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UNIVERSITY
OF MINNESOTA
MORRIS BULLETIN

1977-1979
JUNE 1, 1977

MORRIS GENERAL BULLETIN



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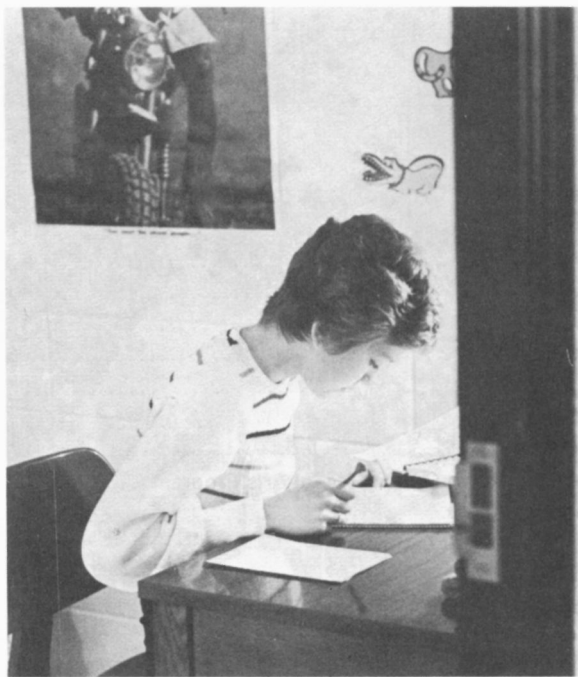
Morris General Bulletin

UNIVERSITY OF MINNESOTA, MORRIS



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University of Minnesota, Morris

I. GENERAL INFORMATION

The University of Minnesota, Morris (UMM), created by action of the Board of Regents of the University of Minnesota in October 1959, is a 4-year liberal arts college occupying a spacious campus adjacent to the community of Morris in Stevens County, Minnesota. As a coordinate campus of the University, the academic programs of the University of Minnesota, Morris are formulated within the framework of policies and philosophy established for the University by the Board of Regents. Administrative responsibility for the collegiate program rests with the provost of the Morris campus, who reports directly to the president of the University.

As one of the University's three liberal arts colleges, UMM shares the major objectives of the University as a whole—instruction, research, and service—and provides a program in liberal arts disciplines fundamental to each of these objectives. Its collegiate program has been developed within the liberal arts concept of a broad academic curriculum dedicated to providing students with a foundation in the three basic areas of knowledge—humanities, natural sciences, and social sciences. In addition, the curriculum offers basic preparation for most of the professions and for students intending to enter business, teaching, the creative arts, or any of several specialized occupational areas.

The central mission of the Morris campus is the cultivation of critical intellect, creative expression, and humane sensibility in a context that affirms their immediacy and their integral importance to successful life and work. These qualities, together with its size, flexibility in formulating program and policy, and an intense commitment to a spirit of community, provide UMM with its special institutional character. UMM provides the liberal arts experience within a community dedicated to reflecting the scholarly and creative growth of its members in the daily life of the institution itself.

Two major concepts guide students and faculty in building this kind of institution:

The Relationship of Freedom and Responsibility—The educational process is most meaningful when the setting of goals and the continuing appraisal of their achievement remains an individual responsibility. A person who assumes the responsibility for making choices that are personally important increases the opportunity to gain the capacity to make such choices wisely.

The Meaning of Freedom and Responsibility in Community—Personal autonomy is conditioned by the mutual needs of people in complex relationships. Within a context of interdependence, the need of the individual for freedom and self-direction in his or her use of the community carries with it an obligation to contribute vigorously within the scope of one's talents to the usefulness of that community to others. People are most responsive to such obligations when they are permitted to accept them freely as a part of their membership in a community whose purposes and values they share and influence.

UMM is in a continual condition of "becoming," changing as the vision of its participants changes, reflecting as an institution the ceaseless learning that is life both to community and to educated women and men.

General Information

The University of Minnesota, Morris is fully accredited by the North Central Association of Colleges and Secondary Schools. Professional accreditation in elementary, secondary, and physical education has been granted by the National Council of Accreditation of Teacher Education and the State of Minnesota Department of Education.

Statement on Human Rights

The Board of Regents has committed itself and the University of Minnesota to the policy that there shall be no discrimination on the basis of race, creed, color, sex, or national origin. In adhering to this policy, the University abides by the requirements of Titles VI and VII of the Civil Rights Act of 1964, Revised Order No. 4, Executive Orders 11246 and 11375, Sections 799A and 845 of the Public Health Service Act, and other federal regulations and pertinent acts of Congress.

It is also the policy of the University of Minnesota not to discriminate on the basis of sex in its educational programs, admissions, activities, and employment policies as required by Title IX of the Education Amendments of 1972.

Inquiries regarding compliance may be directed to Lillian H. Williams, Director, Office of Equal Opportunity and Affirmative Action, 419 Morrill Hall, 100 Church Street S.E., University of Minnesota, Minneapolis, Minnesota 55455, (612) 373-7969, or to the Director of the Office of Civil Rights, Department of Health, Education, and Welfare, Washington, D.C. 20201.

Admission Requirements

Persons seeking admission to the University of Minnesota, Morris should check the admission requirements detailed on the pages that follow. These requirements apply to students seeking admission on the basis of a high school diploma, by special examination, or through transfer from another college.

Students desiring an application form may obtain one from their high school principal or counselor or by writing to the Office of Admissions, University of Minnesota, Morris, Minnesota 56267.

Each application submitted must be accompanied by a nonrefundable fee of \$10 payable by check or money order to the University of Minnesota, Morris (do not send cash through the mail).

FRESHMAN ADMISSION

Because of the nature of the curriculum and the standards of academic performance required, a selective admission policy is necessary. Admission standards are based on records of high school achievement and aptitude test scores.

Applicants for freshman admission must submit scores from either the American College Testing Program (ACT) or the Preliminary Scholastic Aptitude Test (PSAT). In certain instances, especially where these two aptitude tests are not readily available, scores from other college aptitude tests such as the Scholastic Aptitude Test (SAT) will be acceptable.

Freshmen can be assured of acceptance if they are high school graduates with a college aptitude rating (CAR) at or above a specified level. The college aptitude rating is a combination of the high school percentile rank and college aptitude test scores.

For those taking the ACT, the total of the high school percentile rank plus two times the ACT composite score must equal 85 or above:

$$\text{HSR} + 2 \text{ ACTcomp} = 85 +$$

Admission Requirements

For applicants taking the PSAT, the total of the high school percentile rank plus the PSAT verbal standard score plus the PSAT mathematics standard score must equal 125 or above:

$$\text{HSR} + \text{PSATverb} + \text{PSATmath} = 125 +$$

Applicants with college aptitude ratings slightly below these levels may also apply. Their applications will be individually reviewed using a multiple set of criteria that includes the high school record, test information, the applicant's own evaluation of his or her potential for success, high school recommendations, and often individual interviews. Students within this group with the best potential for successfully completing a collegiate program will be admitted.

ADMISSION AS A TRANSFER STUDENT

Students who have finished a year or more of college work at an accredited college or university may, if admitted, enter with advanced standing; that is, with credit for appropriate courses satisfactorily completed.

Applicants who have attempted any college study, satisfactory or unsatisfactory, must submit official transcripts covering all of the work taken from every college attended. They should apply and have all transcripts on file with the UMM Office of Admissions well in advance of the quarter of entrance.

Transfer students with at least 1 year of work at an accredited college or university who have maintained at least a C average at their previous institution are usually admitted. Students who have had less than a year of college work must meet the requirements for entrance from high school and must file their college records as well.

For details of policies governing transfer of courses, credits, and grades, see the section on Transfer of Courses From Another Institution.

ADMISSION AS A PART-TIME OR SPECIAL STUDENT

Men and women who wish to take individual courses or groups of courses to meet special needs or for personal enrichment may be considered for admission as a "special student." Often these are students of mature experience who are not pursuing a specific educational goal or major or are high school students who wish educational enrichment. Special students are admitted initially only for one quarter, and their work is subject to review by the Office of Admissions every quarter thereafter. They are not candidates for a degree but may later seek degree candidacy. Information about changing from classification as a special student to that as a degree candidate may be obtained from the Office of Admissions.

ADMISSION BY EXAMINATION

An individual, whether a graduate of a Minnesota high school or not, may apply for admission by examination. In most instances, the examination is of an objective nature and measures general aptitude for college work rather than specific knowledge of a subject matter area. Inquiries about the procedure to follow should be directed to the UMM Office of Admissions.

ADMISSION OF NONRESIDENTS OF MINNESOTA

The University of Minnesota, Morris will accept applications for admission from non-Minnesotans, and they will be judged on the same basis as residents. However, this policy implies no commitment to such applicants. Nonresident freshman appli-

General Information

cants are required to complete the American College Test (ACT). Scores from the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board are requested when available. Nonresident tuition will be charged to students whose permanent home is outside Minnesota or who have not lived in a permanent home in Minnesota for at least a calendar year prior to initial registration at UMM. "Permanent" means a family home or home established for purposes other than college attendance. Initial classification as a nonresident, however, does not preclude reclassification at any time a student meets the residency requirements. If there is a question about residence classification, it is the student's responsibility to consult the UMM Office of Admissions for consideration of his or her status.

SENIOR CITIZEN ADMISSION

Minnesota residents age 62 years or older may gain admission to UMM classes, when space is available after tuition-paying students have been accommodated, at a very minimal cost. Persons wishing to take a course without credit pay no fees unless materials or other special charges are required. Those seeking credit for a course pay \$2 per credit as well as any special fees. Further information is available from the UMM Office of Admissions.

RESIDENCY REQUIREMENTS

The regulations that govern residency status are detailed in the University of Minnesota *General Information Bulletin*. Consult that bulletin for information.

CHANGE OF COLLEGE WITHIN THE UNIVERSITY

A student who wishes to change from one college, school, or campus of the University of Minnesota to another must meet the requirements of the unit to which he or she is transferring. Application for transfer should be made at the Records Office on the campus where the student is currently or was last registered. The student should apply to the appropriate office as far in advance as possible of the actual date of transfer.

CONTINUING EDUCATION, SUMMER SESSION, AND UNIVERSITY WITHOUT WALLS

The Office of Continuing Education, Regional Programs, and Summer Session (CERP) offers a variety of outreach programs to west central Minnesota. CERP serves to organize and administer evening and summer session offerings, including undergraduate, graduate, and noncredit courses. It develops and sponsors conferences, institutes, and workshops and administers regional programs of a public service nature.

In addition to course offerings, CERP provides educational information, guidance, and referral services through its Morris Learning Center, serves as an informational source for individual learning opportunities, and administers the University Without Walls program, an alternative bachelor's degree curriculum. CERP also serves as a liaison between the University and communities in west central Minnesota and conducts research on the educational needs of communities, groups, and individuals.

Each quarter a wide range of evening courses is offered, including both credit and noncredit classes. Bulletins and further information about these course offerings can be obtained from the UMM Office of Continuing Education, Regional Programs, and Summer Session.

Registration

REGISTRATION PROCEDURES FOR FRESHMEN

All freshmen who will enter UMM in the fall attend an orientation and registration program in September during the week prior to the beginning of fall quarter classes. Discussions on program planning, course selection, degree requirements, student life, and planning a first-year class schedule are included in the orientation and registration activities. Registration and payment of fees for freshmen are completed at this time.

Information about orientation and registration will be sent to accepted students by mail.

Freshmen who will begin their attendance winter or spring quarter will be sent registration instructions by mail.

REGISTRATION PROCEDURES FOR TRANSFER STUDENTS

A special orientation and registration day is held for transfer students who will begin their attendance fall quarter. This date normally is scheduled during freshmen orientation week just prior to the beginning of fall quarter classes. Transfer students will be notified by mail of their orientation-registration date.

Transfer students who begin their attendance winter or spring quarter will be sent registration instructions by mail.

REGISTRATION PROCEDURES FOR STUDENTS IN ATTENDANCE AT UMM

Registration for students in attendance begins several weeks before the opening of the quarter, shortly before the final examination period of the previous quarter. Students in attendance are issued registration instructions and materials at the Records Office. Winter and spring quarter registration dates for sophomores and freshmen follow those for seniors and juniors, and are controlled alphabetically according to the student's last name; the alphabet rotates each quarter to give every student an equal opportunity to register early.

A spring quarter preregistration period for the following fall quarter gives students in attendance an opportunity to consult with advisers, seek counseling, and have first choice for courses that have limited enrollment. Students in attendance spring quarter who fail to preregister for the following fall quarter must register prior to the beginning of fall quarter classes.

REGISTRATION PROCEDURES FOR STUDENTS RETURNING TO UMM

Previously registered students returning to UMM after an absence of 1 quarter or more may register at the Records Office during the time set aside for currently enrolled or transfer students. Credits and grades earned at other institutions in the interim should be presented at the Office of Admissions prior to registration.

POLICY ON WITHHOLDING PERMISSION TO REGISTER

The University of Minnesota, Morris reserves the right to deny students permission to register for a subsequent quarter and/or to withhold the release of grades or

General Information

transcripts in order to compel compliance with important regulations or obtain payment of financial obligations to the University. It is college policy to deny registration until either payment or satisfactory arrangements for payment of financial obligations have been made. All types of financial obligations to the University are included in this category; i.e., room and board, tuition and fees, library fines, loan repayments. In some instances, withholding permission to register may be utilized by the Health Service in order to insure compliance with the college's immunization program. Under unusual circumstances, the Office of the Provost may withhold permission to register in order to force compliance with academic or disciplinary regulations or directives. Normally, holds on registrations or records will be placed with the Records Office by the Business Office, the Library, the Office of Financial Aid, the Health Service, or the Office of the Provost.

A student who believes that the policy of withholding transcripts, grade reports, or permission to register has been unjustly applied in a particular case may appeal directly to the Office of the Provost for a resolution of the matter.

CHANGE IN REGISTRATION

Careful and accurate program planning is essential to academic progress. If it becomes necessary to change a course after completing registration, students must obtain a cancel-add form from the Records Office and must then obtain the signature of the instructor of the course and, where appropriate, the permission of their adviser.

Courses may not be added nor may they be changed from one grading system to another after the second week of the quarter.

Students are held responsible for the work of a course for which they have registered until they have officially canceled that course. A course is not considered officially canceled until the cancellation form is submitted to the Records Office.

Directed study courses may be added to the registration at any time during the quarter.

