6 terms; Minor, 2 terms; Bachelor of Music, 8 terms, with double lessons throughout the last 4 terms. Major in Music Therapy: 7 terms.

Performing Organizations Requirements: All majors: 2 years; minor, one year.

Piano Proficiency Requirement: All majors and minors are required to pass a piano proficiency examination by the end of the sophomore year. Confer with department regarding specific requirements.

During the junior and senior years, a student who has been certified by the Department of Music as a major or Bachelor of Music is given required lessons in the area of his concentration without extra cost. The total of Performance Studies credits earned under this provision may not exceed four terms of weekly half-hour lessons.

TRANSFER STUDENTS IN MUSIC: A junior or senior student transferring to Augsburg College as a Music major must, before registration and acceptance into the major program, (1) pass an advanced standing test in music theory, and (2) sing or play representative pieces recently studied in his or her area of applied music concentration. This may be done immediately before registration or earlier when convenient. Transfer students must pass the Piano Proficiency test by the end of their first term at Augsburg.

101, 102, 223, 224 THEORY

Music Theory is an integrated course extending over four terms. Taught by a team of instructors, the various aspects of musical theory (i.e., ear training, harmony, counter-point,

and analysis) are presented in parallel, rather than sequentially. (101, 223, Fall, 102, 224, Spring)

230 INTRODUCTION TO THE FINE ARTS

The development of music through the study of selected works of great composers from each period. Emphasis is placed upon relationships between music and the other fine arts. For the non-music major. (Fall, Spring)

260 HISTORY AND LITERATURE OF MUSIC

Music of the Baroque and Classical eras. (Fall)

261 HISTORY AND LITERATURE OF MUSIC

Music of the Romantic and Modern eras. (Spring)

350 CHORAL TECHNIQUE AND ARRANGING

Fundamentals of voice culture as related to choral ensemble; methods, materials, techniques, and arranging. (Spring)

354 INSTRUMENTAL TECHNIQUE

The technique of playing and teaching brass and percussion instruments. (Fall)

355 INSTRUMENTAL TECHNIQUE

The technique of playing and teaching woodwind and percussion instruments. (Spring)

365 INSTRUMENTAL TECHNIQUE

Elementary technique in the playing and teaching of string instruments. (Fall)

375 INSTRUMENTAL TECHNIQUE

Advanced technique in the playing and teaching of string instruments. (Spring)

380 MUSIC OF THE WESTERN CHURCH

Development and influence of the music of the Christian church. Designed for the general

student as well as for organists, choir directors, and pre-theological students. (Fall)

382 PSYCHOLOGY OF MUSIC

An objective analysis of musical stimuli: design and implementation of experimental research in music. (Fall)

395 INFLUENCE OF MUSIC ON BEHAVIOR

A study of man as he relates with music, with emphasis on psychological, cultural, and biological aspects of musical behavior.

435 MUSIC IN THERAPY

The study and application of the uses of music with the emotionally ill, mentally retarded, and physically handicapped. (Prereq.: 395)

457 CONDUCTING

Techniques of conducting, preparation of and conducting choral scores, organization of choral ensembles. (Fall)

458 CONDUCTING

Preparation of and conducting instrumental scores, organization of instrumental ensembles. (Spring)

476 ORCHESTRATION

The craft of orchestrating and arranging music for instrumental ensembles of varying sizes and types. (Alternate years)

482 SCANDINAVIAN MUSIC

The music of Scandinavia since 1700. (Alternate years)

488, 489 PIANO TEACHING METHODS

Instruction in the principles, methods, and techniques for teaching piano. Students will give individual lessons to children under the supervision of the instructor. No course credit. (Fall, Spring)

495 FIELD EXPERIENCE IN MUSIC THERAPY

Observation of various music therapy programs in hospitals and treatment centers. Dates and times to be arranged.

499 INDEPENDENT STUDY

Permits advanced and specialized studies and projects not otherwise provided for in the departmental curriculum. Open only to advanced students upon approval of a member of the faculty. *(Fall, Spring)*

PERFORMANCE WORKSHOP

Student recitals affording opportunity for public performance. Acquaints students with a repertoire of musical excellence. No course credit. *(Fall, Spring)*

PERFORMANCE STUDIES

Vocal and instrumental instruction is available to all students. For statement of fees, see under Financial Information. No course credit. *(Fall, Spring)*

Piano

Technique as needed, repertoire, performance, accompanying. Only those lessons in piano taken after the piano proficiency examination has been passed may be applied toward the music major or minor.

Organ

Technique as needed, repertoire, performance, hymn-playing, accompanying.

Voice

Correct habits of pronunciation and articulation, breath control, flexibility, ear training as needed, interpretation of songs.

Woodwind Instruments, Brass Instruments, String Instruments

Technique as needed, repertoire, performance.

MUSIC ORGANIZATIONS

The musical organizations exist not only for the benefit of the music student, but for any student of the college who wishes to participate in groups affording opportunity for musical expression. Membership for the full year required of participants. No course credit. *(Fall, Spring)*

Choir

Membership by audition and restricted to 65 singers.

Concert Band

Membership by audition.

Orchestra

Membership by audition.

Choral Club, Jazz Ensemble, Repertoire Band, Brass Ensemble, String Ensemble, Woodwind Ensemble.

Membership by audition or consent of director.

**Natural Science**

NATURAL SCIENCE MAJOR for teaching in Secondary Schools. *(Valid until July 1, 1979)*

MAJOR: A total of 12 courses in science and mathematics with at least 5 courses in each of

two of the areas of biology, chemistry or physics.

In biology, the required courses are 111, 112. The additional 3 courses are to be chosen from the upper division offerings.

In chemistry, 105, 106, or (115, 116), and 353 are required. In order to complete the total of 5 courses, two courses may be chosen as follows: 223 and 361; or 351 and 352; or 351 and 361.

In mathematics, Calculus I and Calculus II are required; and any 3 additional courses may be selected.

In physics, courses 121, 122, 245 are required; two additional courses to be chosen after consultation with a member of the Physics Department.

Early consultation with adviser is recommended.

NATURAL SCIENCE MAJOR for Premedical Students.

This major is presented as an option for pre-medical students who wish to take a major which provides the science courses necessary and recommended for admission to most medical schools (including the University of Minnesota Medical School), and also permits a number of electives. The student should choose electives carefully keeping in mind the specific requirements of the medical schools to which he or she intends to apply. Early consultation with a premedical adviser is recommended.

MAJOR: 13 courses including Biology 111, 112, 491 or 492, and 2 upper division biology courses; Chemistry 115, 116, or (105, 106), 351, 352, and Quantitative Analytical Chemistry; Mathematics 121 and 122, or 124 and 125; and Physics 121, 122.



Nursing

A second-step program in nursing is being formulated. Tentatively it is planned that the first class will enroll in the fall term of the 1976-77 academic year. The program is

designed to enable registered nurses to earn a baccalaureate degree. Inquiries about the program should be made to the nursing education office.



Department of Philosophy

Chairman: *Bruce Reichenbach*

MAJOR: 9 courses, including 130, 241, 242, 343, and 344.

MINOR: 5 courses, including two courses from 241, 242, 343, and 344.

HONORS MAJOR: Admission to the Philosophy HONORS PROGRAM is by recommenda-

tion of the philosophy faculty. Such recommendations will be made at the end of the junior year. The program will consist of an honors thesis on an approved topic of the student's choice, involving research above the course level, and a defense of this thesis before the faculty of the department.

Courses 110, 120, and 130 are recommended for fulfilling the general education requirement.

**110 INTRODUCTION TO PHILOSOPHY:
IDEAS AND METHOD**

Though each person has his own set of ideas and beliefs, rarely have they been critically analyzed or evaluated for their consistency, adequacy or truth. The reason for this is that individuals lack the needed skills. The major function of the course is to enable you to develop the critical and analytical skills required to evaluate and construct a system of ideas and beliefs. *(Fall, Spring)*

120 ETHICS

Sometimes you say that a certain action is right or condemn it as wrong. Why do you think it is right? Because you like it? Are there better reasons for thinking something right or wrong? This course takes a long, hard look at possible grounds for making moral decisions, and at the moral judgments about personal and social issues resulting from them. *(Fall, Spring)*

130 LOGIC

Suppose someone gives you reasons, and then says you must accept a particular conclusion. Do you? When does a conclusion follow from premises? Here we examine the rules which govern valid arguments and work to develop your ability to recognize and construct sound arguments. *(Fall, Spring)*

241 HISTORY OF PHILOSOPHY I: PLATO AND ARISTOTLE

How, when and why did philosophy begin? Who were Socrates, Plato, Aristotle and the Stoics; what did they believe? Why did Plato think that the physical world was not overly important, and what did he value? How did Aristotle, the scientist, respond to this? The answers to these and other questions will be considered so as to reveal what these great philosophers can contribute to our contemporary problems and ideas. *(Fall)*

242 HISTORY OF PHILOSOPHY II: MEDIEVAL AND RENAISSANCE PHILOSOPHY

The Middle Ages are often regarded as a period of darkness, whereas the Renaissance was a time of rediscovery and enlightenment. How dark were the Middle Ages; how enlightened the Renaissance? We shall attempt to discover the grandeur of the Medieval philosophers, learn how the Christian tradition was carried forward in the Age of Faith, explore the worship of the world and the individual in the Renaissance and the new methodology of the 17th Century rationalists. *(Spring)*

**343 HISTORY OF PHILOSOPHY III:
ENLIGHTENMENT AND 19TH CENTURY
PHILOSOPHY**

Where does knowledge begin? In innate ideas or with experience? What can we really know about the world? What impact did Romanticism have on philosophy? This course studies the major empiricists of the 18th century (Locke, Berkeley, Hume), Kant's synthesis of philosophy, 19th century idealism, and the reaction to Idealism in men such as Marx, Kierkegaard and Nietzsche. *(Fall)*

344 HISTORY OF PHILOSOPHY IV: CONTEMPORARY PHILOSOPHY

What lies behind 20th century philosophy's love affair with language? Is truth that which works? Can we remake philosophy as a rigorous science? These and other issues are dealt with in a study of the major representatives of linguistic analysis, pragmatism, existentialism, and phenomenology. *(Spring)*

350 PHILOSOPHY OF RELIGION

What is the relation between faith and reason? Does God exist, and what can be said about him if he does? Can we reconcile the goodness of God with human and animal suffering? Is man really immortal? Are miracles possible? We intend to conduct a systematic inquiry into these questions which form the basis of religious beliefs. *(Spring, 1977)*

355 ORIENTAL PHILOSOPHY

A study of the basic concepts and philosophies which underlie Hinduism, Buddhism, Confucianism and Taoism. (*Spring, 1976*)

360 PHILOSOPHY OF LANGUAGE

Every day we use language to buy and sell, praise and berate, communicate with friends. What is language? Could an individual be fully human without it? How does language relate to the world — can we really learn about the nature of things from words? Do the mathematician and the scientist have a language? Is it possible to have a language which only one individual can understand? We shall explore how philosophers have responded to these and other important questions about language. (*Fall, 1976*)

365 PHILOSOPHY OF SCIENCE

The scientist's knowledge of the world is purported to be profoundly different and better than that of the non-scientist. Is this true? What constitutes scientific knowledge? Are there certain real questions which science cannot answer? How certain are the methods used by the scientist to recover knowledge? In addition to dealing with these questions, students will work in researching and developing philosophical problems in the special sciences. (*Fall, 1976*)

370 EXISTENTIALISM

Studies in the writings — both philosophical and literary — of prominent Existentialist

authors. We will examine what it means to be a being-in-the-world, and explore such themes as absurdity, freedom, guilt, despair and paradox. (*Suggested: One prior course in philosophy*)

375 PHILOSOPHICAL MOVEMENTS

Studies in such philosophical movements as Analytic philosophy, American philosophy, Phenomenology, Russian philosophy, etc. (*Suggested prior course: 344*)

430 STUDIES IN INDIVIDUAL PHILOSOPHERS

Advanced studies in the philosophy of particular philosophers, e.g., Plato, Descartes, Marx, Hegel, Kierkegaard, Wittgenstein, etc. Seminar format. (*Suggested prior course: 241, 242, 343, or #.*)

450 INTERDEPARTMENTAL STUDIES

Studies in such areas as the philosophy of art, philosophy of literature, philosophy of history, philosophical psychology, philosophy of culture, political and legal philosophy, etc. Seminar format. (*Suggested: one prior course in philosophy.*)

499 INDEPENDENT STUDY

Individual study and research on some philosophical topic of interest to the student, worked out in consultation with the faculty adviser.