REGISTRATION FOR DIRECTED STUDY COURSES

The term "directed study" refers to those on- or off-campus learning experiences individually arranged between a student and a member of the University faculty for academic credit in areas not covered in the regular curriculum. Directed study offerings include the following courses:

Discipline Directed Study—3950, 3951, 3952 (1-5 cr per qtr)

Interdisciplinary Directed Study—IS 3950, 3951, 3952 (1-5 cr per qtr)

Interdisciplinary Internship—IS 3850, 3851, 3852 (1-15 cr per qtr)

In addition to listing the directed study course on the regular University registration card, a special Directed Study Project Approval form is required for registration. This form is available at the Records Office or the academic division offices. The form is essentially a contract between the student and the supervising faculty member that involves a statement of the objectives of the project, the methods to be employed, and the procedures for evaluating the project.

In addition to faculty evaluation, student evaluation of the directed study project is mandatory. When the work of the project is completed, the faculty member will provide the student with an evaluation questionnaire, which is part of the directed study project approval form. The student completes the questionnaire and delivers it to the Office of the Academic Dean. The faculty member will not submit a grade until the student's evaluation of the project has been completed.

PAYMENT OF FEES

The tuition fee, activities and health service fees, and special course fees must be paid by the due date shown on the fee statement issued to the student at registration in order to avoid late fees. It is the student's obligation to arrange for a source of funds which will be available by the due date shown. After the due date, late fees are assessed according to the following schedule: \$6 through the first week of classes; \$10 during the second week of classes; and \$20 during the third and fourth weeks of classes and thereafter. Those who have not paid the fees or received an extension of time for payment from the business manager by the first day of the fifth week of classes will be administratively canceled as of that day and charged fees accordingly (see section on Cancellation Procedures below).

REFUNDS OR CREDITS

Students who cancel their registration before the start of the seventh week of classes are entitled to a refund or credit of the tuition fee, special course fees, and the activities and health service fees as follows:

100%—before the quarter begins, or during the first week of the quarter if nonattendance at classes is certified by the instructors of the courses for which the student registered.

90%—during the first week of the quarter if certification of nonattendance is not filed.

80%—during the second week of the quarter.

70%—during the third week of the quarter.

60%—during the fourth week of the quarter.

50%—during the fifth week of the quarter.

40%—during the sixth week of the quarter.

After the sixth week of classes, no refund or credit is allowed. The Records Office will certify the date of cancellation to the Business Office where the refund due or the balance owed will be computed and collected or paid. Any grants and loans received from the UMM Financial Aid Office must first be repaid before a refund will be given.

PROCEDURES FOR CANCELING OUT OF COLLEGE

Students who decide to cancel out of college after registering for classes must cancel their registration on a form available at the Records Office. Completion of the cancellation procedure is extremely important in order to minimize liability for fees. Until notice of cancellation is received, space in the classes registered for is reserved, and fee charges continue to accrue regardless of actual attendance.

Expenses

ESTIMATED COST OF ATTENDANCE

The approximate yearly cost of attendance for a Minnesota resident living on campus is \$2,200. This amount includes tuition and other fees, room and board, textbooks, and supplies. Not included are personal expenses such as clothing, travel,

General Information

and recreation, which are best estimated by the individual student. A breakdown of estimated average expenses per quarter follows:

<i>Expenses</i>	<i>Resident</i>	<i>Nonresident</i>
Tuition	\$221	\$ 636
Room and Board	381	381
Activities Fee	32	32
Health Service Fee	16	16
Miscellaneous Fees	10	10
Textbooks and Supplies	<u>70</u>	<u>70</u>
Average Cost Per Quarter	\$730	\$1145

All University fees are subject to change by the Board of Regents without notice. Current information on fees may be obtained from the UMM Records Office.

GENERAL FEES

Tuition—For full-time students taking 12 to 22 credits per quarter:

Resident	\$221
Nonresident	636

Credit Hour Fee—For students taking less than 12 or more than 22 credits per quarter:

Resident	\$18.50 per credit (or additional credit)
Nonresident	53.00 per credit (or additional credit)

Activities Fee—A fee of \$32 per quarter is charged to all students registered for 6 or more credits. Those registered for less than 6 credits may elect to pay the fee in order to participate in the activities and events funded by the fee, such as cultural and athletic events or various activities sponsored by student organizations and other University units.

Health Service Fee—A fee of \$16 per quarter is charged to students under the same conditions as the activities fee above. Payment of this fee provides limited outpatient care at the Health Service and does not take the place of adequate health insurance coverage.

MPIRG Fee (optional)—A fee of \$1 per quarter is collected under contract with the Minnesota Public Interest Research Group and is transmitted by UMM to that organization. Students may elect not to pay the fee or to recover it during a refund period scheduled each quarter by local representatives.

Late Fee—Students paying fees after the last day for payment are charged a fee of \$6 between the due date and the end of the first week of classes, \$10 during the second week of classes, and \$20 thereafter.

Late Registration Fee—A fee of \$6 is charged to students enrolling after their designated registration date for a quarter and paying fees by the first business day after the date of their enrollment. This fee is in lieu of the late fee indicated above, but the late fee is assessed if fees are not paid by the first business day after enrollment.

SPECIAL COURSE FEES

Laboratory Course Fee—A fee of \$4 per laboratory course, with a maximum of \$12 per quarter, is charged to help offset the cost of special laboratory equipment. A list of laboratory courses is posted at the Records Office each quarter.

Music Lesson Fee—A fee of \$45 per credit is charged, in addition to tuition, to students registered in Individual Performance Studies (Mus 1300 through 1318). Music majors at the advanced performance level (those enrolled in Mus 3300-3318 after passing the jury examination) are automatically entitled to a waiver of this fee. (Note—Applied music instructors are not expected to make up sessions for unexcused absences from scheduled lessons.)

Remedial Mathematics Fee—A fee of \$21 per course, in lieu of tuition, is charged for Math 0100, 0200, and 0300.

SUPPLEMENTAL FEES

Application (Credentials Examination) Fee—A nonrefundable credentials examination fee of \$10 must be submitted with applications for admission to UMM.

Credit by Examination Fee—A fee of \$20 per examination is charged to students seeking credit for achieved knowledge comparable to the specific content of a course offered at UMM. The fee is waived if an examination is taken during the first quarter in residence or the first quarter after an absence of a year or more.

Duplicate Fee Statement Fee—A fee of \$1 is charged to replace a lost fee statement.

Graduation Fee—A fee of \$10 is charged to each graduating senior to cover the costs of the graduation exercises and diploma.

Health Insurance Fee (optional except for residents of other countries and participants in intercollegiate athletics)—Health insurance is available to students through a UMM group plan. Single coverage costs \$66 per year payable during fall quarter. Family coverage costs \$363 per year payable in four equal installments, one at the start of each quarter and one before the start of the first term of summer session. Participants in intercollegiate athletics are required to purchase either the UMM group health insurance or equivalent coverage. Residents of foreign countries are required to purchase the UMM group health insurance or seek a waiver from the business manager based upon proof of equivalent coverage.

Identification Card Replacement Fee—A fee of \$4 is charged to replace a lost University identification card, which is needed for registration.

Locker Fee (optional)—A fee of \$5 per quarter is charged to those wishing locker facilities in the Humanities-Fine Arts Center or the Physical Education Center. (See below for refundable lock deposit.)

Parking Fee (optional)—A fee of \$7.50 per year or \$3 per quarter is charged for an on-campus parking permit.

Placement Service Fee (optional)—A fee of \$15 is charged to teacher education graduates and \$10 to liberal arts graduates who utilize the college placement service in seeking employment.

Records Service Fee—A fee of \$3 is charged to each new student when first registering at UMM. This fee covers three transcripts without additional charge. A fee of \$1 is charged for each additional transcript requested.

General Information

Testing Service Fees—Fees of varying amounts are charged by the Counseling Service for administering tests for non-University organizations such as the Princeton Education Testing Service. The sponsor usually determines the amount of the fee.

DEPOSITS

Chemistry Deposit—A \$10 refundable deposit to cover possible breakage of laboratory equipment is charged to all students registered in chemistry courses.

Lock Deposit—A \$2 refundable deposit is charged for a combination lock to those using the locker facilities in the Humanities-Fine Arts Center or the Physical Education Center.

Financial Aid

The goal of the UMM financial aid program is to enable all qualified students to attend UMM whether or not they have all of the necessary financial resources to do so. The program is designed to distribute financial aid in a way that is fairest to the largest number of students and their families. Typically, more than 70 percent of the UMM student body receives some form of financial aid—scholarships, grants, part-time jobs, loans, or often a combination of forms of aid.

DETERMINATION OF THE FINANCIAL AID PACKAGE

The major tool that the University uses to determine the amount of financial aid for which a student may qualify is the Family Financial Statement (FFS) of the American College Testing Service. This system analyzes the financial resources of students and their families in a standardized, consistent manner.

The amount of aid that a student is eligible to receive is based on financial need. This amount is determined by the difference between what the University believes a student and his or her parents can afford to pay and the actual costs of attending UMM. Items normally calculated in the costs of attending college include tuition and fees, room and board, books and supplies, personal living expenses, and transportation.

The family's share of the college expenses comes from the resources of both the student and the parents—contributions from the student's own resources, such as summer earnings, social security benefits, GI Bill funds, state scholarship programs, and from the parents' income and assets.

UMM uses the FFS needs analysis only as a guide. Individual attention is given to the special circumstances of each student's financial situation. Once this situation is evaluated, the UMM Financial Aid Office will award a package of scholarship, grant, or loan funds and part-time work to meet the student's demonstrated need.

RENEWAL OF AID

Financial aid is renewable each year as long as the financial circumstances of the student demonstrate need. As a student's financial situation changes, the aid package will be altered correspondingly. There is no minimum grade point average that must be maintained in order to continue to receive financial aid, but satisfactory progress must be made in order to receive a full share of scholarship or grant funds. The UMM Financial Aid Committee requires the successful completion of a minimum of 9 credits per quarter (27 credits per year) during the freshman year and 12 credits

per quarter (36 credits per year) during the sophomore and subsequent years to maintain full aid. If a student fails to complete the required minimum number of credits the amount of scholarship or grant funds will be reduced proportionately.

TYPES OF AWARDS

The application for financial aid qualifies a student for consideration for all types of awards with the exception of the Basic Educational Opportunity Grant (BEOG), which requires a separate application.

Supplemental Educational Opportunity Grants—These grants were established by the Educational Amendments of 1972 for students with exceptional financial need. The maximum amount a student may receive is \$1,500 per year, up to a limit of \$4,000 for the 4-year experience.

Basic Education Opportunity Grants—These grants are intended to form the basis of a financial aid package and will be combined with other forms of aid to meet the full costs of education.

University Grants—Direct grants from University funds are given to those who demonstrate financial need. The amount awarded depends on other sources of funds available to the student requesting aid.

Endowed Scholarships—A large number of endowed scholarships are available as a result of gifts from alumni and friends of the University. Income from these funds is awarded to students qualifying for financial aid and meeting the specific requirements of the funds.

Part-Time Employment—Many on- and off-campus jobs are available for qualified students. The positions are assigned by the Financial Aid Office as part of the total financial assistance package. Any special skills or experiences the student has will be considered.

The Financial Aid Office administers all on-campus student employment. The majority of these positions are partially subsidized by the federal government through UMM's participation in the Federal Work-Study Program. The purpose of this program is to offer students who qualify for financial aid the opportunity to work in order to keep the loan portion of their aid package to a minimum.

The Financial Aid Office and the Third Ear (a student-run organization) maintain files of off-campus employment possibilities. Students desiring off-campus employment are not required to demonstrate financial need.

National Direct Student Loans (NDSL)—In 1972 the federal government established the National Direct Study Loan program to replace the National Defense Student Loan program. To qualify for a loan, a student must demonstrate financial need and be enrolled on at least a half-time basis. The total amount that may be borrowed for an undergraduate degree is \$5,000. The interest rate of 3 percent is not assessed until 9 months after the borrower ceases to be at least a half-time student. Partial loan cancellation is available for those who intend to become teachers of students who are economically, mentally, emotionally, or physically handicapped or who are in special education or head start programs.

Federal Insured Student Loans (FISL)—Under this program students may borrow directly from UMM or, if they prefer, from their own bank or the state of Minnesota. The interest rate is 7 percent, but interest does not begin to accrue until 12 months after the student graduates or leaves school providing the student demonstrates financial need.

General Information

University Trust Fund (UTF) Loans—A limited number of UTF loans are made annually to assist students who fail to qualify for either the NDSL or FISL program by reason of citizenship or other circumstances. The 6 percent interest on the loan is payable quarterly while the student is enrolled. As long as the student remains enrolled at the University, the University will pay 3 percent of the interest each quarter.

Minnesota State Scholarship and Grant Awards—Minnesota residents should have a copy of their FFS mailed to the Higher Education Coordinating Board (HECB) in St. Paul no later than February 1 to be eligible for Minnesota State Scholarship and Grant funds the following academic year.

FINANCIAL AID APPLICATION PROCEDURES

All entering freshmen who are Minnesota residents must apply for three sources of aid if they wish to receive financial assistance through the University of Minnesota, Morris: the Basic Educational Opportunity Grant program, the Minnesota State Scholarship and Grant program, and the UMM financial aid program. Freshman and transfer students who apply for financial aid must take the following steps:

1. File an Application for Admission with the UMM Office of Admissions.
2. Submit a Family Financial Statement to the American College Testing Service.
3. Have one copy of the needs analysis provided by the ACT sent to the University of Minnesota Morris; if a Minnesota resident, have one copy sent to the Minnesota State Scholarship and Grant program administered by the Higher Education Coordinating Board.
4. Complete a Basic Educational Opportunity Grant application, and return to the UMM Office of Financial Aid the Student Eligibility Report that will be sent by the BEOG program.

To receive priority consideration for financial aid, the FFS must be sent to the HECB by February 1 and received by UMM by March 1. Any FFS received by UMM after the deadline will be considered as funds are available.

Financial aid is awarded on a continuous basis throughout the school year, and students will be notified of their awards shortly after the FFS is received from the ACT.

For additional information, contact the Office of Financial Aid, University of Minnesota, Morris, Minnesota 56267.

College Regulations

HONOR SYSTEM

A student-directed honor system is used on the Morris campus, concerning itself with all forms of academic dishonesty such as cheating and plagiarism. The system assumes mutual trust between the faculty and students. Refraining from cheating on examinations and assignments is seen as a part of each individual's responsibility to himself or herself and to the University community.

To deal with alleged violations of the principles of the honor system, the Campus Assembly has established an Honor Case Commission consisting of five students and a nonvoting faculty adviser. Students or faculty members report evidence of cheating on examinations and plagiarism in papers, lab reports, and other required course work to the Honor Case Commission. The commission will review a report of an alleged violation, collect evidence, interview witnesses, summon the accused for

a hearing, evaluate views from both sides, and reach a decision on the matter. Actions of the commission are confidential; names of the accused, witnesses, and others connected with a case are never revealed. The Honor Case Commission will recommend appropriate action to the instructor involved. Recommendations of the commission are not binding; however, it is expected that the instructor will honor the decision. An accused party may appeal a decision of the Honor Case Commission to the academic dean within 1 month of the date of the commission's decision.

CLASS ATTENDANCE

All students are responsible for attending classes regularly. Instructors hold students responsible for all the work of a course, and it is the students' responsibility to make up any work that is missed, regardless of the reason for their absence. Whether or not attendance is required varies and is the prerogative of the individual instructor. It is the students' responsibility to learn the attendance policies of their instructors, but it is also clearly the responsibility of all faculty members to make known to their students their particular regulations concerning attendance and excuses prior to imposing those regulations. Faculty members will make a reasonable effort to assist students who have been absent in completing course work that has been missed.

Officially sanctioned excuses will originate either from the Health Service or the Office of the Provost. Excuses for reasons of sickness will be issued only when the Health Service has verified that the student was ill or has received a written statement from an attending physician to that effect. Where individuals or groups are to be absent from campus performing some function in the interests of the University, or where some emergency has arisen such as a death in the family, the Office of the Provost will issue an excuse.

FINAL EXAMINATIONS

The examination week is part of the regular school year and must be taken into account by students in planning for any other activities or work outside of school hours. The final examination schedule is printed in the UMM *Class Schedule*, which is distributed to all students and instructors. Students are expected to know the times for their own final examinations and to attend the examinations as scheduled. Students may seek adjustment of their examination schedule only when they have a conflict between examination times or more than two examinations in 1 day. Under these circumstances, students should contact the Office of the Academic Dean.

As a general rule, faculty members are not at liberty to deviate from the official final examination schedule. Where special circumstances exist, approval for departure from the final examination schedule may be sought from the appropriate division chairperson.

It is college policy to prohibit University-sponsored trips or other activities that require significant numbers of students to be away from the campus during the final examination period. Exceptions to this policy are possible, though rare. Information regarding the procedure for seeking such an exception may be obtained from the Office of the Provost.

GRADING SYSTEM

Since the fall of 1972, UMM has used an ABC-No Record (ABC-NR) grading system and a Satisfactory-No Record (S-NR) grading system as a replacement for the traditional A-F and the Pass-No Record grading systems that existed on the Morris campus previously. Implicit in the use of these grading systems is the definition of the

General Information

transcript as a permanent record of the student's accomplishments only. The transcript contains no record of course work that was *not successfully completed* by a student no matter what the reason.

There are four grades:

- ASuperior achievement
- BAbove average achievement
- CAverage achievement, indicating successful completion of the work in the course
- SSatisfactory, a self-contained alternative to the ABC-NR grading scale, indicating successful completion of a course

If a student does not achieve one of the above four grades, no entry is made on the transcript; thus, no credit is awarded. This could occur in any of the following circumstances: the work may be of substandard quality; the student may have withdrawn from the course during the quarter; the student may have audited the course; some of the required work may yet be unfinished; or the instructor may have insufficient information to assign a permanent grade.

Grades and symbols D, F, I, W, X, and V are no longer in use. Although the temporary grade of I (Incomplete) has been eliminated from the grading system, students may, with the consent of their instructor, reach an agreement that would permit them to complete a course beyond the close of the quarter of registration. In this case, the student and the instructor will complete and sign a Deferred Course Completion Agreement form available from the Records Office, the division offices, or the instructor. This form contains course identification details, a brief statement of the work remaining to be accomplished, and any other conditions that the student and the instructor may agree upon. No notation will be made on the transcript regarding a course that is to be completed at a later date. A permanent notation and grade will be made on the transcript only when the work is completed and a final grade assigned by the instructor.

UMM will accept for transfer appropriate courses and the credit they carry when grades of A, B, C, P, or S have been earned. Courses in which grades of D, F, or their equivalent have been earned will not be accepted for transfer. Where grading systems are clearly incompatible, credits will be transferred without grade.

The Satisfactory-No Record grading system is utilized as an alternative to the ABC-No Record grading system. The S-NR grading system is designed primarily to encourage students to seek greater breadth of education and to help them experience learning for its own sake. A second purpose is to provide a flexible alternative evaluative system for instructors who feel that the ABC-NR grading system will not best meet the educational goals of a particular course.

The S-NR grading system may be employed for a variety of reasons—for example, to reduce course work while maintaining the student's grade average, to provide exposure to an area of study not central to the student's educational goals, or to free the student from some course requirements in order that he or she may pursue personal objectives within the general framework of the course. Students may, with the permission of the instructor, elect the S-NR grading system to allow exploration or independent study in a course in which the majority of students are graded on the ABC-NR grading system. Finally, instructors may choose to offer a course under S-NR grading only in cases where ABC-NR grading is neither feasible nor appropriate (for example, skill courses or student teaching) or in order to encourage exploration in a new subject area, cooperation rather than competition among students, or realization of other educational goals. When an instructor chooses to permit experimental forms of grading (for example, self-evaluation), the S-NR grading system is most often appropriate.

There are no general restrictions on the number of courses that may be taken under the S-NR grading system. However, most disciplines do not permit S-NR grading in courses to be counted toward their students' academic major. There are exceptions to this rule. The disciplines of chemistry, history, philosophy, physics, psychology, and sociology permit at least some courses in the major to be taken on the S-NR grading system. Students planning to take course work in their major on the S-NR grading system should consult with a faculty member in that discipline before making a decision in order to determine the discipline's position on S-NR grades in the major.

All students who are considering taking courses on the S-NR grading system should consult with their adviser regarding this decision. This is especially important for students who contemplate professional or graduate training. It is likely that students will be at a disadvantage in applying for admission to a graduate or professional school if a high proportion of their courses are not graded on the ABC-NR system.

The majority of courses are offered on both ABC-NR grading and S-NR grading. There are, however, certain courses that are offered on S-NR grading only as well as a small number of courses that are offered on ABC-NR only. These are designated in the *Class Schedule*.

Changes in the grading system from ABC-NR to S-NR or vice versa require the use of the cancel-add procedure and may be made only during the first 2 weeks of the quarter.

THE ACADEMIC TRANSCRIPT

Since the fall of 1972, all entries made on UMM transcripts have reflected accomplishments only. Students whose college work originated prior to that time will have a transcript that reflects the college's "complete record," showing all courses taken and grades received up to the fall quarter of 1972. These same transcripts will reflect the "accomplishments only" entries beginning with the fall quarter of 1972. An Explanation of Transcript form, detailing both systems of entries, will accompany each official transcript transmitted by the Records Office.

Entries will be made on the transcript after the course work has been completed and grades have been assigned by the instructors. Therefore, work in progress will not appear on the transcript, nor will there be any indication that a student was enrolled during a quarter in which no course work was successfully completed. Hence, a student who has received permission to defer the completion of course work will have the course entered on the transcript under the heading of the quarter in which registration for the course occurred. Should an institution require for transfer a listing of courses in progress, the student may enter such a list of courses on the Explanation of Transcript form when he or she requests to have an official copy of the transcript sent by the Records Office.

Since the grade point average no longer serves a significant function and takes on a different meaning under the ABC-NR and S-NR grading systems, the transcript no longer shows cumulative grade point averages but does show an entry of the cumulative credits at the end of the year.

CREDITS

Amount of work is expressed in quarter credits. Each credit demands, on the average, 3 hours a week of a student's time; that is, 1 hour in class or recitation with 2 hours of preparation, or 3 hours of laboratory work. A normal course load is 15 credits per quarter. Full-time students usually carry 12 to 18 credits per quarter.

General Information

A student with less than 40 credits is classified as a freshman. A student with 40 to 83 credits is classified as a sophomore. A student with 84 to 134 credits is classified as a junior. A student with 135 credits or more is classified as a senior.

EXAMINATIONS FOR CREDIT

Credit for achieved knowledge comparable to specific content of University courses may be obtained by special examination. Students who believe they have knowledge equal to that of other students successfully completing a course should complete the application form to take a special examination. Students may not receive credit by examination for skill courses in reading, writing, or speaking in their native tongue (including freshman composition) or in beginning language or mathematics courses when this study has been completed in high school.

Credit earned by examination does not count as residence credit.

There is no fee for examinations for credit when taken during the student's first quarter in residence or the first quarter after an absence of a year or more. After this time, a fee of \$20 per examination is charged.

A student must achieve at least C quality work on an examination to earn credit. A notation is placed on the official record showing the course and credits earned. The Scholastic Committee determines eligibility to receive credit and grade before an examination is scheduled and before the special fee is paid. If a student fails to achieve at least C quality work on an examination, no notation is made on the record.

To arrange a special examination for credit a student must take the application form, obtained at the Records Office, to the secretary of the Scholastic Committee for approval. The secretary of this committee will notify the division chairperson of the approval action. The division chairperson will arrange for an instructor to give the examination. The instructor will notify the student of the scheduled hour for the examination, and the student will pay the \$20, if required, at the Business Office before taking the examination. The instructor will report the results on the Special Examination form to the Records Office for recording on the official record.

EXAMINATIONS TO SHOW PROFICIENCY

Students who believe they have not been properly placed in a sequence of courses may apply to the appropriate division for a proficiency examination. Students who believe they possess sufficient competency to be exempted from prerequisite courses may also apply to take such an examination.

Examinations for proficiency require no fee and carry no credit or grade. They may be taken at any time. If the student's work is of passing quality, a notation will be made on the official record, indicating that the requirement has been satisfied by proficiency examination. Proficiency examinations must be arranged through the division chairpersons.

EXAMINATION FOR ADVANCED PLACEMENT

Entering freshmen may receive recognition for advanced scholastic achievement demonstrated on the Advanced Placement Examination of the College Entrance Examination Board.

Recognition may take the form of advanced placement, the granting of nonresidence credit, or both. The term "advanced placement" refers to the waiving of prerequisite course work in areas where the appropriate faculty members agree that sufficient competency has been demonstrated through test results. The granting of nonresidence credit is a procedure that provides college credit for advanced high school work leading to a high level of examination performance. Credit granted may

be applied toward college degree requirements but may not be used to fulfill residency requirements.

Advanced Placement Examination scores of 1 and 2 will not qualify for recognition. When the score is 3 or above, recognition will be granted through Scholastic Committee action, which follows consultation with appropriate faculty members.

Entering freshmen who seek credit and/or advanced placement through the submission of evidence other than the Advanced Placement Examination scores may be considered by the Scholastic Committee.

Sophomore status may be granted as a maximum form of recognition to unusually well-prepared high school graduates.

CREDIT THROUGH THE COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Registered students may earn up to 40 credits by earning satisfactory scores on the nationally standardized general examinations of the College Level Examination Program. These credits may be used in satisfying Option I general education requirements and may be counted toward the 180 credits required for graduation. CLEP credits do not satisfy the residency requirement, however. Four of the CLEP general examinations may be taken for credit: Humanities, Mathematics, Natural Science, and Social Science-History.

For each examination passed, up to 10 credits will be entered on a student's transcript with no grade. If a student has earned or is registered for college credits in the area of the examination *prior* to taking it, he or she will receive only the difference between these credits and the 10-credit maximum permitted. Where a student has earned 10 or more credits in the area of the examination, no credit will be granted for successful completion of the test. However, a student will be permitted to receive credit for courses taken *after* successful completion of a CLEP examination in a particular subject area.

In order to receive credit, a student must earn a score that equals or exceeds the 75th percentile among a national sample of college sophomores.

The CLEP examination is given once each quarter and during freshman orientation week. Examination date, place, and time are announced through various campus media. Students may sign up for examinations by contacting the Student Counseling Service. A fee is charged. Examinations may be retaken as often as desired.

Students who have taken CLEP examinations elsewhere should submit an official transcript of their scores to the Student Counseling Service, where they will be processed for appropriate credit allocation. Students are notified of scores received and credit granted. The Records Office makes appropriate entries on students' transcripts in cases where credit is granted.

CREDIT FOR MILITARY SERVICE SCHOOL EXPERIENCE

The University of Minnesota, Morris does not grant college credit for the completion of military service. Upon petition, the Scholastic Committee will grant credit for formal military service school experience when formal training courses have substantial liberal education content and have counterparts in the normal liberal arts curriculum. In evaluating such training, the Scholastic Committee will use the *Guide to the Evaluation of Educational Experiences in the Armed Forces* published by the Commission on Accreditation of Service Experiences of the American Council on Education. In order to obtain credit, a student must verify the service school attendance as well as successful completion of the work for which credit is requested.

For further information about seeking credit for military service school experience, consult the secretary of the Scholastic Committee.

TRANSFER OF COURSES FROM ANOTHER INSTITUTION

As a general policy, the University of Minnesota, Morris accepts for transfer course work from accredited institutions of higher education when that course work is of college level and contains substantial liberal arts content. Policies governing the transfer of course work from other institutions are established by the Scholastic Committee. The Office of Admissions administers transfer policies and makes individual decisions regarding the acceptability of course work from other institutions. Students who for any reason are unsatisfied with the evaluation of their transfer work should first contact the Office of Admissions for further explanation and perhaps revision of their evaluation. If still unsatisfied with the evaluation, students may contact the secretary of the Scholastic Committee for assistance in petitioning the Scholastic Committee for review of their case.

As a general rule, course work will be accepted for transfer only from other institutions of higher education that are accredited by national or regional accrediting agencies. In some instances, course work from nonaccredited institutions may be accepted by the Scholastic Committee; in such cases, students may be asked to demonstrate their abilities by completing additional course work at UMM before the transfer credit is accepted.

Course work from vocational and technical institutes, business colleges, and similar postsecondary schools that are not accredited institutions of higher education is not acceptable for transfer. Students who believe that they have gained expertise as a result of such training may take examinations for proficiency or for credit in comparable courses in the UMM curriculum.

To be acceptable for transfer, course work must be of college level. Course work that is remedial in nature or in which the majority of content is found in the usual secondary school curriculum is not acceptable for transfer.

Course work accepted for transfer must also contain a substantial degree of liberal arts content. Course work in the generally accepted liberal disciplines (e.g. astronomy, philosophy, history, geography) is usually accepted. In addition to course work from the traditional liberal arts disciplines, UMM will accept for transfer courses in those specialized programs offered on the Morris campus—education, business economics, and business administration. Course work in engineering, agriculture, secretarial skills, physical therapy, and other applied or specialized fields is rarely accepted. In addition, courses taken in vocational, technical, or professional areas (e.g., technical electronics, practical nursing, food service management) that are part of 1- or 2-year programs offered at accredited institutions of higher education, usually junior colleges, but are not designated for transfer to 4-year liberal arts college programs are not transferable.