Department of Physical Education
and Health Education

Chairman: *Ernest Anderson*

PHYSICAL EDUCATION MAJOR: 9 courses. 223, 231, 232, 243, 350, 351, 352, 471, 472.

PHYSICAL EDUCATION TEACHING MAJOR: 11 courses. 111, 223, 231, 232, 243, 350, 351, 352, 365, 471, 472. Students wishing to become certified teachers are advised to con-

sult with the Education Department for requirements.

PHYSICAL EDUCATION MAJOR WITH SPECIALIZATION IN CORRECTIVE THERAPY:

Physical Education 111, 223, 231, 232, 243, 350, 351, 352, 365, 471, 472, 485, 491, 495. Psychology 105, 355, 362. Approval for admission to Corrective Therapy major must be secured from Coordinator of Corrective Therapy.

PHYSICAL EDUCATION MINOR: 5 courses. 111, 223, 231, 232 or 472, and 243.

HEALTH TEACHING MINOR: 5 courses. 110, 111, 350, 351, 360.

COACHING ENDORSEMENT: 6 courses. 111, 243, 350, 351, 482 and practicum in coaching. (Practicum requires registration for 499, Independent Study)

Coaches entering their first head-coaching assignment in Minnesota public schools are required to have at least a coaching endorsement in the field of physical education and athletics.

Physical Education

102, 103 LIFETIME SPORTS

Three hours per week. Meets the general education requirement. No course credit. (*Fall, Spring*)

223 TEAM SPORTS

Theory and practice in teaching and officiating team sports. (*Fall, Spring*)

231 INDIVIDUAL AND DUAL SPORTS

Theory and practice in teaching individual and dual sports. (*Fall, Spring*)

232 RECREATIONAL ACTIVITIES AND RHYTHMS

Theory and practice in teaching recreational activities, social recreation, quiet games, low organized games, noon hour activities, camp nights, relays, modified games, simple rhythmic games, folk and square dancing. (*Interim*)

243 HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION

History, principles, and philosophy of physical education. (*Spring*)

350 KINESIOLOGY

Mechanics of movement with special emphasis upon the action of the muscular system. (*Prereq.: Biology 103, Chemistry 105. Fall*)

351 PHYSIOLOGY OF EXERCISE

The major effects of exercises upon the systems of the body. (*Prereq.: Biology 103, Chemistry 105. Spring*)

352 ADAPTED PHYSICAL EDUCATION AND EVALUATION

Physical education for the exceptional child with special reference to the analysis of functional and organic abnormalities and the role of physical education. Survey of basic statistical procedures and evaluation of tests in physical education. (*Prereq.: 350. Spring*)

365 HEALTH AND PHYSICAL EDUCATION METHODS (K-12)

Teaching procedures, materials and issues. Secondary — 7 weeks, Elementary — 7 weeks. (*Fall*)

399 INTERNSHIP

Consult department chairman.

471 PHYSICAL EDUCATION PROGRAMMING

Curriculum analysis and preparation. Administrative techniques and procedures. (Prereq.: 243, Fall)

472 GYMNASTICS, SWIMMING AND AQUATICS

Theory and techniques of teaching gymnastics, stunts, tumbling, and special fitness activities. Theory and practice in teaching swimming, life-saving and water safety. Open only to majors and minors. (Prereq.: *Swimming competence as determined by pre-test or satisfactory completion of Lifetime Sports — Swimming, Fall*)

482 COACHING OF SPORTS

Theory and techniques of coaching. Prevention and care of athletic injuries. (Spring)

485 APPLIED ADAPTED ACTIVITIES

Course includes consideration of ambulation, self care, adapted sports and games, and swimming for the handicapped. (Prereq.: 350, 351, 352. Summer School only)

491 THERAPEUTIC EXERCISE

A study of the treatment of disease and injury. Includes general principles and adminis-

tration of neuromuscular re-education. (Prereq.: 350, 351, 352. Summer School only)

495 PROFESSIONAL AFFILIATION

Four hundred hours of hospital affiliation at VA Hospital, Fairview Hospital, and Cambridge State Hospital. Includes actual hospital experience in the following four areas of corrective therapy: (1) Psychiatry, (2) Orthopedics, (3) Neurology, (4) Rehabilitation. (Prereq.: 485, 491, and approval of department)

499 INDEPENDENT STUDY

Directed intensive study in the area of Physical Education. Open only to majors. (Junior or senior only)

Health Education**110 PERSONAL AND COMMUNITY HEALTH**

Modern concepts and practices of health and healthful living applied to the individual and the community. (Fall)

111 SAFETY AND DRUG EDUCATION

An analysis of drug abuse and what can be done for the abuses. Also includes American Red Cross First Aid course. (Fall, Spring)

360 SCHOOL HEALTH PROGRAM

Curriculum, organization and administration of the school health program. (Offered alternate years. Prereq.: 110. Fall, 1975)



Chairman: *Kenneth Erickson*

MAJOR: 9 courses, including 245, 351, 362, and 395.

MINOR: 5 courses, including 121, 122, and three courses above 122.

101 ASTRONOMY

A descriptive course requiring elementary algebra. Our solar system, stars and galaxies. The necessary optical instruments are explained and use is made of a 12-inch reflecting telescope, an eight-inch Celestron, as well as a 3-inch Questar. Occasional night viewing. (3 one-hour lectures. Fall, Spring)

103 PHYSICS FOR THE LIFE SCIENCES

An introductory course in which the applications, problems, and experiments are selected not only to illustrate fundamental principles, but also to demonstrate the relevance of physics to the life sciences. The course is designed to serve students in biology, psychology, physical education (therapy programs), medical technology and other health science programs. The course is also a very suitable elective or distribution requirement for the liberal arts student. (3 one-hour lectures, 2-hour laboratory. Fall)

121, 122 GENERAL PHYSICS I, II

A rigorous study of the concepts of mechanics, fluids, heat, sound, optics, electricity and magnetism, and some aspects of modern physics. For majors in physics and other specified majors. Must be taken in sequence. (4 one-hour lectures, 3-hour laboratory. Prereq.: Mathematics 124 or concurrent registration. 121, Fall; 122, Spring)

245 MODERN PHYSICS

An introduction to modern physics from an historical and experimental basis. Relativity, quantum effects, atomic and molecular physics, nuclear and solid state physics. This course indicates the need for, and develops the experimental basis of quantum mechanics. (3 one-hour lectures. Prereq.: 122, Fall)

261 ELECTRONICS

The emphasis is on basic electronic principles and instrumentation. A review of D.C. and A.C. circuits before introducing the electron tube and some circuit applications. The study of solid state diodes, transistors and integrated circuits with applications. (3 one-hour lectures, 3-hour laboratory. Prereq.: 122 or 103 plus Mathematics 122 or 125 and consent of instructor. Spring)

270 OPTICAL PHYSICS

The emphasis is on physical optics, using the complex expression for a wave throughout. Interference, diffraction, polarization, and an introduction to the electromagnetic theory. (3 one-hour lectures, 3-hour laboratory. Prereq.: 122. Fall)

351, 352 MECHANICS I, II

A careful study of classical mechanics in terms of Newton's laws of motion and the Lagrangian and Hamiltonian formalisms. Topics include conservation principles, single particle motion, systems of particles, oscillatory systems, central-force motion, dynamics of rigid bodies, gravitation, kinematics of two-particle systems and noninertial reference frames. (3 one-hour lectures. Prereq.: 122, Mathematics 226. 351, Fall; 352, Spring)

362, 363 ELECTROMAGNETIC FIELDS I, II

The classical electromagnetic field theory is developed using the vector calculus throughout. Electrostatics, magnetostatics, solution of Laplace's and Poisson's equations, electric and magnetic properties of materials, and the theory of electromagnetic radiation based on Maxwell's equations. (3 one-hour lectures. Prereq.: 122, Mathematics 226. 362, Fall; 363, Spring)

395 COMPREHENSIVE LABORATORY

An emphasis on independent laboratory investigations, including participation in physics seminars. Experiments in the areas of mechanics, thermodynamics, electricity, magnetism, and modern physics. (2 three-hour laboratory and 1 seminar hour per week. Prereq.: Junior standing. Spring)

481 THERMAL PHYSICS

The study of properties of systems and processes for which temperature is an important

variable. The subject is developed from two independent yet complementary viewpoints: the experimental, macroscopic classical thermodynamics and the theoretical, microscopic statistical mechanics. (3 one-hour lectures. Prereq.: 351. Spring)

486 QUANTUM MECHANICS

A development from first principles, including de Broglie's postulates, the Schroedinger equation, operators, wavefunctions, expectation values, angular momentum, and approximation methods. Specific problems studied include potential wells and potential barriers, the harmonic oscillator, and the hydrogen atom. (3 one-hour lectures. Prereq.: 245, 351, 352. Fall)

488 TOPICS IN MODERN PHYSICS

The application of quantum mechanics to specific topics chosen from the areas of solid state physics, atomic and molecular physics, nuclear physics, and particle physics. (3 one-hour lectures, three-hour laboratory. Prereq.: 486. Spring)



Department of Political Science

Chairman: *Norma Noonan*

MAJOR: The major in Political Science will consist of 9 courses, plus Social Statistics (Sociology 365): 121 or 122; 158; 384; and at least 5 other upper division courses in 4 out of 5 areas*. A seminar in one of the five areas may be counted for that area.

MINOR: The minor in Political Science will consist of 5 courses, including: 121 or 122; 158; and at least 3 upper division courses in 3 out of 5 areas*.

HONORS MAJOR: The Honors major in Political Science includes the requirements listed above, plus the following: The student's grade-point average must be 3.5 in the major and 2.75 over-all. The student must take an Honors Independent Study and a seminar, and must submit, not later than April 1 of the senior year, an Honors Thesis to be defended before a faculty committee. Students should apply for the Honors Major no later than the first term of the junior year. For specific information, consult the Honors Adviser in the department.

* The five areas are American Government and Politics, Comparative Politics and Analysis, International Politics, Public Law, and Political Theory and Analysis. (Any course listed in more than one area may be counted in *only one area* toward major or minor requirements.)

General Education

Any course may be taken to fulfill the general education requirements but especially appropriate are Political Science 121, 122, 158 or 160.