Students who are pursuing nontraditional majors, areas of concentration, or Option II individualized curricula may, with the permission of the appropriate advising unit and the Scholastic Committee, receive transfer credit for nonliberal arts courses when it can be convincingly demonstrated that the course work is relevant to their proposed educational program.

UMM accepts the validity of the judgments of an institution a student has previously attended regarding its own courses. Therefore, when course work is accepted for transfer, the amount of credit assigned, grading system, level of instruction, and discipline designation determined by the institution at which the work was completed will be accepted. Unless otherwise specified by the Scholastic Committee, transfer course work will be acceptable to meet appropriate general education requirements, except those of residency, for a UMM degree. However, course equivalence with respect to matters of program or major requirements will be the prerogatives of the discipline and the division offering that program or major to determine.

When course work is accepted for transfer, the credits and grades transfer also. Courses in which a grade of C or above has been earned are acceptable for transfer.

Courses in which a grade of D or below has been earned will not transfer. Courses in which grades of P or S have been earned will be transferred as credits of S. Where no compatibility between grading systems exists, the credits will be transferred without grade.

UMM will usually accept waivers of certain degree requirements (such as freshman composition) based upon established levels of competency or achievement that have been awarded by an institution a student has previously attended. The waiver must be noted on the student's transcript, the requirement waived must be comparable to a UMM requirement, and the standards of competency applied must be similar to those required of UMM students.

UMM will accept for transfer credit by examination accepted by another accredited institution of higher education. Credits from the CLEP general examinations, CEEB Advanced Placement Examination, examinations of specific institutions, and similar tests fall into this category.

REPEATING A COURSE

A student may, without special permission, repeat a course for which he or she has previously registered but has never received credit. However, a student may not repeat a course for which credit has already been received at this or another institution without first seeking the permission of the Scholastic Committee.

GRIEVANCE PROCEDURES

Students with complaints about an instructor or criticisms about course content, procedures, or grading should, in almost all instances, bring the matter directly to the instructor. Where this is clearly inappropriate or when such action does not bring about a mutually satisfactory solution, the student should take the problem to the chairperson of the division administratively responsible for the course. The chairperson will attempt to resolve the matter informally. If a resolution is not achieved, the matter may be brought before the Division Grievance Committee and, if necessary, may be appealed before the Campus Grievance Committee and the All-University Grievance Committee as well. A grievance review officer will provide assistance for complaints and insure that the rights of the complainants and respondents are respected.

PETITION FOR EXEMPTION FROM A UNIVERSITY REGULATION

Through the college regulations, the Campus Assembly expresses its judgment concerning the best procedures for most students. These regulations are, in most cases, general statements giving students an opportunity for certain choices. Occasionally students may find that, even with the choices open to them, the regulations work to their educational disadvantage. In this event, they may petition the Scholastic Committee for an exemption.

Petition forms are issued in duplicate and, when completed, should be returned to the secretary of the Scholastic Committee. Petitions should contain a clear statement of the reason for the request. Each petition should have the signature and the recommendation of the student's faculty adviser.

After the Scholastic Committee has acted on a petition, notification of its decision will be sent to the student and to the student's faculty adviser.

CONFIDENTIALITY OF AND STUDENT ACCESS TO THEIR UNIVERSITY RECORDS

Policies of the Board of Regents governing confidentiality of student information establish the principle that student records are for use primarily within the institution for educational, service, and research functions and that students are protected from improper disclosure both within the University and outside the University. The academic record and personnel files are not disclosed to anyone outside the University without the student's authorization. Counseling and medical records are strictly confidential and are not released to anyone without the student's consent. Information that is a matter of public record, such as address, whether currently enrolled, and the graduation date, may be released without authorization.

Regents' policy as well as federal and state legislation establish the right of students who have reached the age of majority (or the right of their parents if they are minors) to examine information collected about them by the University. Students may contest, if they wish to do so, the accuracy or completeness of that information and make a request for corrective action to the office where the information is maintained. Educational records such as those maintained by the Records Office, the Minority Student Program, the Student Counseling Service, the Financial Aid Office, the Career Planning and Placement Service, the Division of Education, and the general advisers are available for examination. Some information, such as the Parents' Confidential Statement in the Financial Aid Office files, certain Health Service records, and University Police records, is not available for examination.

Students wishing to examine or be informed of the contents of their records should make a request to the administrator of the unit responsible for maintaining the records or to the assistant provost. Arrangements will be made for the student to examine the file at a time that is convenient to both the student and the staff of the office involved.

Details regarding sources of information about students as well as University, state, and federal regulations governing access to that information and release of the information within and outside the University is available for inspection in the Provost's Office, 309 Behmler Hall. Questions about reviewing student records or the release of information should be directed to the appropriate unit administrator or to the assistant provost, 309 Behmler Hall.

STUDENT DISCIPLINARY ACTION

Formal disciplinary action at the University of Minnesota, Morris is the responsibility of the Student Behavior Committee. This committee consists of three students, three faculty members, and a representative of the provost who serves as secretary without vote. The Student Behavior Committee establishes disciplinary procedures as well as regulations to maintain those standards of conduct and order that are necessary for the functioning of the University community. The committee enforces the Student Conduct Code of the Board of Regents, which details actionable offenses and outlines disciplinary procedures. The Student Behavior Committee normally does not take action in cases involving violations of civil law, except when such violations are clearly detrimental to the interests of the academic community.

Any member of the academic community, student body, faculty, or administration may request disciplinary action by the Student Behavior Committee. Requests for disciplinary action may be made either in person or in writing, describing the act, naming the accused student, and identifying witnesses, if any. The Student Behavior Committee examines the allegation and decides whether or not to formally hear the case. If the committee decides to hear the case, the accused student will be notified of the nature of the complaint and the time and place set for the hearing. At the

hearing the complainant and the accused will be given an opportunity to explain their positions. Evidence and witnesses for both sides may be heard. The Student Behavior Committee will then reach its decision in closed session, and interested parties will be informed of action taken. Any of the interested parties may appeal to the provost for a review of the action of the Student Behavior Committee.

The Student Behavior Committee may place a student on disciplinary probation for up to 3 quarters or may suspend a student from the college. All suspensions are subject to review by the provost.

Academic Advising Program

The advising program is designed to assist students in planning and utilizing their academic experiences. At the core of this program is the relationship between individual students and their faculty advisers. Responsibility for coordination of the academic advising program rests with the Student Counseling Service, but the actual advising is done by members of the faculty in each academic division of the college under the supervision of the division chairperson.

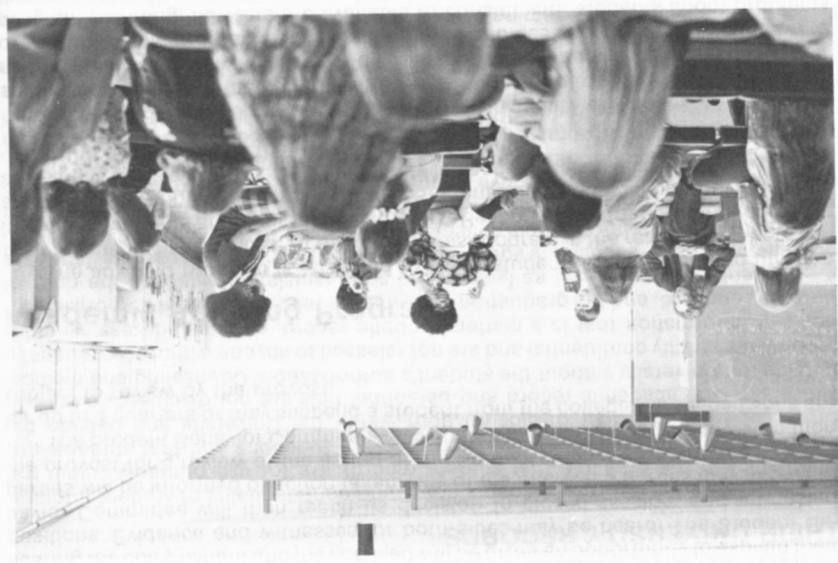
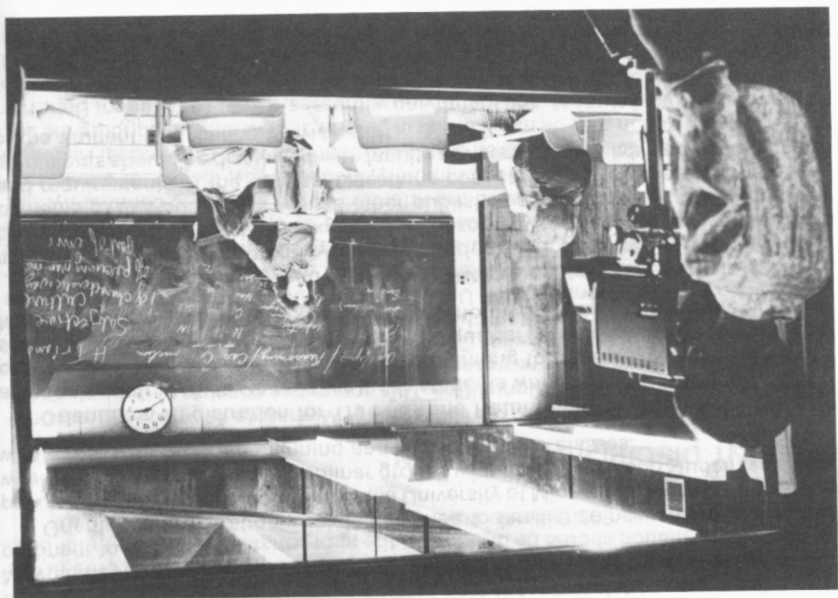
Faculty Adviser—Upon admission to the University of Minnesota, Morris, a student is assigned a faculty adviser by the Student Counseling Service. A prime responsibility of faculty advisers is to assist their student advisees in planning their overall academic programs and selecting their courses each quarter. In addition to program planning, advisers are available to consult with students about problems they encounter in adjusting to college, studying effectively, or other personal concerns. Students are consulted about adviser assignments and are free to change advisers at any time.

Freshman Orientation-Registration Week—New students entering in the fall who have not attended a college previously will come to the University of Minnesota, Morris prior to the beginning of fall quarter classes for orientation and registration. New students with advanced standing attend the portion of orientation sessions pertinent to their needs.

Orientation-registration week is designed to familiarize new students with the policies, facilities, and curriculum of the University of Minnesota, Morris. During this week freshmen meet in small seminar groups with their faculty and student advisers who assist with program planning and registration for classes.

Orientation-Registration for Transfer and Returning Students—A special orientation-registration day is held for those students who are transferring from other colleges or who are former UMM students planning to return. This day is normally scheduled just prior to the beginning of a new quarter (in September, December, and March). Transfer and returning students are notified by mail of the specific date.

Student Responsibility—Advisers give UMM students extensive help in planning their curricular programs. However, students are responsible for their own course planning. Students are expected to thoroughly read and be familiar with the contents of this bulletin as well as other published information about the courses and requirements of the college. Questions concerning college regulations or requirements should be discussed with faculty advisers, student advisers, or members of the Student Counseling Service staff.



II. ACADEMIC INFORMATION

Academic Program Planning—Students are responsible for planning programs that will satisfy their own educational and vocational goals. The counseling staff, academic advisers, and teaching faculty are available to assist with such program planning, and students seek this assistance to assure well-organized and balanced programs of study as well as to avoid errors that might arise in planning. In preparing their programs students should use this bulletin in conjunction with the *UMM Class Schedule*. The *Class Schedule* lists all of the courses offered each quarter and the hours during which each class meets.

Courses and Credits—A minimum of 180 credits is required for graduation, to include the general education requirements and a major or area of concentration (see below). The number of courses required for graduation varies because courses are assigned varying amounts of credit (1-5 credits each).

The college year is divided into 3 quarters of approximately 11 weeks each. Except in special cases, full-time students carry 12-18 credits each quarter; an average course load is 15 credits, usually three or four courses, a quarter.

Course numbers reflect the level of difficulty of a course. Generally, courses numbered in the 1000s are introductory to a given subject-matter area while courses numbered in the 3000s offer more advanced study in the subject-matter area. Some courses require prerequisite course work or advanced class status for entrance while others do not. Students should plan their programs carefully to complete courses in the proper sequence.

Transfer Students—Students entering the University of Minnesota, Morris with advanced standing from some other institution must complete the same graduation requirements expected of other students. They must earn a minimum of 45 credits at UMM and must spend at least 2 quarters (completing 30 credits) of the senior year in residence.

Majors Offered—The University of Minnesota, Morris presently offers majors in the following disciplines:

art history	liberal arts for the human services
studio art	mathematics
biology	music
chemistry	philosophy
economics	physical education
elementary education	physics
English	political science
European studies	psychology
French	social science
geology	sociology
German	Spanish
health	speech communication
history	theatre arts
Latin-American area studies	

Specific requirements for these majors are listed in section III of this bulletin. Completion of a given major, however, usually involves fulfillment of more than the minimum requirements. Once a student has selected a major, he or she should seek the counsel of a faculty member in that discipline to plan a well-organized and balanced program.

Many students enter college with no clear choice of a major in mind. The purpose of a heavy concentration of general education requirements in the first 2 years is to acquaint students with the various disciplines from which they may select a major that best fits their interests and abilities.

Teacher Education—The requirements for teacher education are listed in section III. Students who intend to seek licensure as an elementary school teacher should contact the Division of Education as soon as possible if they expect to complete degree and licensure requirements in 4 years.

Students who intend to seek licensure as a secondary school teacher must select as a major a field that is taught in the secondary schools and must take a sequence of courses in secondary education. Such students should contact the Division of Education as soon as possible (no later than the spring quarter of their sophomore year) if they expect to complete degree and licensure requirements within 4 years.

Degree Requirements— The Two-Option Liberal Arts Program

Listed below are two curricular options that are available to students for the fulfillment of the requirements for the bachelor of arts degree. Option I provides a specific set of requirements that meet the criteria for a liberal education determined by the University. Option II provides no specific requirements and permits students to design an individualized curriculum to meet the liberal education criteria. Students can select their option as entering freshmen or later, after they have decided on their educational goals and are more familiar with the institution.

Liberal Education Criteria—All University of Minnesota students should acquire a background in the broad categories of knowledge suggested in the following statement from the All-University Policy on Liberal Education:

...In its broadest sense, a liberal education frees us from the limitations placed by ignorance on our powers of judgment and choice. Put in another way, a liberal education leads to the acquisition of a critical awareness applicable to a wide range of problems associated with the intellectual life, with our own and other cultures, with the community, and with interpersonal relationships and self-awareness.

The ways of knowing and kinds of knowledge that mark the thought and action of the liberally educated person include some skill in managing the instruments of inquiry and communication; some significant knowledge about nature, life, society, and human artistic and philosophic achievements; some understanding of the methods and purposes of humanists, natural scientists, and social scientists; and some command of a field of knowledge or an area of scholarly concentration.

There are numerous means through which students can fulfill their liberal arts education requirements. These include, but need not be limited to, regularly scheduled courses, directed studies (3900 series courses), undergraduate research participation programs, and credit by examination.

OPTION I—STANDARD CURRICULUM

The following graduation requirements must be completed by students who enter the University of Minnesota, Morris as freshmen beginning in the fall quarter of 1977 and by transfer students with 40 or more credits who enter UMM beginning in the fall of 1978.

Beginning in the fall of 1977, *all students* (including those enrolled prior to the fall of 1977) who plan to complete any major, area of concentration, or teacher education program *listed in this bulletin* must meet the requirements for the bachelor of arts degree outlined below.¹

¹Students who entered UMM prior to the fall of 1977 and returning UMM students who have interrupted their education for a period of time are permitted to utilize the graduation requirements and requirements for the major in force at any time during their period of enrollment provided the latter does not exceed 7 years.

Degree Requirements—The Two-Option Liberal Arts Program

I. GENERAL EDUCATION REQUIREMENTS (90 credits in liberal arts disciplines)

Students planning to graduate from UMM with a bachelor of arts degree must demonstrate that they have fulfilled the all-University liberal education distribution requirements. To assure compliance with these requirements, students must complete a minimum of 90 credits of course work in the Divisions of Humanities, Science and Mathematics, and Social Sciences. These 90 credits of general education course work must be completed outside of the discipline of the major and must include the minimum requirements listed under Categories A through E below. (Ten credits from the discipline of the major, if appropriate, may be applied to Category E, but the obligation to complete a total of 90 credits of general education course work outside of the discipline of the major remains.)

A. Freshman Composition (10 credits)

Ordinarily students will take Engl 1100 and either Engl 1101 or 1102 during their first year at UMM. On the basis of their performance in Engl 1100, students may be exempted from further work in freshman composition.

B. Social Sciences (15 credits)

At least 15 credits chosen from among the following disciplines: Anthropology, business economics (excluding BuEc 1210, 1215, 3210), economics, geography, history, political science, psychology, or sociology.

C. Natural Science and Mathematics (15 credits)

At least 15 credits chosen from among the following disciplines: Biology, chemistry, geology, mathematics, computer science, physical science, or physics.

D. Humanities (15 credits)

At least 15 credits chosen from among the following disciplines: Art history, studio art, English, French, German, humanities, music, philosophy, Spanish, speech, or theatre arts.

E. Communication, Language, and Symbolic Systems (10 credits)

1. Mathematics: At least 10 credits or equivalent proficiency in mathematics (including statistics), computer science, or econometrics (Econ 3400).

(or)

2. Foreign Language: At least 10 credits or equivalent proficiency in *one* foreign language (excluding courses in English translation). The communication, language, and symbolic systems requirement is waived for foreign students whose native language is not English.

(or)

3. Symbolic Systems in English: At least two of the following courses—Engl 3200, Modern Grammar; Engl 3220, Introduction to the English Language; Phil 1210, Introduction to Logic; Phil 3130, Philosophy of Logic; Phil 3140, Symbolic Logic; Phil 3320, Philosophy of Language; Spch 3131, Contemporary Theory: Language and Speech Communication.

II. DISCIPLINE CREDIT LIMITATION

No more than 60 of the 180 credits required for graduation may be taken in any *one* discipline.¹ For the purposes of this policy, all secondary education meth-

¹At UMM, courses of instruction are organized into groups concerned with a specific subject matter. Such groupings of courses carry a single designation, such as chemistry, history, mathematics, or philosophy. These organized groups of courses are formally referred to as "disciplines" and must not be confused with "majors." For a major, a student is often required to complete courses in several disciplines.

ods courses (ArtE 3940, BioE 3940, EngE 3940, EScE 3940, HthE 3940, LanE 3940, MthE 3940, MusE 3940, PEmE 3940, PScE 3940, SScE 3940, STHe 3940) are considered to belong to the education discipline (Ed). Freshman composition credits do not count toward the 60-credit maximum in English, nor do CLEP mathematics credits count toward the 60-credit maximum in mathematics.

III. MAJOR OR AREA OF CONCENTRATION

Students may complete a major in an academic discipline by fulfilling the requirements specified for that discipline in section III. Students who choose not to major in an existing academic discipline must show some command of a field of knowledge or an area of scholarly concentration as an alternative. (Approval procedures are initiated through the Office of the Academic Dean.)

IV. MINOR

A minor is *not* required for graduation. If a student elects to pursue a minor, courses from the general education requirements may be used for this purpose. Requirements for minors are listed in section III under each of the academic disciplines.

V. MINIMUM REQUIRED CREDITS—180

A student can fulfill the course requirements for graduation within the 180-credit minimum. *No more than 12 credits in Mus 1400 through 1440 and no more than 6 credits in PE 1500 through 1512 may be applied to the 180-credit minimum.* A student who chooses to pursue a particular educational program, such as a double major, a certain major combined with a certain minor, and/or licensure as a secondary school teacher, *may* have to complete more than the 180 credits required.

VI. QUALITY OF WORK

A student must earn a C average (2.00) in all work completed at the University, in all college work, and in the major or area of concentration.

VII. RESIDENCE

A student must earn 45 credits in the college and must spend at least 2 quarters (completing 30 credits) of the senior year in residence.

OPTION II—INDIVIDUALIZED CURRICULUM

I. APPROVED PROGRAM

Students planning to pursue an individualized curriculum must file an approved program with the Records Office. The program must satisfy the liberal education criteria in terms of both breadth of knowledge and area of concentration of study (see Degree Requirements above). Details of procedures for program planning and approval are presented below under the heading Option II Curriculum Development and Planning.

II. DISCIPLINE CREDIT LIMITATION

No more than 60 of the 180 credits required for graduation may be taken in any *one* discipline.¹ For the purposes of this policy, all secondary education methods courses (ArtE 3940, BioE 3940, EngE 3940, EScE 3940, HthE 3940, LanE 3940, MthE 3940, MusE 3940, PEmE 3940, PScE 3940, SScE 3940, STHe 3940) are considered to belong to the education discipline (Ed). Freshman composition credits do not count toward the 60-credit maximum in English, nor do CLEP mathematics credits count toward the 60-credit maximum in mathematics.

¹At UMM, courses of instruction are organized into groups concerned with a specific subject matter. Such groupings of courses carry a single designation, such as chemistry, history, mathematics, or philosophy. These organized groups of courses are formally referred to as "disciplines" and must not be confused with "majors." For a major, a student is often required to complete courses in several disciplines.

Degree Requirements—The Two Option-Liberal Arts Program

III. MAJOR OR AREA OF CONCENTRATION

Students may complete a major in an academic discipline by fulfilling the requirements specified for that discipline in section III. Students who choose not to major in an existing academic discipline must show some command of a field of knowledge or an area of scholarly concentration as an alternative. (Approval procedures are initiated through the Office of the Academic Dean.)

IV. MINOR

A minor is *not* required for graduation. If a student elects to pursue a minor, courses from the general education requirements may be used for this purpose. Requirements for minors are listed in section III under each of the academic disciplines.

V. MINIMUM REQUIRED CREDITS—180

A student can fulfill the course requirements for graduation within the 180 credit minimum. *No more than 12 credits in Mus 1400 through 1440 and no more than 6 credits in PE 1500 through 1512 may be applied to the 180-credit minimum.* A student who chooses to pursue a particular educational program, such as a double major, a certain major combined with a certain minor, and/or licensure as a secondary school teacher, *may* have to complete more than the 180 credits required.

VI. QUALITY OF WORK

A student must earn a C average (2.00) in all work completed at the University, in all college work, and in the major or area of concentration.

VII. RESIDENCE

A student must earn 45 credits in the college and must spend at least 2 quarters (completing 30 credits) of the senior year in residence.

OPTION II CURRICULUM DEVELOPMENT AND PLANNING

Individualized Curriculum Development—Students planning to pursue the individualized curriculum option should report to the Student Counseling Service for assistance in selecting a curriculum adviser. The curriculum adviser may be the student's freshman adviser but is normally a faculty member in the student's major field or area of concentration.

If the student plans a program involving study in two or more disciplines, one faculty member from each of the disciplines joins to form a Program Advisory Committee, which is chaired by the curriculum adviser. The student constructs a curriculum with the advice and help of this committee.

The student prepares a summary of his or her proposed program, and this summary is circulated to other faculty members in the discipline or disciplines involved for comment and suggestions.

The curriculum adviser or Program Advisory Committee is responsible for final approval of the student's curriculum. Upon approval, the curriculum is sent to the Option II Programs Committee.

Individualized Curriculum Plan—All students pursuing an individualized curriculum must file an approved curriculum plan with the Records Office. This is accomplished through the following procedures:

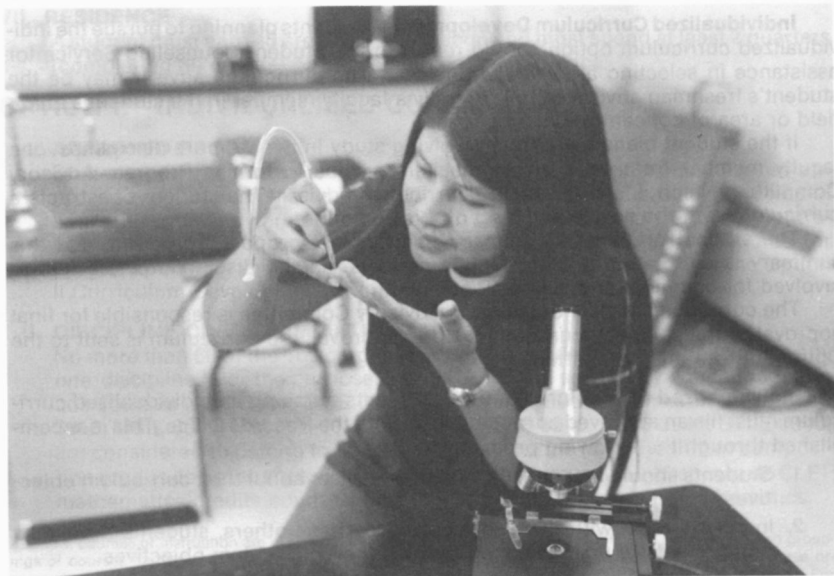
1. Students should first consult with their adviser about their curriculum objectives.
2. In consultation with their adviser and perhaps others, students develop a comprehensive plan designed to fulfill their curriculum objectives.

Academic Information

3. Students prepare a written summary of their proposed curriculum plan. This summary should include the following:
 - a. A statement of purposes and objectives pursuant to the all-University liberal arts criteria.
 - b. The title of the major or area of concentration.
 - c. A list of proposed courses or other experiences in the major or area of concentration.
 - d. A list of other proposed courses or experiences to comprise the balance of the degree program. The courses listed in items c and d should satisfy the purposes and objectives developed by the student. Learning activities other than classroom experiences should be clearly stated.

Note—Any courses to be taken through correspondence, extension, evening school, or at another institution should be indicated in the summary. UMM course listings should include the correct course number, title, and credits.

4. Students should submit their curriculum plan to their adviser for approval. The adviser will sign the curriculum plan and forward it to the Option II Programs Committee via the Office of the Academic Dean. A signed copy should be retained by the student; a second copy should be retained by the adviser; and a third copy should be forwarded to the Option II Programs Committee.
5. Any changes in the curriculum plan should be specified in writing, signed by the adviser, and forwarded to the Option II Programs Committee by the Office of the Academic Dean.



Preprofessional Programs

UMM students planning to earn degrees in professional or applied fields, such as agriculture, business administration, engineering, health sciences, law, or medicine, are required to complete 1 or more years of liberal arts studies before becoming eligible for admission to most professional curricula. This preprofessional course work is designed to prepare students for advanced course work in the professional curriculum and to fulfill the general education requirements for the bachelor's degree. If a student changes her or his academic objectives, credits earned in preprofessional courses may be applied toward the 180 credits required for another bachelor's degree program.

The University of Minnesota, Morris offers a variety of preprofessional fields. These programs are designed to meet *academic* requirements for admission to professional schools. In addition, preprofessional students must fulfill other requirements, such as minimum grade point average, satisfactory scores on standardized tests, and letters of reference, before being considered for admission to most professional schools and programs. During their first year of preprofessional preparation, students should consult bulletins of the professional school they plan to attend for admission requirements and application deadlines.

Preprofessional programs vary in flexibility of course requirements. Students should carefully outline their course selections at the beginning of their freshman year. The 2-year program should detail quarter by quarter the courses the student plans to take to fulfill the prerequisites for the professional curriculum as well as the general education requirements. Students are encouraged to explore other interests whenever scheduling permits. A well-designed program prevents unnecessary delay in fulfilling academic requirements and provides students with a sense of direction at the beginning of their college programs.

The required and suggested courses for each of the following preprofessional programs have been approved by the faculty of the professional schools of the University of Minnesota campus located in Minneapolis-St. Paul. Students who plan to attend a professional school at another campus or university should consult the appropriate college bulletin for requirements, courses, and procedures. College bulletins for University of Minnesota professional schools and for other institutions are available at the UMM Student Counseling Service on the second floor of Behmler Hall. Students are encouraged to consult bulletins, advisers, course instructors, and Student Counseling Service staff members for assistance with academic planning.

Pre-AGRICULTURE

The following courses are required for premajors in agricultural programs in the College of Agriculture at the University of Minnesota.