The Urban Requirement may be filled by Political Science 122, 342 or by an Internship, Independent Study, or Seminar on an urban-related topic.

Students interested in secondary education may take one of the three broad social science options with a concentration in Political Science. See the Department Chairman for more information.

For precise listing of terms in which courses are offered, see the Class Schedule.

I. AMERICAN GOVERNMENT AND POLITICS

121 PRESIDENT, COURT AND CONGRESS

Presidential, congressional and judicial policy-making in the American national political system; contemporary political issues imping-



ing upon and affected by the Presidency, Congress and the Supreme Court.

122 METROPOLITAN COMPLEX

Politics in the urban setting, including important issues, actors, and structures influencing public policy in the modern urban complex. Discussion-lecture, simulation, and meetings with political experts and activists.

325 AMERICAN POSITIVE STATE

The politics of public administration and bureaucratic policy-making in the American welfare-warfare state; governmental regulation, promotion and management, emphasizing political and economic interaction. (*Prereq.: 1 course in Political Science or #*)

326 PARTIES, VOTERS AND ELECTIONS

The electoral process, emphasizing political parties: their development, structure, and relationship to other factors in the process. Field work with parties, pressure groups and other relevant organizations. (*Students may not take BOTH 326 and 356 except by special permission. Offered Fall term of election years. No prerequisite*)

342 MASS COMMUNICATIONS IN SOCIETY

Effects of mass communications on individual behavior; the uses and control of mass media for political and social purposes including public opinion research and political public relations.

356 PUBLIC OPINION AND POLITICAL BEHAVIOR

(*Offered in non-election years. See note under 326. See Section II for description*)

370 CONSTITUTIONAL LAW I

(*Offered alternate years. See Section IV for description*)

371 CONSTITUTIONAL LAW II

(Offered alternate years. See Section IV for description)

421 TOPICS IN AMERICAN POLITICS

Selected themes, including legislative, executive or judicial process, and policy process in American politics; national, urban or state focus; topic to be included in subtitle.

(Prereq.: Two courses in Political Science or #. Offered on demand.)

II. COMPARATIVE POLITICS AND ANALYSIS**158 POLITICAL PATTERNS AND PROCESSES**

An analysis of basic patterns in the political system and decision-making process with some comparison of major political systems and discussion of contemporary issues.

350 COMPARATIVE DEMOCRACIES

The emergence, maintenance and decline of selected democracies, focusing on political behavior, institutions, and processes. *(Prereq.: One course in Political Science or #. Offered alternate years)*

351 COMMUNIST POLITICAL SYSTEMS

A comparative analysis of the Soviet Union and other communist states in terms of political behavior, institutions, processes and policies. *(Prereq.: One course in Political Science or #)*

353 POLITICAL DEVELOPMENT

The modernization process in developing areas with particular attention to the creation, maintenance, and administration of political structures. *(Prereq.: One course in Political Science or #. Offered on demand)*

356 PUBLIC OPINION AND POLITICAL BEHAVIOR

The flow and influence of public opinion and the determinants of voter choice, including study of attitudes, values and personality factors in political behavior. *(Offered in non-election years. See note under 326. Prereq.: One course in Political Science or #.)*

459 TOPICS IN ELITE AND MASS BEHAVIOR

In-depth study of elite and/or mass participation in the political system. *(Offered on demand. Prereq.: #)*

III. INTERNATIONAL POLITICS**160 ISSUES IN WORLD POLITICS**

Contemporary issues and problems in international politics in the context of democratic values and processes; moralism, legalism, and realism in foreign policy.

363 COMMUNIST FOREIGN POLICIES

Analysis of the motivation, formulation, and implementation of foreign policies of Communist nations, with emphasis upon the Soviet Union and China. *(Prereq.: One course in Political Science or #.)*

461 TOPICS IN INTERNATIONAL POLITICS

Selected themes including interpretations of international politics, foreign policy decision-making, simulations of international problems. Topic to be included in subtitle. *(Prereq.: One course in Political Science or #. Offered alternate years.)*

IV. PUBLIC LAW**370 CONSTITUTIONAL LAW I**

The legal-political-philosophical role of the

judiciary in the American constitutional system, emphasizing significant Supreme Court cases involving the United States government and the federal system. (*Prereq.: One course in Political Science or #. Offered alternate years*)

371 CONSTITUTIONAL LAW II

Constitutional limitations of the Bill of Rights and of the Fourteenth Amendment as applied by the Supreme Court to the protection of human rights and civil liberties of individuals. (*Prereq.: One course or #. Offered alternate years.*)

V. POLITICAL THEORY AND ANALYSIS

158 POLITICAL PATTERNS AND PROCESSES

(*See Section II for description*)

380 WESTERN POLITICAL THOUGHT I

Analysis of selected readings from outstanding political philosophers from Plato through the eighteenth century, emphasizing aspects of their thought having continuing significance for an understanding of contemporary political issues and the problems of human society. (*Offered alternate years.*)

381 WESTERN POLITICAL THOUGHT II

Recent political philosophy and ideology, including readings from individualist, anarchist, socialist, elitist, Christian, democratic, conservative and liberal authors. The contemporary search for political processes and structures appropriate to human potentials and limitations. (*Offered alternate years.*)

382 FOUNDATIONS OF COMMUNIST POLITICS

An examination of Marxist-Leninist theories, the development and uses of ideology in con-

temporary Communism, and the impact of historical traditions in the Soviet Union and other communist states. (*Prereq.: One course in Political Science or #. Offered alternate years.*)

384 POLITICAL ANALYSIS

Theory and methods of empirical political analysis, including communications theory, simulation, systems' theory, structural-functionalism, power concepts, psychological and economic approaches to political study, and a survey of the methods common to empirical social science. (*Prereq.: Social Statistics; Political Science 158 or 356; or # .*)

VI. SEMINARS, INDEPENDENT STUDY AND INTERNSHIPS

199 INTERNSHIP

Lower division internship. Consult Internship Supervisor in the department to determine project.

295 LOWER DIVISION SEMINAR

Special topics. Consult department chairman concerning terms and subject matter. (*Offered on demand*)

299 DIRECTED STUDY

Independent study for lower division students. (*Prereq.: #. Fall, Interim, Spring*)

399 INTERNSHIP

Consult Chairman or Internship Director to determine project. (*Prereq.: #. Fall, Interim, Spring*)

495 SEMINAR

Selected topics. Consult department chairman concerning terms and subject matter. (*Prereq.: #*)

499 INDEPENDENT STUDY

Topics defined through consultation between instructor and student. (*Prereq.: #. Fall, Interim, Spring*)



Department of Psychology

Chairman: *Duane Johnson*

MAJOR: 10 courses. Additional supporting courses from other departments will also be required. The major program is planned in consultation with an adviser in the psychology department and approved by the department chairman. Required courses will include 105, 264, 265 and 493. Basic courses to include in preparation for graduate study are 105, 264, 265, 355, 357, 359, 481, and at least one course in Personality or Developmental Psychology. The major program will include 105 in the freshman year, 264 and 265 in the freshman or sophomore year, 493 in the junior or senior year. Beginning the Experimental Psychology sequence (264-265) in the freshman year is recommended. The overall plan will be directed toward a basic understanding of the discipline of psychology and toward the particular educational, vocational, and professional interests and goals of the individual student. A written plan for the major should be completed and approved by the beginning of the junior year. The plan, which may indicate one or more electives in psychology, should be completed early in the sequence of psychology courses. Completion of a written plan later than the beginning of the junior year may delay graduation; early planning is recommended.

It is recommended that psychology majors take some course work from among the

following courses: Biology 103, 111-112, 353, 355, 367, 473, 474, 481; Chemistry 103, 105-106, 115-116, 223; Mathematics 114, 121-122; Computer Science 245, 355; Physics 103, 261. It is recommended that students interested in physiological psychology, comparative psychology, psychological measurement, or experimental psychology include at least three of these courses in their psychology major program.

MINOR: 5 courses including 105. Not more than one course of 299, 399, 499 may be counted toward the minor.

HONORS MAJOR: Students may qualify for honors in psychology with a 3.5 grade point average in the major, a 3.0 grade point average over-all, and completion of a high quality research project culminating the major program. Application for honors consideration is to be made during the junior year.

105 GENERAL PSYCHOLOGY

Methods and approaches used in psychology for the purpose of understanding behavior. Research procedures associated with the study of behavior. A structure of the field of psychology including psychological principles in major sub-areas. (*Fall, Spring*)

264, 265 EXPERIMENTAL PSYCHOLOGY I, II

A two-term sequence including experimentation in human and animal learning, problem solving, social psychology, and sensation-perception. Emphasis will be placed on both statistical and experimental design methodology. Experimental Psychology I may be taken for credit without continuing in Experimental Psychology II. Majors in psychology must take both terms of the two-term sequence; 264 must precede 265; 265 should be taken in the term immediately following 264. (Prereq.: 105. 264, Fall, Spring; 265, Fall, Spring)

299 DIRECTED STUDY

Limited registration by special permission. Specific planning for the study must be completed and approved well in advance of the time of registration.

**351 DEVELOPMENTAL PSYCHOLOGY:
CHILD**

Emphasis on normal child development and behavior. Consideration of theoretical systems used for viewing the developmental sequence and process. Active inquiry into practical implications and applications of data and theory in respect to the development of children. (Prereq.: 105. Fall)

**352 DEVELOPMENTAL PSYCHOLOGY:
ADOLESCENT AND ADULT**

Emphasis on normal development and behavior of the adolescent and adult. Theoretical bases used for building understanding of and appreciation for the developmental process. Active consideration of the

meaning that data and theory have for the development of persons in the adolescent and adult periods of life. (Prereq.: 351. Spring)

355 PHYSIOLOGICAL PSYCHOLOGY

A survey of the physiological and neuroanatomical mechanisms responsible for behavior in animals and humans. Lecture, laboratory, and discussion regarding the fundamentals of neuroanatomy, neurophysiology, and research methods. Emphasis will be given to interactions of the central nervous system with environmental events including the effects of drugs on behavior. (Prereq.: 105 and one course in biology; two courses in biology are recommended. Fall)

356 ANIMAL BEHAVIOR

A broad-based approach to the study of behavior emphasizing the comparison of a wide variety of species from lower animals (invertebrates) through humans. Stress will be placed upon studying animals in their natural habitat and the adaptive behavior patterns which have evolved through interacting with the environment. Major topics will include behavioral evolution, behavioral development, and social behavior in both animals and humans. (Prereq.: 105. Spring)

357 LEARNING

Analysis of behavior and behavioral change including objectives, evaluation, and environmental factors in the learning process. (Prereq.: 105. Fall, Spring)

359 MEASUREMENT

Theory and principles of measurement. Analysis and practicum with achievement, interest, personality, and intelligence tests. (Prereq.: 105. Spring)

361 PERSONALITY

Dynamics of personality with emphasis on behavior that customarily is included in the normal range. Includes consideration of theories of personality. (Prereq.: 105. Fall)

362 BEHAVIOR DISORDERS

Sociological, biological, and psychological factors involved in behavior disorders. Consideration of diagnostic categories, treatment, and research. (Prereq.: 3 courses or 361. Spring)

373 ORGANIZATIONAL PSYCHOLOGY

Dynamics of organizing large groups of individuals into efficient goal-oriented teams. Study of policies and procedures aimed at utilizing and perpetrating individuality; exploration of approaches to selecting and developing the human resource. (Prereq.: 105. Fall)

375 SOCIAL PSYCHOLOGY

See under Department of Sociology. (Does not count toward Natural Science General Education requirement.)

399 INTERNSHIP

Interested students should consult with the departmental internship coordinator regarding requirements and permission to register.

481 HISTORY AND THEORY

History of psychological viewpoints and theoretical positions. Concentration on the development of American psychology. (Prereq.: 2 courses. Offered alternate years)

485 COUNSELING PSYCHOLOGY

Principles, methods, and attitudes involved in the counseling process. Consideration given

to goals and ethical guidelines for a counseling relationship. (Prereq.: 5 courses and senior standing. Spring)

493 SEMINAR: CONTEMPORARY ISSUES

Points of view within behavioral science on contemporary professional and societal issues. Consideration of the approaches and methods of behavioral science in relation to the study of such issues. (Prereq.: 5 courses. Fall, Spring)

498 SEMINAR: RESEARCH PROBLEMS

Individual research in which students select an area of investigation, plan the appropriate design, collect data, and write a research report according to the standards established by the American Psychological Association. Critical review and discussion of individual research projects. (Prereq.: Senior standing and #)

499 INDEPENDENT STUDY

Limited registration by special permission for advanced students in psychology. Student must present a written plan prior to registration including carefully considered rationale and purpose for the proposed study.





Chairman: *Philip A. Quanbeck*

MAJOR: 8 courses including 111, 221, 356, 481 and a seminar especially for majors to be taken in the junior or senior year. Only one interim course may be applied to the major. One upper division New Testament Greek course may be applied to the major. One course required from those numbered 361-363 and one from those numbered 471-475.

HONORS MAJOR: GPA of 3.25 in the major and 3.00 over-all; research project approved by the department and a colloquium with the department.

MINOR: 5 courses. Not more than one interim course may be counted to the minor. Religion 111 or 221 are prerequisite to all other courses.

111 INTRODUCTION TO THEOLOGY

An introduction to the academic discipline of theology and to the dialogue between the church and the world which concerns Christian doctrine. (*Fall, Spring*)

221 BIBLICAL STUDIES

The origin, literary character, and transmission of the biblical documents. The task of biblical interpretation. The history of Israel and the emergence of the church. (*Fall, Spring*)

350 PHILOSOPHY OF RELIGION

See under Department of Philosophy.

352 THEOLOGY AND FORM OF CHRISTIAN WORSHIP

A study of the origin of Christian worship, the

development of the various liturgical traditions and the recent liturgical innovations. Attention will be given to both the theology and the form of worship. Visits will be made to a variety of worship services. (*Fall*)

355 THE STUDY OF RELIGION IN THE PUBLIC SCHOOLS

The history of studying religion in public schools, the problems associated with such efforts, the resources available to the teacher and the actual teaching itself will be examined. The theological, as well as the legal and educational implications will be analyzed and discussed. (*Spring*)

356 HISTORY OF RELIGIONS

A survey of Asian religions; an introduction to the history of religion. An historical survey beginning with pre-historic times and continuing to the present of some of the major religious traditions and forms of faith found in India, China, and Japan (special attention will be given to the Hindu, Buddhist, Taoist, Confucian, and Shinto traditions). The purpose of this survey is to introduce both the variety and the continuity of these traditions and to illuminate what they have meant or mean to their participants, as well as their significance to the rest of mankind.

360 RELIGION AND SOCIETY

An examination of the social sources and structure of religious beliefs and practices. Particular emphasis is given to the study of bureaucracy and its relation to religious systems, and to an exploration of the changing patterns of society and the relationship of these changes to the institutional church. (*Fall*)

361 CHURCH FATHERS

The development of some fundamental doctrines from the time of the Apostolic Fathers through Augustine.

362 THEOLOGY OF THE REFORMERS

An introduction to the theological thought of the Protestant reformers of the sixteenth century. Special attention to the writings of *Martin Luther* and other representative figures. *(Fall)*

363 RELIGION IN AMERICA

A study of the development of religion in America. Special attention to the rise of religious liberty, revivalism, denominations and the responses of religion to the challenges of its envioning culture.

380 MUSIC OF THE WESTERN CHURCH

(See under Department of Music)

471 JESUS AND HIS INTERPRETERS

Consideration of the New Testament Documents, particularly the Gospels, dealing with their content, literary structure and relationships. Attention to the variety of interpretations given the person of Jesus, including the "quest for the historical Jesus." *(Fall)*

472 THEOLOGY OF PAUL

A study of the Apostle Paul including his historical background, his relationship to the early church, and some of the themes to be found in his writings. *(Spring 1975-76)*

473 THE MESSAGE OF THE OLD TESTAMENT

The various types of Old Testament literature. The distinctive ideas of Hebrew thought with

emphasis on the message of the prophets. *(Spring 1976-77)*

475 JUDAISM

A survey of the history of Judaism from the end of the Old Testament period to modern times, with emphasis placed upon the religious development. A special interest in such modern Jewish thinkers as Buber and Heschel. The Jewish Chatauqua Society annually makes a grant to Augsburg College in support of this course in Judaism offered in the religion department. *(Fall)*

481 CONTEMPORARY THEOLOGY

An introduction to some representative trends in Christian theological thought today, as seen from the systematic perspective, in the light of the continuing theological task of the Christian Church. *(Spring)*

482 CONTEMPORARY ROMAN CATHOLIC THEOLOGY

New trends of Roman Catholic theology as expressed in the writings of some of its representatives. Relation of new theological and biblical insights to the dogmatic definitions of the church. *(Fall)*

483 CHRISTIAN ETHICS

The bases of Christian social responsibility, in terms of theological and sociological dynamics. Emphasis on developing a constructive perspective for critical reflection upon moral action. *(Spring)*

495 SEMINAR

Selected topics. Required of majors in the junior or senior year. Others by permission of instructor.

MAJOR: 8 upper division courses.

MINOR: 4 upper division courses.

All programs must contain four courses listed in the Augsburg College catalog or transferred to Augsburg as upper division Scandinavian Language courses, i.e., courses taught by a Scandinavian Language Department or subdepartment regardless of their content which may be linguistic, literary or cultural. Students graduating with a major or minor must also present the equivalent of intermediate level study of a Scandinavian language.

330 CONTEMPORARY SCANDINAVIA

A broad survey of Scandinavian culture with special emphasis on conditions and developments in the twentieth century. Knowledge of a Scandinavian language desirable but not required. (*Offered Fall, 1973*)

331 TOPICS: NORWEGIAN AMERICAN EXPERIENCE

The Old World background and use of "America Fever;" adaptation to the New Land; aspects of Norwegian-American culture.

345 THE UPPER MIDWEST SCANDINAVIAN EXPERIENCE

Concentrates on the immigrant experience in the Midwest with emphasis on Minnesota, especially among Norwegians, Swedes, and Finns. Some attention also given to the Danish and Icelandic Communities in Minnesota. (*Offered Fall, 1974-75, soliciting students from the community on a non-credit basis, as well as regular college students either on an audit or credit basis.*)

351 THE MODERN SCANDINAVIAN NOVEL

Lectures provide a survey of the Scandinavian novel. Class discussion based on assigned reading of selected novels by *Jonas Lie, Sigrid Undset, Selma Lagerlof, Pär Lagerkvist, Knut Hamsun, Halldor Laxness* and others. Knowledge of a Scandinavian language desirable. Language majors and minors will be required to do assigned readings and written work in a Scandinavian language. (*Offered Fall 1974*)

352 THE MODERN SCANDINAVIAN DRAMA

Readings include dramatic works by *Ibsen, Bjornson, Strindberg, Lagerkvist, Munk* and other twentieth century dramatists. Lectures provide a survey of Scandinavian drama with emphasis on *Ibsen* and *Strindberg*. Knowledge of a Scandinavian language desirable. Language majors and minors will be required to do assigned readings and written work in a Scandinavian language. (*Offered Spring 1975*)

360 EDDA AND SAGA

A study of the major poetic and prose eddas of early Scandinavia, including Snorre's *Heimskringla* and the Vinland sagas. Comparative study of *Beowulf*, the *Nibelungenlied*, and the *Chanson de Roland*. Guest lecturers in Old Norse, Norse mythology and other topics. Taught in English. Counts toward Scandinavian Area Studies major when readings and papers are done in a Scandinavian language. (*Offered Spring, 1975*)

372 ORIENTATION TO SCANDINAVIAN LIFE AND CULTURE

Offered under Higher Education Consortium for Urban Affairs.

373 URBANIZATION AND COMMUNITY BUILDING IN MODERN SCANDINAVIA

Offered under Higher Education Consortium for Urban Affairs.

396 HOUSING AND SOCIAL PLANNING IN SCANDINAVIA

Offered under Higher Education Consortium for Urban Affairs.

482 SCANDINAVIAN MUSIC

See description under Department of Music.

495 SEMINAR: ETHNIC/IMMIGRATION EXPERIENCE

See under Department of History.

499 INDEPENDENT STUDY

Social Science

Adviser: *Orloue N. Gisselquist*

This major is particularly designed for those preparing for secondary school teaching in social studies. The requirements for certifications are in the process of being changed. For those graduating after July 1, 1979 a new "competency based" program will be in effect. See Mr. Gisselquist, Social Studies Education Adviser, or the Education Department for further details. The Social Science major is also recommended for others, such as pre-law students who desire a broad major in this area. This major consists of 14 courses, which may be earned in any one of four distributions. A student may not list a double major in Social Science and one of the several component disciplines unless the distribution selected in the Social Science major is significantly different from the other major.

A. HISTORY EMPHASIS

7 courses in history: a distribution of these courses among the fields of American, European, and Non-Western is encouraged — at least 4 of these courses must be upper division and one a seminar; 2 courses in political science; 4 courses: 1 each in geography, anthropology, economics, and sociology; 1 course in the methodology of the social sciences (Political Science 158 or 384, Sociology 365 or 362, 363; Economics 379 or 495).

B. BEHAVIORAL SCIENCE EMPHASIS

1 course in geography; 1 course in anthropology; 2 courses in history; 2 courses

in the methodology of the Social Sciences (Political Science 158 or 384, Sociology 365 or 362, 363, Economics 379 or 495); 7 other courses in economics, political science, and sociology, with at least 2 courses in each discipline and at least 3 upper division courses; 1 additional upper division course in economics, history, political science, psychology or sociology.

C. NON-WESTERN EMPHASIS

8 courses in Non-Western studies, selected from the following, with at least 2 courses in history and 2 courses in political science: History 104, 440, 463, 464, 465, 474, 495; Political Science 351, 353, 461, 363, 382, 495, 499; Religion 356; Philosophy 355.

6 other courses including: History 103; one course in the methodology of the social sciences (Political Science 158 or 384; Economics 379 or 495; Sociology 362, 363 or 365); and 4 additional electives; one each in geography, anthropology, sociology, and economics.

For a Social Science major with a Non-Western emphasis to meet the requirements of the State of Minnesota for a high school teacher of the social studies, there must be among the courses taken at least 7 courses in history or in political science, sociology, economics, anthropology combined.

D. INTERNATIONAL STUDIES EMPHASIS

1 course in each of geography, anthropology, statistics; 11 courses in history, political

science, and economics, with at least 3 in each discipline and at least 5 upper division courses, to be selected from the following: Political Science 158, 160, 350, 351, 353, 461, 363,

381, 382, 495, 499; History 103, 104, 332, 416, 440, 463, 464, 465, 474, 495; Economics 122, 123, 495, 499.