Pre-Agricultural Business Administration—90 credits minimum

A. Division of Humanities—20 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Speech (10)

Spch 1100 or 1101 and 3110

B. Division of Science and Mathematics—30 credits

Mathematics (5)

Math 1110

Statistics (5)

Math 3600

Academic Information

Plus 20 credits from laboratory science areas:
Biology, chemistry, geology, physics

C. Division of Social Sciences—37-40 credits

Accounting (10)
BuEc 1210, 1215
Economics (10)
Econ 1110, 1115
Psychology (5)
Psy 1100
Sociology (5)
Soc 1100

Plus 7-10 credits from anthropology, history, and/or political science

D. Other—10 credits

Additional courses from social sciences, humanities, and mathematics areas to complete a minimum of 90 credits

Pre-Agricultural Science and Industries—90 credits minimum

The program in agricultural science and industries offers majors in:

agricultural economics	entomology
agricultural engineering	horticulture
technology	plant health technology
agronomy	soil science
animal science	
agricultural education	
(1-year program only)	

A. Division of Humanities—15 credits

Freshman Composition (10)
Engl 1100, 1101 or 1102
Speech (5)
Spch 1100 or 1101

B. Division of Science and Mathematics—50-55 credits

Biology (10)
Biol 1110-1111
Chemistry (15-20)
Chem 1301, 1302, 1303 or Chem 1501, 1502
Chem 3313
Mathematics (5)
Math 1110 (additional mathematics recommended)
Physics (5)
Phys 1150 or 1200 (prereq Math 1201)
Plus three courses selected from the following (15 cr):
Biol 3200, Biol 3850, Chem 3314, Geol 1100, Phys 1151

C. Division of Social Sciences—15 credits

Economics (5)
Econ 1110

Plus 10 credits (not more than two courses in any one discipline) in the following areas:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

D. Other—0-5 credits

Additional courses to complete a minimum of 90 credits. Majors in agricultural education should transfer to the College of Agriculture on the St. Paul campus after 1 year of preprofessional work. Any courses selected from the above list will meet general education requirements for the pre-agricultural education curriculum.

Pre-Communication Science—90 credits minimum

This curriculum in communication science offers specializations in:
agricultural journalism technical communication

A. Division of Humanities—25-30 credits

Freshman Composition (10)
Engl 1100, 1101 or 1102
Speech (5)
Spch 1100 or 1101

Plus 10-15 credits selected from the following areas:
Art history, humanities, literature, music, theatre

B. Division of Science and Mathematics—15-20 credits

15-20 credits selected from laboratory courses in the science areas (should be taken during the freshman and sophomore years):
Biology, chemistry, geology, physical science, physics

C. Division of Social Sciences—10-15 credits

10-15 credits selected from the following areas:
Anthropology, economics (excluding accounting), history, political science, psychology, sociology. No more than 10 credits in any *one* discipline.

D. Requirements for Areas of Specialization

Pre-Agricultural Journalism

Econ 1110, 1115
Engl 3110
Hist 1200
Pol 1200
Spch 1400

Pre-Technical Communication

Math 1110

Additional credits to complete a minimum of 90 credits. Consult the *College of Agriculture Bulletin* for suggested courses.

Pre-Fisheries and Wildlife—90 credits minimum

This curriculum offers majors in:

fisheries wildlife

Admission to the professional programs is granted on a limited and selective basis. To qualify for admission, a student must complete all the courses listed below and a minimum of 90 credits with a grade point average of 2.75 or better. Acceptance to either program is based on previous academic achievement and other indicators of scholastic potential. Applications should be submitted prior to April 1 for entrance fall quarter and at least 2 months prior to the start of classes for entrance winter, spring, or summer quarter.

Academic Information

A. Division of Humanities—23-25 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Speech (5)

Spch 1100 or 1101

Plus 8-10 credits in the following areas:

Art history, humanities, literature, music, theatre

B. Division of Science and Mathematics—60-75 credits

Biology (25)

Biol 1110-1111, 3200, 3820, 3850

Chemistry (10-15)

Chem 1301, 1302, 1303 or Chem 1501, 1502 (preferred)

Geology (5)

Geol 1100

Mathematics (5-15)

Math 1140 or 1201-1202-1203 (additional calculus beyond 1140 is not required but is strongly recommended)

Physics (15)

Phys 1150, 1151, 1152 or Phys 1200, 1201, 1202

C. Division of Social Science—14-15 credits

Economics (5)

Econ 1110

Political Science (5)

Pol 1200

Plus 4-5 credits in the following areas:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

D. Other—5-10 credits

Pre-Fisheries

Biol 3400, 3710

Chem 3110

Pre-Wildlife

Biol 3700

Chem 3313

Pre-Food Science and Nutrition—90 credits minimum

This curriculum in food science and nutrition includes four separate programs:

consumer food science

hospitality and food service

food science and technology

management

nutrition and dietetics

Each program offers several options or specializations. Students interested in careers in the areas of processing, manufacturing, and distributing food; preparing and serving food in the home and in hotels, restaurants, or institutions; and nutritional properties of food as related to human requirements should review the various options or areas of emphasis available in each of the above programs. For additional information, consult the College of Agriculture or College of Home Economics bulletins.

A. Division of Humanities—20 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Plus 10 credits in the following areas:
Art history, humanities, literature, music, theatre.

B. Division of Science and Mathematics—30-35 credits

Biology (5)
Biol 1110
Chemistry (10-15)
Chem 1301, 1302, 1303 or Chem 1501, 1502
Physics (15)
Phys 1150, 1151, 1152

C. Division of Social Sciences—20 credits

Economics (10)
Econ 1110, 1115
Psychology (5)
Psy 1100
Sociology (5)
Soc 1100

D. Requirements for Specific Programs

Pre-Consumer Food Science
Spch 1100 or 1101

Pre-Food Science and Technology
Math 1112, 1140 (1200 series course work recommended but not required)
Spch 1100 or 1101

Pre-Hospitality and Food Service Management
Math 1110, 3600 (hospitality management)
Math 1112, 1140 or 1200 series courses (food service management)
Psy 1110

Pre-Landscape Architecture—45 credits minimum

A bachelor's degree in landscape architecture is offered by both the College of Agriculture and the Institute of Technology. The requirements for the College of Agriculture program are described below. For requirements for the Institute of Technology program, see Pre-Architecture and Landscape Architecture.

Application procedures include completion of Form LA 1110b (available from the Minneapolis Office of Admissions and Records), an interview or correspondence with a minimum of two members of the landscape architecture faculty before filing an application, and submission of Form 1110b before May 1 of the year of entry. A minimum of 30 credits of acceptable college courses must be completed prior to application. Students planning to apply to this program are urged to contact the Department of Horticultural Science and Landscape Architecture, College of Agriculture, University of Minnesota, St. Paul, Minnesota 55108, during the first quarter of their preprofessional program.

A. Division of Humanities—16 credits

Art, Studio (6)
ArtS 1500, 1501, 1502
Freshman Composition (10)
Engl 1100, 1101 or 1102

B. Division of Science and Mathematics—15 credits

Chemistry (5)
Chem 1301 or 1501
Mathematics (10)
Math 1112, 1201

Academic Programs

C. Division of Social Sciences—10 credits

- Economics (5)
Econ 1110
- Sociology (5)
Soc 1100

D. Other

Selected course(s) from the following to complete a minimum of 45 credits:
Biol 1110-1111, Geog 1000

Pre-Resource and Community Development—90 credits minimum

The curriculum in resource and community development offers majors in:

- resource economics
- recreational resource management (offered in College of Forestry only)
- soil and water resource management

A. Division of Humanities—23-25 credits

- Freshman Composition (10)
Engl 1100, 1101 or 1102
- Speech (5)
Spch 1100 or 1101

Plus 8-10 credits in the following areas:

Art history, humanities, literature, music, theatre

B. Division of Science and Mathematics—35-40 credits

- Biology (15)
Biol 1110-1111, 3850
- Chemistry (10-15)
Chem 1301, 1302, 1303 or Chem 1501, 1502
- Mathematics (5)
Math 1110
- Physics (5)
Phys 1150

C. Division of Social Sciences—15 credits

- Economics (10)
Econ 1110, 1115
- Sociology (5)
Soc 1100

A minimum of 20 credits selected from courses in social science areas. No more than 10 credits can be in any *one* discipline:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

D. Requirements for Specific Programs

Pre-Resource Economics

- Math 1140 or 1201-1202-1203 (1200 series course work recommended but not required)
- Phys 1151
- Spch 3310

Pre-Recreational Resource Management

- Geog 1000
- Geol 1100

Math 1140 or 1201-1202-1203 (1200 series course work recommended but not required)

Pol 3310

Psy 1100

Spch 3310

Pre-Soil and Water Resource Management

Geog 1000

Geol 1100

Math 1140 or 1201

Phys 1151

Consult the University of Minnesota *College of Agriculture Bulletin* for suggested courses for resource and community development majors.

Pre-ARCHITECTURE AND LANDSCAPE ARCHITECTURE

The University of Minnesota School of Architecture and Landscape Architecture offers three undergraduate degree curricula in architecture and in landscape architecture. Students interested in either field must complete specified preparatory course work before they can become eligible for acceptance to a curriculum in the School of Architecture and Landscape Architecture. The preparatory course work requires a minimum of 1 year to 2 or more years, depending on the curriculum chosen and the student's educational goals. For additional information regarding curricular offerings, consult the *Institute of Technology Bulletin*.

Pre-Architecture—90 credits minimum (bachelor of arts only)

The three curricula in architecture leading to the bachelor's degree are:

Bachelor of Architecture—The architecture curriculum is intended for students who plan to practice architecture as a profession. The bachelor of architecture degree, when supplemented with practical experience, will qualify graduates for admission to registration examinations required of practicing architects by state law. This degree program is offered through the Institute of Technology and requires a minimum of 1 year of preprofessional preparation. The courses listed below are required for the preprofessional program. Students interested in pursuing the bachelor of architecture program should plan to transfer to the Institute of Technology after completing these required courses. Application to the School of Architecture and Landscape Architecture should be filed on Form AR110 with a Change of College Within the University form (forms are available at the UMM Records Office) before May 1 for transfer the following fall quarter. Only students who have a minimum grade point average of 3.00 (B) and have completed the required courses will be considered for acceptance. Admission to the architecture program is not automatic.

Bachelor of Environmental Design—The environmental design curriculum offers exposure to design. Completion of this nonprofessional degree program qualifies the student for continued study toward the bachelor of architecture degree, application for graduate study in architecture, or continued study in city design, city and regional planning, or product design. The environmental design curriculum requires a minimum of 1 year in pre-environmental design course work followed by 3 years of advanced study of design in the School of Architecture and Landscape Architecture.

Bachelor of Arts (Major in Architecture)—The 4-year bachelor of arts curriculum with a major in architecture is intended for students wishing to combine the study of architecture with a liberal education. This nonprofessional degree program prepares students for advanced study. Students are enrolled in the College of Liberal Arts throughout the 4-year program. Design courses are taken in the School of Architecture and Landscape Architecture during the last 2 years of the program.

Required courses for the bachelor's degree in architecture or environmental design can best be completed in the Institute of Technology in Minneapolis rather than at UMM.

A. Division of Humanities—33-37 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Modern Language (23-27)

The second language requirement for the B.A. degree in the College of Liberal Arts, Minneapolis campus, can be met in one of two ways¹:

1. Complete through the fifth quarter (at least 23 credits) study in a language other than the native tongue. Proficiency in a second language at an equivalent level will apply toward this requirement.
2. Complete at least 15 credits in a second language or pass a validation examination at that level and complete 12 credits in courses concerned with a country or countries that use the language chosen.

Additional courses may be selected from the following areas to satisfy general education requirements:

Art history, studio arts, humanities, music, theatre

B. Division of Science and Mathematics—30 credits

Mathematics (15)

Math 1201-1202-1203

Physics (15)

Phys 1150, 1151, 1152 or Phys 1200, 1201, 1202

C. Division of Social Sciences—5-10 credits

Selection may be made in the following areas:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

All requirements listed above do not have to be completed during the freshman and sophomore years.

Pre-Landscape Architecture—45 credits minimum

Landscape architecture offers degree programs similar to those in architecture: bachelor of landscape architecture, bachelor of environmental design (landscape architecture), and bachelor of arts (major in landscape architecture). Only the bachelor of landscape architecture degree program leads to eligibility for professional licensure. The B.L.A. program is offered jointly by the College of Agriculture and Institute of Technology. A student may enroll in either college to pursue this degree. A 1-year preprofessional program must be completed before a student can qualify for admission to the professional program. Application Form LA 110b and a Change of College Within the University form (forms are available at the UMM Records Office) should be submitted before May 1 for transfer the following fall quarter. Acceptance to the program is based on the academic achievement, maturity, and experience of

¹Students should consult the CLA Bulletin for complete details regarding the second language requirement.

the candidate and the availability of faculty. Listed below are required courses and general education requirements for the bachelor of landscape architecture degree.

Students interested in pursuing the bachelor's program in environmental design (landscape architecture) should consult the bulletin from IT or the College of Agriculture and should confer with their adviser about course selection for this program. Students interested in pursuing the bachelor of arts program with a major in landscape architecture should consult the bulletin of the College of Liberal Arts.

A. Division of Humanities—10 credits

Freshman Composition (10)
Engl 1100, 1101 or 1102

B. Division of Science and Mathematics—20 credits

Chemistry (5)
Chem 1301 or 1501
Computer Science (5)
CSci 1110, 3100
Mathematics (5)
Math 1110
Statistics (5)
Math 3600

C. Division of Social Sciences—10 credits

Economics (5)
Econ 1100
Sociology (5)
Soc 1100

Pre-BUSINESS ADMINISTRATION—80-90 credits minimum

Students planning to earn a bachelor's degree in business administration should transfer to the College of Business Administration of the University of Minnesota for their junior and senior years. The requirements for admission to the business administration program are: (1) an overall grade point average of 2.50 or above for the regular business curriculum and 2.70 or above for the accounting curriculum; (2) completion of a minimum of 80 transferable college credits; and (3) completion of all but three of the required courses (listed below by course numbers) in the pre-business curriculum, plus 8 credits of electives in the humanities area.

A. Division of Humanities—18 credits

Freshman Composition (10)
Engl 1100, 1101 or 1102

Plus 8 credits (must be completed for admission) selected from courses in the humanities areas:

Art, foreign language literature, humanities, literature, music, speech, theatre

B. Division of Science and Mathematics—25 credits

Mathematics (ABC-NR grading only) (15)
Math 1201-1202, 3600
(or)

Math 1110 or 1112, 1140, 3600

Plus 10 credits from biological and physical sciences areas (at least one laboratory science required):

Biology, chemistry, geology, physical science, physics

Academic Information

C. Division of Social Sciences—30 credits

- Accounting (10)
 - BuEc 1210, 1215 (ABC-NR grading only)
- Economics (10)
 - Econ 1110, 1115
- Psychology (5)
 - Psy 1100
- Sociology (5)
 - Soc 1100

D. Other

Additional elective courses to complete a minimum of 80 credits. Students planning to specialize in accounting should select Engl 3110, Advanced Composition.

Students who are planning to earn a bachelor's degree at UMM and then apply to the master's degree program in business administration on the Minneapolis campus should consult with a UMM business economics or economics instructor about admission requirements.

Pre-COMPUTER SCIENCE—45 credits minimum

A major in computer science is offered in both the College of Liberal Arts and the Institute of Technology on the Twin Cities campus. Both curricula are designed to provide a broad base in the foundation subjects of computer science. The premajor program outlined below serves to prepare students for courses in computer science and to partially fulfill the liberal education requirements for a bachelor's degree. Students who plan to complete a 4-year degree program are advised to transfer to the Twin Cities campus after the freshman year. A second-year program is possible at UMM, but additional time will be necessary to complete the required computer science courses offered only on the Twin Cities campus. Students who plan a 2-year pre-computer science program at UMM should take mathematics courses beyond the calculus level. Consult the *Institute of Technology Bulletin* or the *College of Liberal Arts Bulletin* for specific mathematics requirements.

A. Division of Humanities—10 credits

- Freshman Composition (10)
 - Engl 1100, 1101 or 1102

B. Division of Science and Mathematics—35 credits

- Computer Science (5)
 - CSci 1110, 3100
- Mathematics (15)
 - Math 1201-1202-1203
- Physics (15)
 - Phys 1200, 1201, 1202

C. Division of Social Sciences—0-15 credits

Selection may be made in the following areas:

- Anthropology, economics (excluding accounting), history, political science, psychology, sociology

D. Other

Students planning to transfer to the College of Liberal Arts curriculum in computer science may wish to begin study of a second language, which is a general education requirement for the bachelor of arts degree. Consult the *College of Liberal Arts Bulletin* for CLA liberal education requirements.

Pre-DENTISTRY—135 credits minimum

Students planning to earn the doctor of dental surgery degree at the School of Dentistry on the Minneapolis campus must complete a minimum of 135 credits in a science-based liberal arts curriculum before applying for admission to the professional program. The minimum grade point average required for admission is a 2.00 (C), but acceptance is on a competitive basis and an average well above a 2.00 is necessary.

Applications for admission to the School of Dentistry should be filed between August 1 and December 1 prior to the fall quarter of desired entry. In addition to completion of the required preprofessional program, students must submit results from the Dental Admission Test (DAT), Strong-Campbell Interest Inventory (SCII), and Minnesota Multiphasic Personality Inventory (MMPI). The DAT is prepared by the American Dental Association and is administered on the Morris campus on specific test dates in October, January, and April. Results from the January and April tests will not be available in time to meet the application deadline for the following fall term. Subsequently, the October test date is recommended for individuals applying to dental school for the following fall quarter. The *Dental Admission Test Bulletin of Information* (includes application and test dates) is available at the Student Counseling Service. The required standardized inventories on personality (MMPI) and on interests (SCII) can be administered upon request at the UMM Student Counseling Service on the second floor of Behmler Hall. A minimum scoring fee is charged for these two inventories.

Individuals considering applying to the U of M School of Dentistry are requested to obtain directly from the School of Dentistry the most current information regarding application procedures and requirements.

The following courses are required or recommended by the School of Dentistry to fulfill the minimum basic requirements for the professional curriculum in dentistry.

A. Division of Humanities—12 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Additional credits in literature (including humanities) or speech to satisfy the minimum requirement of 12 credits

B. Division of Science and Mathematics—50-55 credits

Biology (10)

Biol 1110-1111

Chemistry (20-25)

Chem 1301, 1302, 1303 or Chem 1501, 1502

Chem 3313, 3314

Mathematics (5)

Math 1110

Physics (15)

Phys 1150, 1151, 1152

C. Division of Social Sciences—14-15 credits

Psychology (5)

Psy 1100

Plus 9-10 additional credits from the following areas:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

D. Other

Additional elective courses to complete 135 credits should be distributed between humanities, mathematics, science, and social sciences.

Pre-ENGINEERING—90 credits minimum

The freshman and sophomore years in the professional programs in engineering are designed to prepare students for advanced courses in engineering. Students are also encouraged to fulfill general education requirements in the humanities and the social sciences during these first 2 years. The following courses constitute minimum basic requirements for premajors in engineering at the Institute of Technology on the Minneapolis campus. Students are urged to consult the *Institute of Technology Bulletin* for specific requirements for the various engineering programs.

A. Division of Humanities—18-20 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Plus 8-10 credits in humanities areas:

Art history, humanities, literature, music, theatre

B. Division of Science and Mathematics—57-67 credits

Chemistry (10-15)

Chem 1301, 1302, 1303 or Chem 1501, 1502

Mathematics (27)¹

Math 1201-1202-1203, 3202, 3203, 3300

Physics (15-20)

Phys 1200, 1201, 1202, 1510 (1510 is not required for chemical engineering)

Plus 5 credits in laboratory science areas:

Biology, chemistry, geology, or physics

C. Division of Social Sciences—15 credits

Selection may be made in the following areas:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

D. Requirements for Specific Programs

Pre-Chemical Engineering

Chemistry (15)

Chem 3313, 3314, 3315 or 3510, 3511, 3512

Students should consult chemistry instructors for assistance in selecting advanced chemistry courses.

Pre-Electrical Engineering

Mathematics (4)

Math 3205

Pre-Geo-Engineering

Geology (5)

Geol 1100

Pre-Mineral Engineering

Chemistry (5)

Chem 3110

Pre-FORESTRY—80-90 credits minimum

A 3½-week summer term at the Lake Itasca Forestry and Biological Station at Itasca State Park is required of all forest resources and forest science majors between the sophomore and junior years. Students who major in these two areas must have a minimum grade point average of 2.00 (C) and must have completed 80-90

¹The Institute of Technology does not allow credit for Math 1110.

credits of required or recommended courses. To qualify for attendance at the Itasca Forestry Session, students may not have earned more than 5 credits of D grade in their lower division required courses. The required courses are designated by double asterisks (**) in the outline of courses listed below. Transfer students in forest resources and forest science must complete or be in the process of completing the required courses before applying for admission to the Itasca summer session and following fall term. The deadline for application is July 1.

A controlled enrollment policy at the Lake Itasca facilities limits the attendance to 125 students per session because of danger to the ecology of the park. Only students who have completed all required courses (designated by the double asterisks), high school trigonometry (Math 1110 will satisfy this requirement), and high school mechanical drawing will be eligible for admission. If there are more eligible students than can be accommodated, selection will be based on criteria for judging probability of success in completion of the program.

The freshman and sophomore years in the preprofessional programs for all forestry curricula are designed to prepare students for advanced courses in forestry and to partially fulfill general education requirements. The following required and recommended courses fulfill minimum basic requirements for majors in the College of Forestry on the St. Paul campus. Prospective majors are urged to consult the *College of Forestry Bulletin* for specific requirements for various options within the forestry curricula.

A. Division of Humanities—15 credits

Freshman Composition (10)**

Engl 1100, 1101 or 1102

Speech (5)**

Spch 1100 or 1101

B. Division of Science and Mathematics—50-78 credits

Biology (10)**

Biol 1110-1111

Chemistry (10-15)**

Chem 1301, 1302, 1303 or Chem 1501, 1502

Computer Science (5)**

CSci 1110, 3100

Mathematics (15-28)**

Math 1110, 1140 or 1201

Math 3600 (or Math 3610-3611 for students with a strong mathematics background)

Note: Forest resources and forest science majors are required to take Math 1110, 1201-1202-1203, and 3610-3611.

Geology (5)**

Geol 1100

Physics (5-15)**

Phys 1150

Note: It is recommended that forest resources and forest science majors take Phys 1201, 1202, 1203.

C. Division of Social Sciences—15 credits

Economics (10)**

Econ 1110, 1115

Plus 5 credits in the following areas**:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

D. Specializations and Options in Forestry

Pre-Forest Resources Options

- Ecosystems and Silviculture
- Forest Management
- Management and Administration
- Measurements and Informational Systems

Pre-Forest Science Specializations

- Natural Sciences
- Social Sciences

Pre-Forest Products Specializations

- Marketing
- Paper and Pulp
- Production Management
- Residential Housing
- Wood Science and Technology

Pre-Recreational Resource Management

Pre-HOME ECONOMICS—45-90 credits minimum

Students planning a major in home economics have a variety of options from which to choose. Some majors in home economics are oriented toward humanities and social sciences while others stress the natural and physical sciences. The programs offered are:

- | | |
|-----------------------------|---|
| consumer food science | hospitality and food service management |
| costume design | housing |
| family relationships | interior design |
| food science and technology | nutrition and dietetics |
| general design | retail merchandising |
| general home economics | textiles and clothing |
| home economics education | |

First-year students who are undecided about a major but are interested in a program in home economics may distribute their course work between humanities, science, and social science offerings, since general education requirements must be met in all home economic curricula for the bachelor's degree. Students planning a home economics major who are still undecided at the end of their first year may wish to transfer to the College of Home Economics on the St. Paul campus for further educational exploration. Some students may wish to complete 2 years of liberal arts studies before declaring a major.

Students are urged to review the pre-home economics listings below to become aware of the requirements for the various options and specializations available in the College of Home Economics on the St. Paul campus. Additional information about these options and specializations is detailed in the *College of Home Economics Bulletin*.

A. Core Requirements for All Home Economics Curricula

Division of Humanities—20-24 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Speech (5) (elective credits for nutrition and dietetics majors)

Spch 1100

Plus 5-9 credits in the following areas:

Art history, humanities, literature, Introduction to Music (Mus 1200),

Introduction to Theatre Arts (Th 1500)

Division of Social Sciences—20 credits

Economics (10)

Econ 1100, 1115

Psychology (5)

Psy 1100

Sociology (5)

Soc 1100

B. Recommendations for Specific Home Economics Programs

Pre-Consumer Food Science

Biology (5)

Biol 1110

Chemistry (20-25)

Chem 1301, 1302, 1303 or 1501, 1502

Chem 3313, 3314

Mathematics (5)

Math 1110

Physics (10)

Phys 1150, 1151

Pre-Costume Design

One course in a science area other than chemistry (may be a nonlaboratory course):

Biology, geology, physical science, or physics

Pre-Family Relationships

Biology (5)

Biol 1110

Mathematics (5)

Math 1110

One course in a science area other than biology (may be a nonlaboratory course):

Chemistry, geology, physical science, or physics

Pre-Food Science and Technology

Biology (5)

Biol 1110

Chemistry (10-15)

Chem 1301, 1302, 1303 or 1501, 1502

Mathematics (5)

Math 1110 or 1112 or 1140

Physics (10)

Phys 1150, 1151

A minimum of 14 credits in social science areas:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

Pre-General Design

A minimum of 9 credits in science areas:

Biology, chemistry, geology, physical science, physics

A minimum of 4 credits in social science areas:

Anthropology, economics (excluding accounting), history, political science, sociology

Pre-General Home Economics

Anthropology (5)

Anth 1110

A minimum of 18 credits in science to include one physics course, one biology course, and one nonlaboratory chemistry course to be taken at St. Paul.

Academic Information

Pre-Home Economics Education

Health (5)

Hlth 1700, 1710

Students planning to teach high school home economics are advised to transfer to the College of Home Economics after 1 year of general education courses.

Pre-Hospitality and Food Service Management

Biology (5)

Biol 1110

Chemistry (10-15)

Chem 1301, 1302, 1303 or 1501, 1502

Mathematics (10)

Math 1110, 1120 or 1140

Pre-Housing

Anthropology (5)

Anth 1110

Computer Science (3)

CSci 1110

Political Science (5)

Pol 1200

A minimum of 9 credits (two courses) in science areas; one course must be in physics:

Biology, chemistry, geology, physical science, physics

Pre-Interior Design

Accounting (5)

BuEc 1110

A minimum of 5 credits (one course) in a science area other than chemistry:

Biology, geology, physical science, physics

Pre-Nutrition and Dietetics

Biology (5)

Biol 1110

Chemistry (20-25)

Chem 1301, 1302, 1303 or 1501, 1502 and 3313, 3314

Mathematics (5)

Math 1110

Pre-Retail Merchandising

Mathematics (5)

Math 1120

One course in a science area other than chemistry (may be a nonlaboratory course):

Biology, geology, physical science, or physics

Pre-Textiles and Clothing

Biology (5)

Biol 1110

Chemistry (10-15)

Chem 1301, 1302, 1303 or 1501, 1502

Pre-JOURNALISM AND MASS COMMUNICATION—

45 credits minimum

This curriculum offers a choice of four sequences:

advertising

news-editorial

broadcast journalism

photo communication

Students must select one of the sequences during the second year of preparation. Students who delay in making a choice may find that some of the course work they have completed is not applicable to their degree.

The School of Journalism and Mass Communication is part of the College of Liberal Arts (CLA) on the Minneapolis campus. Students planning a major in journalism must apply to CLA for admission. The first year of preparation concentrates primarily on liberal arts studies that satisfy CLA distribution requirements. UMM students are advised to transfer to CLA after completing 45 credits of liberal arts study in order to complete specific introductory journalism courses and proficiency tests in English and typing that are required before they can be accepted as a major in the School of Journalism and Mass Communication. Brochures describing journalism programs are available upon request from the School of Journalism and Mass Communication, University of Minnesota, Minneapolis, Minnesota 55455.

The following courses are required or recommended by the School of Journalism and Mass Communication to prepare for journalism study and fulfill CLA distribution requirements. Students need only select 45 credits from the courses listed.

A. Division of Humanities—51-60 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Modern Language (23-27)

The second language requirement for the B.A. degree in the College of Liberal Arts, Minneapolis campus, can be met in one of two ways¹:

1. Complete through the fifth quarter (at least 23 credits) study in a language other than the native tongue. Proficiency in a second language at an equivalent level will apply toward this requirement.
2. Complete at least 15 credits in a second language or pass a validation examination at that level and complete 12 credits in courses concerned with a country or countries that use the language chosen.

Plus 6-8 credits selected from the following humanities areas:

Advanced composition, philosophy, speech

Plus 12-15 credits selected from the following humanities areas:

Art history, humanities, literature, music, theatre

B. Division of Science and Mathematics—12-15 credits

12-15 credits selected from biological and physical sciences areas (at least one laboratory science required):

Biology, chemistry, geology, physical science, physics

All mathematics courses will apply to group A of the all-University liberal education distribution requirements.

C. Division of Social Sciences—15 credits

Economics (10)

Econ 1110, 1115

Political Science (5)

Pol 1100

Pre-LAW—Bachelor's degree minimum

There is no specific preparatory program for law school. Students are advised to plan a bachelor's degree program that provides a broad background in the humanities, mathematics, sciences, and social sciences. Students should select an academic major based on their special area of interest and abilities, to insure a depth of

¹The second language requirement is mandatory for a journalism degree. Students may elect to start taking course work to complete this requirement after transferring, to avoid discontinuity.

knowledge in one field. It is strongly recommended that a course in advanced composition be completed during the junior year. Students are encouraged to take courses that require independent thought and writing and to develop, through course work or activities, their skills of oral expression.