Sociology

Chairman: *Joel Torstenson*

MAJOR IN SOCIOLOGY: 10 courses including 121, 362, 363, 375 and 485. Highly recommended: a CHR course, internship, independent study or upper division interim course in Sociology. This recommendation is made in the hope that the students will take advantage of the variety of learning models offered through the department.

MINOR: 5 courses including 121 and two upper division courses (i.e., 300 and above)

HONORS MAJOR: The student must have a minimum GPA of 3.5 in the major and 2.7 overall. Application for honors in sociology candidacy shall consist of submission of thesis proposal to Department Chairman before April 1 of the junior year. Candidacy is contingent upon departmental approval of proposal by April 30 of junior year. After acceptance as a candidate, the student will register for "Independent Study" (Sociology 499) through which work on thesis will be completed. Honors degree in sociology will be granted to a candidate if he/she successfully defends the thesis before March 31 of senior year and maintains GPA through graduation.

111 HUMAN COMMUNITY AND THE MODERN METROPOLIS

The cultural and structural dynamics of the modern world viewed from the perspective of the metropolitan situation, with a focus on the possibilities of human community in the context of urban institutions and processes. (*Fall, Interim, Spring*)

121 PRINCIPLES OF SOCIOLOGY

Examination of the sociological consciousness. Its applications to an understanding of basic aspects of society: socialization, family life, social inequalities, large-scale institutions, etc. Sociology as an academic discipline and profession. (*Fall, Spring*)

231 SOCIOLOGY OF THE FAMILY

An examination of the paired relationship in mass society; the process of dating and mate selection; marriage and its alternatives; and the dynamics and structure of the family unit. (*Fall, Spring*)

241 INTRODUCTION TO CULTURAL ANTHROPOLOGY

An examination of the idea of culture; the person's relation to culture; language as a major organizing element in the way we see the world. An examination of the ideas of "primitive", "civilized", and "progress"; a comparison of alternate realities as found in different cultures and varying social contexts. An analysis of selected aspects of U. S. culture. (*Fall, Spring*)

300, 301, 302, 303, 304 SPECIAL TOPICS IN SOCIOLOGY

Offered periodically through Augsburg's Conservation of Human Resources (CHR) program. Generally conducted off campus in such places as institutions for adult felons; physically handicapped; emotionally disturb-

ed; and senior citizens. Residents and staff of these institutions take the course together with college students in a co-learning model. Topics will vary depending on needs and interest.

360 RELIGION AND SOCIETY

See under Department of Religion.

362, 363 METHODS OF SOCIOLOGICAL INQUIRY I, II

An integrated two-course sequence in quantitative analysis and sociological research; analysis of attempts to build a body of knowledge by way of a scientific approach; statistical tools and approaches used to evaluate ideas and describe social life; basic problems and procedures of research; use of data processing equipment and computers in sociological research; application of these tools and procedures for program evaluation. Sociology majors are strongly encouraged to take this sequence their junior year. (*Prereq.: 121, high school algebra. Fall, Spring*)

365 SOCIAL STATISTICS

Methods of organizing, comparing and interpreting quantitative information. Use of data processing equipment and computers for statistical analysis. Applications of statistical tools and equipment to basic types of quantitative studies. Not open to sociology majors. Spring term is designed especially for Social Work majors: greater emphasis is placed on a consumer understanding of basic types of social scientific research, especially experimental designs and program evaluations. (*Prereq.: high school algebra. Fall, Spring*)

373 CRIME AND CORRECTIONS

An examination of the criminal and juvenile justice systems and the various theoretical components of criminology and corrections. Major attention is focused on the causation and prevention of crime and delinquency, and

the various modes of treatment. Can be taken as the first course in a sequence which includes the corrections section of SW 461. (*Prereq.: 121. Fall*)

375 SOCIAL PSYCHOLOGY

An examination of the idea of "group", its relationship to individual behavior and society. An analysis of the ideas of "self" and "identity" and what part they play in understanding interpersonal relations and human behavior. A sociological view of mental health. A look at the major assumptions and processes underlying our everyday life — a look at the trivial, the ordinary and the taken-for-granted. "Symbolic Interaction", an important orientation in social psychology, will be used as a way of dealing with the major issues in the course. (*Prereq.: 121 or Psych 105. Fall, Spring*)

381 THE CITY AND METRO-URBAN PLANNING

The changing city in history and various cultures; major theoretical perspectives in urban sociology; the metropolis as an ecosystem; metro-urban planning and policy systems; major issues related to shaping the future metropolis. The Twin Cities metropolitan area is utilized as an important learning laboratory.

383 RACIAL AND MINORITY GROUP RELATIONS

The dimensions of racial and minority group relations. Major attention is focused upon prejudice, racism, and the role of self-understanding. (*Fall, Spring. P/N only*)

387 MODERN SOCIAL ORGANIZATION

Examination of the world of work and large-scale organizations. Analysis of both in light of basic societal characteristics and trends — especially technological development and the increasing rationalization of social life. (*Prereq.: 121. Spring*)

399 INTERNSHIP

Consult the Department Chairman or Internship Director for details. (*Prereq.: #*)

485 MODERN SOCIOLOGICAL THEORY

An examination of the major theoretical traditions within sociology, tracing the course of their development in the nineteenth and twentieth centuries. (*Prereq.: 2 courses in sociology including 121 or #. Fall*)

499 INDEPENDENT STUDY

Student must present written proposal containing rationale, objectives and methodology of the proposed study according to department guidelines. (*Prereq.: 121 and permission of instructor. Fall, Interim, Spring*)

Social Work

Director: *Paul Steen*

The core program of Social Work begins in the junior year, but all students are advised to take Social Work 257 as freshmen or sophomores unless exempted by the faculty.

MAJOR LEADING TO BACHELOR OF SCIENCE DEGREE:

Generally it is recommended that the student follow the plan for a BS degree as providing the better preparation for social work practice. Core program consists of Psychology 105; Sociology 121, 231, 365, 375, and 383; and Social Work 257, 351, 352, 353, 461, 463, and 467. Students may take up to 15 courses in Sociology and Social Work. Recommended courses: One CHR; Economics 122; Political Science 121 or 122 or 325 or 326; Psychology 351, 352, 362.

MAJOR LEADING TO BACHELOR OF ARTS DEGREE:

Students are not advised to choose the BA program unless there are definite plans not to enter social work practice after graduation. The core program consists of the same courses as specified for the BS except that Sociology 231

is not required and only one of Social Work 461 or 463 is required. Students may take a second major, but cannot take a Social Work Specialization. A maximum of 13 courses in Sociology and Social Work is allowed.

SUPPLEMENTAL PROGRAM RECOMMENDED FOR PREPARATION FOR GRADUATE STUDY IN SOCIAL WORK.

Broad preparation in all areas of social science with at least one course in each social science is recommended if graduate training in social work is considered. The following are highly recommended: Economics 122; Political Science (one or more) 121, 122, 158, 325, and 326; Psychology 361 and 362; and Sociology 241, 372, 373, and 375.

SPECIALIZATIONS:

One specialization may be taken in the BS major. The department has capability of offering specializations in Aging, Crime and Corrections, and Youth. A specialization consists of one Sociology course descriptive of dysfunctional and programmatic aspects of the special area, plus field work assignments in two senior year Social Work courses in the area of specialization. Completion of a specialization sequence will be noted on the student's transcript.

257 PRACTICUM IN THE HUMAN SERVICES

With faculty approval, student selects a placement for 30 hours/week as a volunteer in a social agency or institution. Opportunity to know social work professionals, social service delivery systems, and career aspects of the helping vocations. Independent study with a term paper report and weekly review conferences. Especially recommended for freshmen or sophomores. (*Interim*)

351 METHODS AND SKILLS OF SOCIAL WORK

Basic features of the helping process; theoretical foundations, principles and techniques of social work interventive methods,

and practical experience necessary for social work practice with individuals and small groups; development of the student's repertoire of relationship building skills. Two class periods (a lecture-discussion session and a laboratory session) and 6-8 hours field experience per week. (*Prereq.: 257, Junior. Fall*)

352 HUMAN SERVICE ISSUES IN SELECTED AREAS

Seminars consisting of an introduction of the major issues and service delivery structure associated with selected areas of social work practice. Areas include social security, mental retardation, alcohol and chemical dependency, youth, aging, welfare, ecology, and sexism in social work. Field experience of 16 hours per week. (*Prereq.: 351 and Junior, or #. Interim*)

353 SYSTEMS OF SOCIAL WELFARE

An examination of fundamental aspects of the various systems of social welfare in the U.S. and the role of social work in them. Special emphasis on analysis of the major assumptions and movements contributory to the rise of the welfare state; description of the various programs and services of the welfare system; the profession of social work; exploration into the future of welfare. Two class periods and 6-8 hours field experience per week. (*Prereq.: 351 and Junior, or #. Spring*)

461 ADVANCED METHODS AND SKILLS IN SOCIAL WORK

Refinement of practice skills in direct service

social work through field practice, seminar analysis, and regular class work. Examination of the alternatives, modes and submethods in social work. Some emphasis upon development of an eclectic practice style. Attention to professionalism and futurism in social work. 6-8 hours of field work, 2 hours lecture per week. (*Prereq.: 353 or #, Fall. NOTE: Corrections specialists: Prereq. Soc. 373, or #, Spring. Non-majors in this section 461 meet one extra class period per week.*)

463 COMMUNITY DEVELOPMENT AND ORGANIZATION

Locality development and social change through community organization, social planning, and social action. Emphasis on: 1) surveyance of historical forms of social change, 2) understanding the basic issues and strategies relevant to social protest and change, 3) examination of the structure, function and dysfunction of various community organizations and other corporate and political systems, and 4) knowledge of the essential principles and techniques of organizing. (*Fall*)

467 ADVANCED INTERNSHIP IN SOCIAL WORK

Responsibilities assigned as a professional social worker in selected social welfare agency with arranged reflective seminars. (*Prereq.: 461 or 463 and major.*)

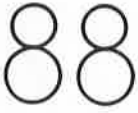


Department of Speech, Communication, and Theater Arts

Chairman: *Raymond Anderson*

COMMUNICATION MAJOR: 10 courses, including: 342, 351 or 352, 354, 399 and English

219. Supporting courses required but not counting toward the major: Speech 111; Philosophy 130; Psychology 105; Sociology 111, 375. Typing ability required.



The communication major is a flexible interdisciplinary program which allows for different emphases — journalism, advertising and public relations, radio-television-film, human relations, and supervisory management. Program guides for each area are available from the Department Chairman or the Office of Admissions.

Prospective majors should contact the department as early as possible to work out a plan for the major and a personal career action plan. Freshmen should take Speech 111, Psychology 105, Sociology 111, and Philosophy 130.

COMMUNICATION MINOR: 5 courses

SPEECH MAJOR: 10 courses to be approved by department.

THEATER ARTS MAJOR: 10 courses, including: 111, 116, 228, 232, 360, 361, 366, 467. A course in cinema arts and 2 courses in dramatic literature may be counted toward a theater arts major. This major should be supported by an English minor or at least by several courses in literature including Shakespeare and Modern Drama or Scandinavian Drama.

Freshmen planning to major in theater arts should take courses 111, 116, and 228.

Experience requirement for theater arts majors: Experience is required in four out of the five following areas: acting, set construction and painting, lighting and sound, costume, house management. Majors should take part in dramatic productions during all four years.

MAJORS FOR TEACHING: Students preparing to teach speech in secondary schools may specialize in any of three majors: speech, theater arts, and speech-theater arts. Any of these must be combined with at least an English minor, preferably a major. The communications major or minor does not qualify one for teaching speech.

SPEECH MAJOR FOR TEACHING: 10 courses, including 111, 241 or 243, 351 or 355, 352, 354,

360, 476. Participation in forensics, and a minor in English.

THEATER ARTS MAJOR FOR TEACHING: 10 courses, including 111, 116, 228, 232, 241 or 243, 360, 361, 366, 467, 476 or a voice and diction course, the experience requirement specified above for theater arts majors, and a minor in English.

SPEECH-THEATER ARTS MAJOR FOR TEACHING: 12 courses. 111, 228, 232, 241 or 243, 351 or 355, 352, 354, 360, 361, 366, 467, 476 or a voice and diction course, and participation in two activities (forensics, interpretation, theater broadcasting), and a minor in English.

SPEECH MINOR FOR TEACHING: course 111 and six of the following: 241 or 243, 351 or 355, 352, 354, 360, 476 and participation in forensics.

THEATER ARTS MINOR FOR TEACHING: courses 111, 228, 232, 360, 361, 366, one of the following: 241, 243, 476, and participation in dramatic productions.

THEATER ARTS MINOR: 5 courses including: 228, 232, 360, 361, 366.

DEPARTMENTAL HONORS: GPA of 3.25 in the major, 3.00 over-all, two independent study projects of honors quality, distinguished performance in at least one of the communication arts, comprehensive examination in field of concentration. Application to be made early in the senior year.

Courses 116 and 476 are strongly recommended for all students in elementary education.

111 BEGINNING SPEECH

Basic problems of effective speaking and critical listening. (*Fall, Spring*)

116 CREATIVE DRAMATICS

Techniques, observation, and practice in story telling and creative dramatics. Recommended

for elementary and secondary school teachers and recreation leaders. *(Fall)*

132 PHOTOGRAPHY

See under Department of Art.

219 ADVANCED WRITING: JOURNALISM

See under Department of English.

225, 230 VISUAL COMMUNICATIONS I, II

See under Department of Art.

228 STAGECRAFT

Construction, painting, and other aspects of scenery preparation. Open to all students. Should be taken in freshman or sophomore year. *(Fall)*

232 ACTING

An introduction to the art of acting. Practical work in pantomime and improvisation; participation in dramatic presentations. *(Spring)*

241 INTRODUCTION TO CINEMA ART

See under Department of English.

242 FILM-MAKING

See under Department of Art.

243 RADIO-TELEVISION PRODUCTION

Practical experience in the production of radio and television programs of diverse kinds: news programs, talk shows, documentaries, and drama in both media, noting the restrictions and specialties of each form. *(Fall)*

342 MASS COMMUNICATIONS IN SOCIETY

See under Department of Political Science.

351 ARGUMENTATION

Application of logic in public speaking, discussion, and debates. *(Fall)*

352 PERSUASION

Theory of persuasion and propaganda, practical work in speech and promotional projects. *(Spring)*

353 ADVERTISING

An introduction to print and broadcast advertising and promotion as important elements in modern marketing and communications. *(Spring)*

354 INTERPERSONAL COMMUNICATION

A study of the dynamics of human interaction through verbal and non-verbal messages; emphasis on factors that build relationships and help to overcome communication barriers. *(Spring)*

355 GROUP LEADERSHIP AND DISCUSSION

Theories of group leadership; principles and types of discussion; practice in discussion techniques. *(Fall)*

360 INTERPRETATIVE READING

Basic principles of oral interpretation of literature. Practice in reading prose, poetry, and drama. *(Fall)*

361 THEATER HISTORY

An introduction to history of the theater and to theories of drama and dramatic production. *(Fall)*

366 STAGE DIRECTION

Theory and practice of stage direction with laboratory exercises in planning productions and conducting rehearsals. Open to upper division students only. *(Spring)*

373 ORGANIZATIONAL PSYCHOLOGY

See under Department of Psychology.

399 INTERNSHIP

Consult the Department Chairman for details.

467 LIGHTING AND SCENE DESIGN

History, theory, and practice of stage lighting and scene design. (*Prereq.: 228 or #. Spring*)

476 SPEECH PATHOLOGY

Physical and psychological factors underlying normal and abnormal speech. An introduction to principles and methods of speech correction. (*Spring*)

480 SEMINAR IN COMMUNICATION

Cooperative investigation of topics in speech and communication. (*Fall*)

495 INDEPENDENT STUDY IN COMMUNICATION

Selected topics in speech and communication, with emphasis on the use of primary sources and methodology of research. (*Fall, Spring*)

499 INDEPENDENT STUDY IN DRAMA

Individual projects in oral interpretation and theater. (*Fall, Spring*)

a Transdisciplinary Major

A student who wishes to follow an individually designed major may do so under the title: Transdisciplinary major. Although this major may not be well suited for students who plan to pursue graduate studies, it does enable them to obtain a broad major with concentration in two or more areas. The major must include at least two-thirds of the number of

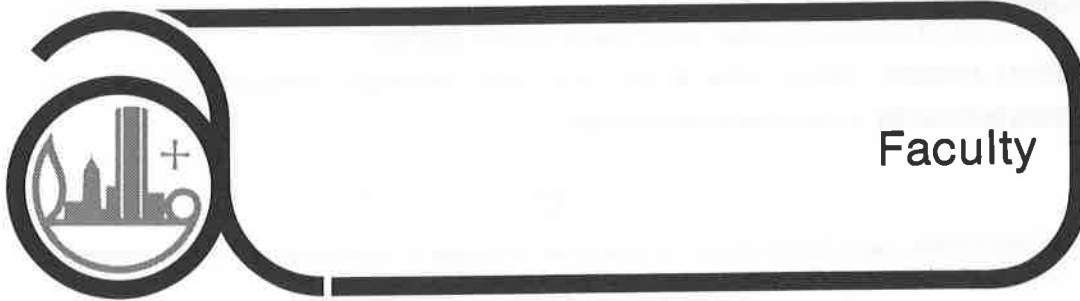
courses required in each of two major fields offered at the college. Students who plan to obtain a transdisciplinary major must sign a contract for such a major prior to the end of their sophomore year. The contract must be approved by their adviser and by the Committee on Admissions and Student Standing.

Total Student Enrollment

Academic Year, 1974-75.....	1,827
Summer Session, 1975.....	413

Summary of Graduates

Graduates, 1870-1974.....	6,051
Graduates, 1975 (August 31, 1974 - May 18, 1975).....	264



A

RUTH AASKOV, Associate Professor of Foreign Language, Ph.D. 1970, University of Wisconsin
(*French*). Department Chairman

COURTLAND AGRE, Professor of Chemistry, Ph.D. 1937, University of Minnesota

* **JAMES AGRE**, Soccer Coach

MARY ALEXANDER, Assistant Professor of Education, M.A. 1966, Kansas State University
(*Secondary Education*)

* **WARREN ALM**, Artist in Residence in Music (*Lower Brass*)

EARL ALTON, Professor of Chemistry, Ph.D. 1961, University of Michigan, Department
Chairman

LYLA MAE ANDEREGG, Assistant Professor of Psychology and Speech, M.A. 1947,
Northwestern University

BARBARA ANDERSEN, Assistant Professor of English, M.A. 1954, Northwestern University,
Department Chairman

ERNEST ANDERSON, Professor of Health and Physical Education, M.Ed. 1947, University of
Minnesota, Department Chairman

* **MARGARET J. ANDERSON**, Librarian, Assistant Professor, M.A. 1970, University of Minnesota

OSCAR A. ANDERSON, President of the College, B.D. 1942, Luther Theological Seminary; L.L.D.
1963, Concordia College

RAYMOND E. ANDERSON, Professor of Speech, Ph.D. 1959, University of Minnesota
(*Communications*), Department Chairman

* **JOSEPH AVENT**, Adjunct Faculty, American Studies

B

KENNETH C. BAILEY, Professor of Philosophy, Ph.D. 1960, University of Minnesota (*Philosophy*)

* **RABBI STEPHAN BARACK**, Visiting Professor of Religion

JOHN E. BENSON, Associate Professor of Religion, Ph.D. 1967, Columbia University

* **ROBERT E. BEVERLEY**, Assistant Professor of Music, M.M. 1948, Northwestern University
(*Woodwind*)

* **JAMES BILLINGS**, Lecturer in Economics, M.A. 1967, University of Minnesota

VERN BLOOM, Director of the Conservation of Human Resources Program, M.S.W. 1959, University of Minnesota (*Urban and Criminal Justice Studies*)

LOWELL BRANDT, College Pastor, M. Div. 1970, Luther Theological Seminary

***JAMES BURTNES**, Visiting Professor of Religion

C

WILLIAM CARIS, Associate Professor of Health and Physical Education, M.A. 1952, University of Iowa (*Head Football Coach*)

JAMES CARLSON, Assistant Professor of Music, Ph.D. 1972, Indiana University (*Director of the Augsburg Concert Band and the Jazz Ensemble*)

CARL H. CHRISLOCK, Professor of History, Ph.D. 1955, University of Minnesota

BERNHARD M. CHRISTENSEN, President Emeritus, Ph.D. 1929, The Hartford Seminary Foundation

ROBERT W. CLYDE, Associate Professor, Ph.D. 1964, University of Iowa (*Director of the Social Science Research Center*)

AILENE COLE, Associate Professor of Speech, Ph.D. 1974, University of Minnesota (*Theater Arts*)

D

K. BERNER DAHLEN, Associate Professor Emeritus, M.A. 1940, University of Minnesota

F. MARK DAVIS, Associate Dean of the Faculty and Director of Special Programs, Ph.D. 1966, Duke University

BEVERLY C. DURKEE, Associate Professor of Mathematics, Ph.D. 1972, Arizona State University

***CATHY DYE**, Tennis and Basketball Coach for Women, B.S. 1973, University of Minnesota

GRACE B. DYRUD, Professor of Psychology, Ph.D. 1963, University of Minnesota

E

***EDGAR E. EKLOF**, Artist in Residence in Music, M.M. 1956, Manhattan School of Music (*Voice*)

***ROBERT ENGELSON**, Director of the Choral Club, B.A. 1972, Augsburg College

***KENNETH N. ERICKSON**, Associate Professor of Physics, Ph.D. 1970, Colorado State University
Department Chairman

***LINDA H. ERICKSON**, Instructor in Philosophy, M.A. 1966, University of Hawaii

MARGARET ETTER, Assistant Professor of Chemistry, Ph.D. 1974, University of Minnesota

F

SHELDON FARDIG, Associate Professor of Education, Ph.D. 1966, Northwestern University

NORMAN B. L. FERGUSON, Assistant Professor of Psychology, Ph.D. 1972, University of Wisconsin

HENRY G. FOLLINGSTAD, Assistant Professor of Mathematics, M.A. 1971, University of Minnesota

BURTON P. FOSSE, Vice President for Finance and Management, B.B.A., B.M.E. 1949, University of Minnesota

* **ROBERT FRIEDERICHSEN**, Lecturer in Art, M.A. 1970, Penn State University

MARK FUEHRER, Assistant Professor of Philosophy, Ph.D. 1974, University of Minnesota

G

STEPHEN M. GABRIELSEN, Assistant Professor of Music, M.A. 1966, University of Minnesota
(*Organ*)

JERRY GERASIMO, Associate Professor of Sociology, Ph.D. 1966, University of Chicago

BRUCE L. GILDSETH, Executive Assistant to the President and Director of Planning, Ph.D. 1968, University of Minnesota

ORLOUE GISSELQUIST, Associate Professor of History, Ph.D. 1968, University of Minnesota

ROBERT GRAMS, Assistant Professor of Sociology, B.A. 1969, Augsburg College

* **JOHN GRYGELKO**, Wrestling Coach

DEAN B. GULDEN, Associate Professor of Mathematics, M.S. 1967, University of Minnesota,
Department Chairman

DONALD R. GUSTAFSON, Associate Professor of History, Ph.D. 1969, University of Wisconsin

ARLIN E. GYBERG, Associate Professor of Chemistry, Ph.D. 1969, University of Minnesota

H

LEIF E. HANSEN, Assistant Professor of Scandinavian Area Studies, M.A. 1950, University of Minnesota
(*Norwegian*)

RAY HANSON, Instructor in Chemistry, Ph.D. 1971, University of New Mexico

THEODORE J. HANWICK, Professor of Physics, Ph.D. 1950, New York University

* **JAMES HAUGEN**, Assistant Football Coach

MILDA HEDBLUM, Assistant Professor of Political Science, Ph.D. 1973, University of Minnesota

* **DOUGLAS HEIDENREICH**, Lecturer in Business Law, L.L.B. 1961, William Mitchell College of Law
(*Business Law*)

MELVIN HELLAND, Professor Emeritus, Ph.D. 1930, The Hartford Seminary Foundation

* **KATHERINE A. HENNIG**, Artist in Residence in Music, M.A. 1956, University of Minnesota
(*Voice*)

ROBERT S. HERFORTH, Associate Professor of Biology, Ph.D. 1968, University of Nebraska

NORMAN D. HOLEN, Associate Professor of Art, M.F.A. 1962, University of Iowa (*Sculpture*)

JOHN R. HOLUM, Professor of Chemistry, Ph.D. 1954, University of Minnesota

I

ERVIN INNIGER, Instructor of Health and Physical Education and Director of Intramural Activities, B.S. 1967, Indiana University (*Head Basketball Coach*)

J

***VALIJA JAUNLININS**, Assistant Professor of Foreign Language, M.A. 1964, University of Minnesota (*German*)

***I. KHIN KHIN JENSEN**, Associate Professor of History, Ph.D. 1956, University of Wisconsin - Madison

MILDRED V. JOEL, Acting Dean of the College, M.A. 1947, University of Minnesota

DUANE E. JOHNSON, Associate Professor of Psychology, Ph.D. 1967, University of Minnesota, Department Chairman

EINAR O. JOHNSON, Professor of Education, Ph.D. 1961, University of Washington

GLEN W. JOHNSON, Vice President for Institutional Advancement, B.S.E. 1952, University of Nebraska, and B.D. 1959, Luther Theological Seminary

JAMES D. JOHNSON, Assistant Professor of Music, M.S. 1958, Juilliard School of Music (*Piano*)

MARY E. JOHNSON, Associate Professor of Foreign Language, M.A. 1950, Columbia University, M.A. 1970, University of Minnesota (*French*)

SAMUEL JOHNSON, Lecturer in Sociology, M.A. 1970, Colgate University

K

AMIN KADER, Assistant Professor of Business Administration, M.B.A. 1965, University of Michigan

IDAR KAREVOLD, Visiting Professor of Music, M.M. 1969, De Pauw University

ROBERT KARLEN, Associate Professor of Music, M.A. 1959, University of Minnesota, (*Director of the Augsburg Orchestra*), Department Chairman

***JAMES KINCANNON**, Lecturer in Psychology, Ph.D. 1967, University of Minnesota

MARY MARIE KINGSLEY, Assistant Professor of Foreign Language, M.A. 1964, Middlebury College (*Spanish*)

BERNHARDT J. KLEVEN, Professor Emeritus, Ph.D. 1941, University of Minnesota

BOYD KOEHLER, Librarian, Assistant Professor. M.A. 1967, University of Minnesota

L

***ROY H. LAFAYETTE**, Lecturer in Business Administration, B.S.B. 1965, University of Minnesota

ROBERTA LAMMERS, Assistant Professor of Biology, M.S. 1971, University of Minnesota

LORRAINE K. LIVINGSTON, Assistant Professor of English, M.A. 1932, University of Minnesota

GERTRUDE S. LUND, Associate Professor of Business Education, M.A. 1951, University of Minnesota

M

- * **SANDRA MALKES**, Instructor in Psychology, M.S.W. 1975, University of Minnesota
- RICHARD MARKEN**, Assistant Professor of Psychology, Ph.D. 1973, University of California - Santa Barbara
- KEISHIRO MATSUMOTO**, Assistant Professor of Business Administration, M.B.A. 1965, University of Michigan
- MARTHA M. MATTSON**, Associate Professor Emeritus, M.A. 1932, University of Minnesota
- * **MARVIN McCOY**, Artist in Residence in Music (*French Horn*)
- * **MARIE O. McNEFF**, Associate Professor of Education, Ed.D. 1967, University of Nebraska (*Elementary Education*)
- * **ANN MEISSNER**, Director of Nursing Education, Ph.D. 1964, University of Wisconsin - Madison, M.P.H. 1969, University of California - Berkeley
- DIANA LEE METZKER**, Assistant Professor of Music, M.A. 1969, University of Minnesota (*Organ, Piano*)
- * **ROBERTA METZLER**, Assistant Professor of Music, M.M.Ed. 1971, University of Kansas (*Music Therapy*)
- ERWIN D. MICKELBERG**, Associate Professor of Biology, M.A. 1964, University of Minnesota
- JOHN R. MITCHELL**, Assistant Professor of English, M.A. 1971, University of Tennessee
- * **AUGUST MOLDER**, Artist in Residence in Art, LL.D. 1944, University of Tartu, Estonia (*Stained Glass*)
- * **JON E. MONDA**, Lecturer in Music Education, B.Mu.Ed. 1965, MacPhail College of Music
- PETER MORICI, JR.**, Assistant Professor of Economics, Ph.D. 1974, University of New York at Albany

N

- ARTHUR NASH**, Professor Emeritus, Ph.D. 1938, University of Minnesota
- EDOR C. NELSON**, Associate Professor of Health and Physical Education, M.Ed. 1947, University of Minnesota (*Head Baseball Coach*)
- GORDON L. NELSON**, Assistant Professor of Sociology, Ph.D. 1972, University of Chicago
- RICHARD C. NELSON**, Assistant Professor of History, M.A. 1967, University of Minnesota, Department Chairman
- * **CATHERINE NICHOLL**, Assistant Professor of English, Ph.D. 1971, University of Minnesota
- GRIER NICHOLL**, Professor of English, Ph.D. 1964, University of Minnesota (*American Studies*)
- NORMA C. NOONAN**, Professor of Political Science, Ph.D. 1965, Indiana University, Department Chairman

O

- * **CELESTE O'BRIEN**, Artist in Residence in Music (*Piano*), B.A., Hamline University
- DOUGLAS J. OLLILA**, Professor of Religion, Th.D. 1963, Boston University
- ESTHER J. OLSON**, Professor of Speech, Ph.D. 1956, University of Minnesota (*Theater Arts*)

* **DAVID O'STEEN**, Visiting Associate Professor of Mathematics, Ph.D. 1971, University of Houston

WILLIAM OYLER, Assistant Professor of Foreign Language, M.A. 1963, University of Minnesota
(*German*)

P

RONALD G. PALOSAARI, Associate Professor of English, Ph.D. 1970, University of Minnesota

PATRICIA PARKER, Associate Professor of Library Science and Director of Summer School,
Ph.D. 1974, University of Minnesota

KERMIT E. PAULSON, Assistant Professor of Physics, M.S. 1963, University of Wisconsin -
Madison

ANNE PEDERSON, Professor Emeritus, M.A. 1945, University of Minnesota

LAURETTA PELTON, Assistant Professor of Education, M.Ed. 1966, Marquette University,
Department Chairman

WARREN L. PERSONS, Assistant Professor of Mathematics, M.A. 1968, University of Wisconsin

LaVONNE PETERSON, Associate Professor of Health and Physical Education, M.A. 1953,
Montana State University

JOYCE PFAFF, Assistant Professor of Health and Physical Education, M.Ed. 1969, University of
Minnesota

* **ALICE PREVES**, Artist in Residence in Music, M.S. 1964, University of Illinois - Urbana (*String
Instruments*)

Q

MARTIN QUANBECK, Professor Emeritus, Ph.D. 1952, University of Minnesota

PHILIP A. QUANBECK, Professor of Religion, Ph.D. 1958, Princeton Theological Seminary,
Department Chairman

R

BRUCE R. REICHENBACH, Associate Professor of Philosophy, Ph.D. 1968, Northwestern
University, Department Chairman

STEVEN F. REUTER, Instructor of Education, M.Ed. 1972, University of Nebraska (*Elementary
Education*)

* **JOHN F. RILEY**, Associate Professor of Religion, Ph.D. 1964, Catholic University of America

GUNTA ROZENTALS, Associate Professor of Foreign Language, Ph.D. 1968, University of
Minnesota (*Spanish*)

S

EDWARD M. SABELLA, Associate Professor of Economics, Ph.D. 1971, University of Minnesota,
Department Chairman

- * **DANIEL R. SABIA**, Instructor in Political Science, B.A. 1970, State University of New York at Albany
- MARIANNE SANDER**, Vice President for Student Affairs, M.A. 1969, University of Minnesota
- RICHARD B. SARGENT**, Assistant Professor of English, Ph.D. 1974, University of Exeter (England)
- LELAND B. SATEREN**, Professor of Music, L.H.D. 1965, Gettysburg College, and D.Mus. 1965, Lakeland College (*Director of the Augsburg Choir*)
- EDWIN J. SAUGESTAD**, Associate Professor of Health and Physical Education, M.A. 1964, University of Minnesota (*Head Hockey Coach*)
- * **IRENE SCHILLING**, Librarian I, M.A. 1973, University of Minnesota (*Library Science*)
- MARJORIE H. SIBLEY**, Head Librarian, Assistant Professor, M.A. 1943, University of Illinois, and M.A. 1961, University of Minnesota
- * **DENNIS SJOGREN**, Teaching Assistant in Biology
- EUGENE SKIBBE**, Professor of Religion, D.Th. 1962, University of Heidelberg (*Germany*)
- * **DANA SKOGLUND**, Artist in Residence in Music, (*Piano*) B.M. 1975, Augsburg College
- * **EMMA SMALL**, Artist in Residence in Music (*Voice*)
- * **PAUL SONNACK**, Visiting Professor of Religion, M.A. 1960, University of Chicago
- * **SOTERIOS STAVROU**, Instructor in Greek, B.A. 1966, Augsburg College
- PAUL T. STEEN**, Professor of Sociology, Ph.D. 1962, University of Minnesota (*Social Work*)
- * **CARROLL I. STEIN**, Lecturer in Psychology, Ph.D. 1966, University of Minnesota
- DONALD B. STEINMETZ**, Associate Professor of Foreign Language, Ph.D. 1973, University of Minnesota (*German, Linguistics*)
- MYLES C. STENSHOEL**, Professor of Political Science, Ph.D. 1965, University of Colorado
- GRACE KEMMER SULERUD**, Librarian, Assistant Professor, M.A. 1968, M.A. 1970, University of Minnesota
- RALPH SULERUD**, Professor of Biology, Ph.D. 1968, University of Nebraska
- * **JEROME SULLIVAN**, Assistant Football Coach

T

- * **JAMES ten BENSEL**, Visiting Instructor in Music
- PHILIP J. THOMPSON**, Professor of Art, M.F.A. 1958, University of Iowa (*Painting*), Department Chairman
- TONI THORNTON**, Assistant Professor of English, Ph.D. 1973, University of California - Santa Barbara
- NEAL O. THORPE**, Associate Professor of Biology, Ph.D. 1965, University of Wisconsin - Madison, Department Chairman
- JOHN THUT**, Associate Professor Emeritus, M.Mus. 1934, American Conservatory of Music
- VERA THUT**, Instructor Emeritus, B.Mus. 1927, American Conservatory of Music
- * **MARY TIMM**, Power Volleyball Coach
- JOEL S. TORSTENSON**, Professor of Sociology, Ph.D. 1959, University of Minnesota (*Metro-Urban Studies*), Department Chairman

W

ANTHONY WAGNER, Assistant Professor of Sociology/Social Work, M.S.W. 1973, University of Minnesota

BEVERLY A. WEGGE, Acting Registrar, M.A. 1974, University of Minnesota

* **DOROTHY WILLIAMSON**, Lecturer in Art, M.A. 1963, University of Minnesota

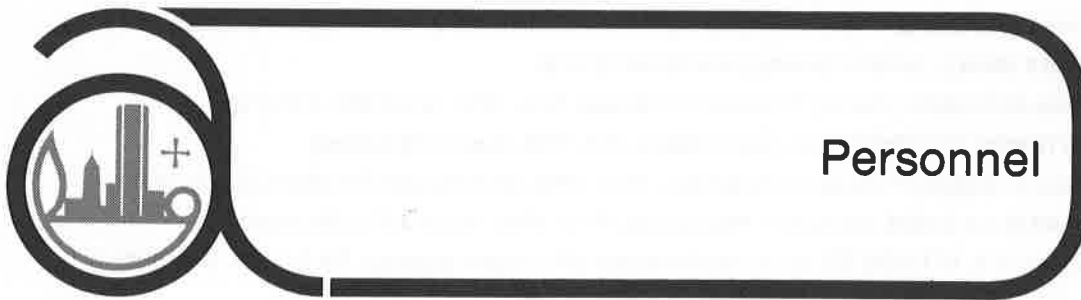
* **MARY WILSON**, Artist in Residence in Music, B.A. 1938, Macalester College (*Flute*)

DAVID C. WOOD, Associate Professor of English, Ph.D. 1969, Bowling Green State University

* **STEVEN WRIGHT**, Artist in Residence in Music (*Brass*)

* **PAUL WYATT**, Teaching Assistant in Chemistry

* Part-time



Personnel

Administration

President.....	Oscar A. Anderson
College Pastor.....	Lowell Brandt

FINANCE AND MANAGEMENT

Vice President for Finance and Management.....	Burton P. Fosse
Controller.....	Wayne Pederson
Director of Plant Services and Purchasing.....	Eugene Ecklund
Director of Food Services.....	Carl Stromer
Director of Data Processing.....	David Beardasley
Director of Auxiliary Services.....	Douglas P. Wasko
Manager, Book Store.....	Robert Gores
Director of Student Financial Services.....	Herald Johnson
Director of Personnel.....	Charles Gerster
Administrative Assistant for Operations and Programs.....	Mildred Nelson
Manager, Graphic Center.....	Therese Morrison
Manager, Ice Arena.....	Doug Smestad
Ice Arena Assistant Manager.....	James Carey
Custodial Supervisor.....	Joseph Roberts
Maintenance Supervisor.....	Edwin Hovey
Grounds Supervisor.....	Dennis Easley

ACADEMIC AFFAIRS

Acting Dean of the College	Mildred Joel
Associate Dean of the Faculty and Director of Special Programs	F. Mark Davis
Acting Registrar	Beverly Wegge
Head Librarian	Marjorie Sibley
Director of Audio Visual Services	James Olson
Coordinator, New Dimensions Program	Louise McColl
Fine Arts Manager	Cynthia Mandl

DEVELOPMENT

Vice President for Institutional Advancement	Glen W. Johnson
Director of Deferred Giving	Sigvald Hjelmeland
Director of Development	Donald A. Christenson
Director of Alumni and Parents Programs	Jeroy Carlson
Office Manager	Irene Steenson

Public Relations

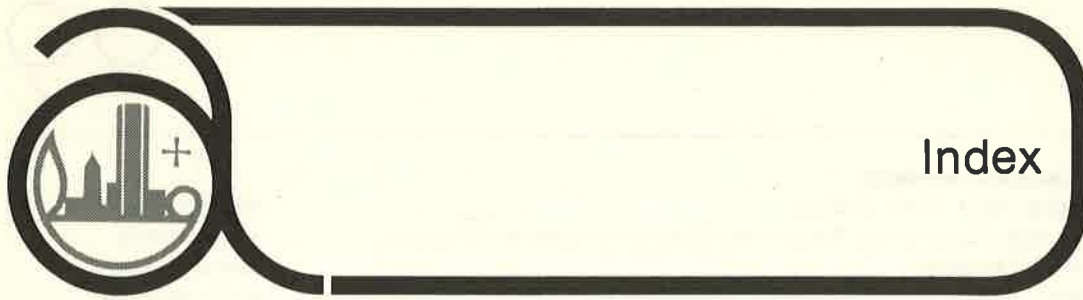
Director of Public Relations	James H. Dock
Director of Constituency Relations	Michael Walgren
Publications Coordinator	Darralu Lindholm

Admissions

Director of Admissions	Donald E. Webber
Assistant Director of Admissions	Dave Benzel
Director of Transfer Programs	Barb J. Lundberg
Admissions Counselor	Kathryn Lange
Admissions Counselor	Raymond Dahlof
Admissions Counselor	Susan Burzynski

Student Affairs

Vice President for Student Affairs	Marianne Sander
Associate Dean of Students	Richard Thoni
Director of Residence Programs	Tod Hanson
Director of Career Planning and Placement	Pat Olsson
Director of Student Programs	Joel Mugge
Coordinator of Minority Affairs	Ralph Crowder
Director of College Center Program and Student Activities	Debra Bergh



Index

Academic Administration	25	Greek	55
Academic Life	11	Health Education	71
Accreditation	7	History of Augsburg College	6
Administration	98	History, Department of	57
Admission to the College	19	Honors Program	14
Advanced Placement	20	Housing	17
Advanced Standing	20	Identification	6
American Studies	30	Independent Study	28
Anthropology	84	Inter-Institutional Programs	12
Art, Department of	31	Intercollegiate Athletics	16
Bachelor of Music Degree	15, 63	Journalism	48
Biology, Department of	33	Library Science	46
Board, Cost of	23	Location	6
Business Administration	35	Majors	12
Business Education	37	Mathematics, Department of	60
Calendar	11	Medical Technology	13, 62
Campus	7	Metro-Urban Studies	62
Campus Map	8	Metro-Urban Studies Internship Program (MUSIP)	15
Chemistry, Department of	40	Music, Department of	63
Chinese	51	Music Therapy	63
Classification	29	Nature and Objectives of Augsburg	6
Communications	87	Natural Science	66
Computer Science	62	New Dimensions Program	17
Conservation of Human Resources (CHR)	13	Norwegian	55
Corrective Therapy	13, 70	Numbering of Courses	29
Courses of Study	29, 30	Nursing	67
Course Descriptions	30	Personnel of the College	98
Credit by Examination	29	Pre-Professional Training	12
Degrees	15	Philosophy, Department of	67
Divisional Organization	26	Physical Education	70
Early Admission	20	Physics, Department of	72
Early Decision	20	Political Science, Department of	73
East Asian Studies	42	Probation and Dismissal	27
Economics	38	Psychology, Department of	77
Education, Department of	43	Recreation	16
Education, Elementary	43	Refunds	23
Education, Secondary	44	Registration	26
Engineering	13, 47	Religion, Department of	80
English, Department of	47	Religious Life	16
Enrollment	90	Room Costs	23
Expenses	22	Scandinavian Area Studies	82
Faculty	11, 91	Social Science Majors	83
Financial Aid	21	Social Work	86
Financial Information	22	Sociology, Department of	84
Five College Cooperative	12	Spanish	56
Food Service	18	Speech, Department of	87
French	51	Student Life	16
Foreign Languages	50	Student Services	16
Full-Time Student Defined	26	Summer School	14
General Education Requirements	74	Study Abroad	14
Geography	60	Symbol (#)	29, 30
German	53	Theater Arts	87
Grading	27	Transdisciplinary Major	90
Graduates (1870-1974)	90	Transfer to Augsburg	19, 20
Graduates, Summary of	90	Tuition and Fees	22
Graduation Requirements	25	Visiting the Campus	7
Graduation With Distinction	28		

Page numbers followed by the letter "a" refer only to pages in the Student Prospectus. If you do not have a Prospectus, write the Office of Admissions, Augsburg College, 731 21st Avenue South, Minneapolis, Minnesota 55454, for a copy.

Academic Calendar for 1976-77

(Tentative: Subject to Change)

Fall Semester 1976

Sept. 7-8
 Sept. 9
 Sept. 22
 Oct. 25
 Nov. 24
 Nov. 25-28
 Nov. 29
 Dec. 10
 Dec. 13-17
 Dec. 18-Jan. 2

Registration and Welcome Days
 Classes Begin
 Last Day For Adding Classes
 Veteran's Day - No Classes
 Classes Close at End of Day
 Thanksgiving Holidays
 Classes Resume
 Classes End
 Final Exams
 Christmas Holidays

January Interim 1977

Jan. 3
 Jan. 28

Interim Begins
 Interim Ends

Spring Semester 1977

Feb. 1
 Feb. 2
 Feb. 11
 March 14
 April 6
 April 7-11
 April 12
 April 22
 May 13
 May 16-20
 May 22

Confirmation of Spring Registration
 Classes Begin
 Last Day For Adding Classes
 Mid-Term Break
 Classes close at end of Day
 Easter Holidays
 Classes Resume
 Last Day for Cancelling Classes
 Classes End
 Final Exams
 Baccalaureate and Commencement

1976						
S	M	T	W	T	F	S
JANUARY						
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
FEBRUARY						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						
MARCH						
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			
APRIL						
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	
MAY						
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
JUNE						
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			
JULY						
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
AUGUST						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
SEPTEMBER						
1	2	3	4			
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		
OCTOBER						
1	2					
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
NOVEMBER						
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				
DECEMBER						
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

1977						
S	M	T	W	T	F	S
JANUARY						
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
FEBRUARY						
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					
MARCH						
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		
APRIL						
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
MAY						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
JUNE						
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		
JULY						
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
AUGUST						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
SEPTEMBER						
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	
OCTOBER						
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
NOVEMBER						
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			
DECEMBER						
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



Second class postage paid
at Minneapolis, Minnesota

Augsburg College Now