Admission to law school usually requires a bachelor of arts degree or its equivalent (a well-balanced academic program for the bachelor of science or bachelor of business administration) and a satisfactory score on the Law School Admission Test (LSAT) given by the Educational Testing Service. Students are advised to consult bulletins of individual law schools for details on admission requirements. If the Law School Admission Test is required, students should plan to take the test no later than December of their senior year.

The University of Minnesota Law School participates in the Law School Data Assembly Service (LSDAS), which provides a summary of the academic work of applicants, copies of their college transcripts, and their LSAT scores. Applicants are required to submit the LSAT/LSDAS registration form and to have their college transcripts sent directly to the service. It is preferred that applicants register with the LSDAS and take the LSAT at least 6 weeks before the March 1 application deadline. *LSAT/LSDAS Information Bulletins* and applications are available at the UMM Student Counseling Service on the second floor of Behmler Hall.

Pre-LIBRARY SCIENCE—Bachelor's degree minimum

The professional program in library science at the University of Minnesota Library School is a graduate-level program that offers basic preparation for work in all types of libraries—academic, public, and special. Students planning to enter this graduate program are advised to plan a bachelor of arts degree program with a broad range of course work in the humanities, sciences, and social sciences. A strong concentration (major) in at least one subject field or in an interdisciplinary program is also necessary. A foreign language, although not required for admission to the library science curriculum, is strongly recommended.

The admission requirements are: a bachelor of arts degree, evidence of high academic achievement in undergraduate study, a satisfactory score on the Miller Analogies Test, and acceptance by both the Graduate School and the Library School.

Students who hold a valid teaching license and who wish to be licensed as a school librarian or media generalist should apply for admission to the master's degree program. Upon completion of 25 credits of prescribed course work for school librarian or 38 credits for media generalist, students are eligible for licensure. Graduate credits earned in these programs are applicable to the requirements for the master's degree.

Application for admission to the library science program should be filed with the Graduate School and the Library School before February 15 for entry the following summer or fall term. Application materials may be obtained from the Graduate School, 322 Johnston Hall, 101 Pleasant Street S.E., University of Minnesota, Minneapolis, Minnesota 55455.

Pre-MEDICAL TECHNOLOGY—90 credits minimum

The freshman and sophomore years of the medical technology program at the University of Minnesota serve to prepare the student for advanced courses in medical technology and to partially fulfill the general education requirements for the bachelor of science degree.

Students are eligible for admission to the Division of Medical Technology on the Minneapolis campus after they have completed a minimum of 90 credits with a satisfactory grade point average in required courses. Application to this program should be made by April 15 for entry the following fall quarter.

Students seeking entry fall quarter should contact the Director, Division of Medical Technology, 5307 Powell Hall, 500 Essex Street S.E., University of Minnesota, Minneapolis, Minnesota 55455, before May 1 to ascertain their transfer status in the program. If necessary, the student could attend the summer session prior to the fall quarter to complete requirements.

The following required and recommended courses fulfill the requirements for the preprofessional program in medical technology.

A. Division of Humanities—18-20 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Plus 8-10 credits selected in the following areas:

Art history, humanities, literature, music, speech, theatre

B. Division of Science and Mathematics—55-60 credits (ABC-NR grading only)

Biology (10)

Biol 1110-1111

Chemistry (25-30)

Chem 1301, 1302, 1303 or Chem 1501, 1502

Chem 3110, 3313, 3314

Mathematics (5)

Math 1110 or 1112

Physics (15)

Phys 1150, 1151, 1152

C. Division of Social Sciences—5-10 credits

5-10 credits selected in the following areas:

Anthropology, economics (introductory or principles), history, political science, psychology, sociology

D. Other

Required: PE 3301

Recommended: Chem 3120

Pre-MEDICINE—135 credits minimum (a bachelor's degree is preferred)

Students planning to enter a school of medicine should complete a bachelor's degree program before applying for admission. The minimum requirements for many schools of medicine are completion of a total of 135 quarter credits (3 years) and the required courses listed below. Whether students apply with 3 years of preparation or a bachelor's degree, they are encouraged to apply to more than one school of medicine.

The medical schools at Minneapolis, Duluth, and Rochester participate in the American College Application Service (AMCAS). The AMCAS application should be filed between July 1 and November 15 of the preceding year for entry to medical school the following fall. Premedical students should inquire about this application service during their junior year.

Students using AMCAS are required to take the Medical College Admission Test (MCAT). This test is also required or strongly recommended by most medical schools in the United States. The MCAT is administered on the Morris campus in the fall and spring of each year. It is recommended that students take the MCAT during the spring testing period of their junior year. Application forms for AMCAS and *Medical School Admissions Test Bulletins of Information*, which include test dates and application forms, are available at the UMM Student Counseling Service on the second floor of Behmler Hall.

Academic Information

Students who plan to apply to the University of Minnesota Medical School at Minneapolis or the Mayo Medical School at Rochester are required to submit results from the Strong-Campbell Interest Inventory and the Minnesota Multiphasic Personality Inventory. (At the present time these inventories are not required by the medical school at UMD.) These two standardized inventories can be administered by the UMM Student Counseling Service upon request.

Students are encouraged to write the Medical School Office, 139 Owre Hall, Minneapolis, Minnesota 55455, for information about premedical programs.

The following required and recommended courses fulfill the minimum basic requirements for the professional program of the University of Minnesota Medical School.

A. Division of Humanities—10 credits (minimum)

Freshman Composition (10)

Engl 1100, 1101 or 1102

B. Division of Science and Mathematics—60-65 credits (minimum)

Biology (10)

Biol 1110-1111

Chemistry (25-30)

Chem 1301, 1302, 1303 or Chem 1501, 1502

Chem 3110, 3313, 3314

Mathematics (10)

Math 1201-1202

Physics (15)

Phys 1200, 1201, 1202

C. Division of Social Sciences—27 credits (minimum)

27 credits selected in the following areas:

Anthropology, economics (excluding accounting), history, political science, psychology, sociology

Foreign language elective credits can be applied to the social science requirement.

D. Other

The remainder of electives for the bachelor of arts degree should be distributed throughout the humanities, mathematics, sciences, and social sciences.

Pre-MORTUARY SCIENCE—90 credits minimum

The freshman and sophomore years of the mortuary science program serve to prepare the student for professional course work in mortuary science as well as to provide a sound liberal arts background.

The following required and recommended courses fulfill the requirements necessary for admission to the Department of Mortuary Science of the University of Minnesota.

A. Division of Humanities—24 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Speech (5)

Spch 1100 or 1101

Plus 9 credits in the following areas:

Art history, humanities, literature, music, theatre

B. Division of Science and Mathematics—20 credits

Biology (10)

Biol 1110-1111

Chemistry (5)

Chem 1301 or 1501

Plus 5 credits selected in laboratory science areas:

Biology, chemistry, physical science, physics

C. Division of Social Sciences—25 credits

Accounting (5)

BuEc 1210

Anthropology (5)

Anth 1100 or 1110

Psychology (5)

Psy 1100

Sociology (5)

Soc 1100

Plus 5 credits selected in the following areas:

Advanced anthropology, advanced psychology, advanced sociology

D. Other

Required: Hlth 1700

Additional electives to complete the 90-credit requirement

Pre-NURSING—45 credits minimum

Students planning to apply to the bachelor of science degree program in nursing at the University of Minnesota School of Nursing must complete a minimum of 45 credits in designated course work before being eligible for admission. Required course work must be completed by June 30 to enter the professional program the following fall quarter. Students must complete two-thirds of all required course work on the ABC-NR grading system.

The criteria used to evaluate and select applicants for admission are grades earned in all previous college courses (a minimum overall grade point average of 2.50 is required), high school rank, and results from the Scholastic Aptitude Test. If the number of applicants exceeds the space available, first priority will be given to Minnesota residents and to residents of states with which reciprocity agreements exist. Second priority will be given to nonresidents enrolled at the University of Minnesota and its coordinate campuses. Third priority will go to nonresidents of other Minnesota colleges and to applicants from colleges outside the state of Minnesota.

Applications to the School of Nursing of the University of Minnesota must be submitted prior to March 1 to be considered for admission for the following fall quarter. Because applications will be submitted before completion of spring quarter, students must explain, when they apply, how they plan to complete the required pre-nursing courses during the spring and summer.

The following courses fulfill the minimum basic requirements that students must complete before they can be accepted into the professional nursing curriculum at the University of Minnesota.

A. Division of Humanities—10 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Academic Information

B. Division of Science and Mathematics—15-20 credits

Biology (5)

Biol 1000 or 1110

Chemistry (10-15)

Chem 1301, 1302, 1303 or Chem 1501, 1502 (latter sequence recommended)

C. Division of Social Sciences—10-15 credits

Cultural Anthropology (5)

Anth 1110

Psychology (5) (strongly recommended but not required freshman year)

Psy 1100

Sociology (5)

Soc 1100

D. Other

The University of Minnesota School of Nursing strongly recommends that pre-nursing students at UMM take one or more courses in groups A and D of the all-University liberal education distribution plan.

Group A—A minimum of 8-10 credits selected from:

accounting, computer science, foreign language, logic, mathematics, speech, statistics

Group B—A minimum of 12-15 credits selected from:

art history, studio arts, literature (including humanities), music, theatre

Pre-OCCUPATIONAL THERAPY—90 credits minimum

Students must complete 90 credits (2 years) in a preprofessional occupational therapy program and maintain at least a 2.50 (C+) grade point average in the biological and behavioral sciences to be eligible for admission to the professional program in occupational therapy at the University of Minnesota. The preprofessional program may be completed at UMM. It is important that students contact the Director, Course in Occupational Therapy, 378 Children's Rehabilitation Center, 426 Church Street S.E., University of Minnesota, Minneapolis, Minnesota 55455, for information about application procedures and periodic changes in the preoccupational therapy requirements. Students should also read the *Occupational Therapy/Physical Therapy Bulletin*. Students planning to transfer to the Twin Cities campus at the end of the freshman year are also encouraged to contact the director of the occupational therapy program.

The University of Minnesota has teaching facilities in occupational therapy for a limited number of students. Because of this, students are encouraged to apply to more than one school that offers an accredited program. A list of accredited programs in occupational therapy is available at the UMM Student Counseling Service on the second floor of Behmler Hall.

The following courses serve to prepare the student for advanced course work in occupational therapy as well as fulfill the liberal education requirements for a bachelor's degree.

A. Division of Humanities—35 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Speech (10)

Spch 1100 or 1101 and one advanced speech course

Art (15)

ArtH 3350

ArtS 1600-1601 (concurrently with 1603-1604)

B. Division of Science and Mathematics—15 credits (ABC-NR grading only)

Biology (10)

Biol 1110-1111

Chemistry (5)

Chem 1301 or 1501 (latter course recommended)

C. Division of Social Sciences—20 credits (ABC-NR grading only)

Psychology (15)

Psy 1100, 3400, 3500

Sociology (5)

Soc 1100

D. Other—17 credits

Required: Hlth 1700, PE 3301

Highly recommended but not required: Anth 1110

Recommended: Anth 3405, Hlth 1710, Mus 1200, PE 3310, Psy 3410, Psy 3420

The Admissions Committee looks favorably on applicants with experience in ceramics, photography, textile weaving, wood processing, and other applied arts. If students are unable to complete course work in these areas through directed studies, they may wish to explore evening class opportunities offered by the UMM Office of Continuing Education or the Morris High School.

Pre-PHARMACY—90 credits minimum

Students planning to apply to the College of Pharmacy of the University of Minnesota must complete a minimum of 90 credits of specified course work before they can become eligible for admission. Applications should be filed between October 15 and April 15 of the preceding academic year for entry to the professional program the following fall quarter. Students transferring from the Morris campus must submit a Change of College Within the University form and an Application for Admission to the College of Pharmacy (both forms are available at the UMM Records Office on the second floor of Behmler Hall). Two official transcripts of all college work completed must be sent at the time of application. Applicants are also required to submit results from the Pharmacy College Admission Test (PCAT). This test should be taken either on the November or February test date in order for results to be available during the admission period. PCAT applications and information bulletins are available at the UMM Student Counseling Service on the second floor of Behmler Hall.

The criteria used to evaluate and select applicants for admission are the student's educational background and grade point average, PCAT results, extra curricular involvement, reasons for entering pharmacy, and letters of recommendation. Most Minnesota residents who have a grade point average of 3.00 (B) or above and meet all other admission requirements are accepted into the pharmacy program.

The following courses fulfill minimum requirements for pre-pharmacy.

A. Division of Humanities—15 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Plus 5 credits in the following areas:

Art, humanities, literature, music, theatre

B. Division of Science and Mathematics—55-60 credits

Biology (10)

Biol 1110-1111

Chemistry (25-30)

Chem 1301, 1302, 1303 or Chem 1501, 1502

Chem 3313, 3314, 3315

Academic Information

Mathematics (5)

Math 1110 or 1112 (calculus may be substituted if mathematics background is strong)

Physics (15)

Phys 1150, 1151, 1152 or Phys 1200, 1201, 1202 (Phys 1200 sequence requires calculus background)

C. Division of Social Sciences—15 credits

Economics (10)

Econ 1110, 1115

Plus 5 credits in the following areas:

Anthropology, advanced economics, history, political science, psychology, sociology

D. Other

Suggested elective: Hlth 1700

Plus additional electives in humanities, mathematics, sciences, and social sciences to complete the 90-credit requirement.

Pre-PHYSICAL THERAPY—90 credits minimum

Students planning to enter the course in physical therapy of the University of Minnesota must complete 90 credits (2 years) and must maintain a minimum grade point average of 2.50+ in the biological and behavioral sciences to be eligible for admission. Each entering class is limited to 25 students. First priority is given to Minnesota residents who have satisfactorily completed the prerequisites for advanced courses in physical therapy. Students who are eligible to apply should file their application before April 15 for entry the following fall quarter. Application procedures should be initiated in January or at the close of fall quarter of the preceding year. Students are encouraged to contact the Director, Course in Physical Therapy, Children's Rehabilitation Center, 426 Church Street S.E., University of Minnesota, Minneapolis, Minnesota 55455, for further information about admission requirements.

The freshman and sophomore years in the preprofessional program serve to prepare students for advanced course work in the physical therapy program and partially fulfill the liberal education requirements for a bachelor's degree. The following required and suggested courses comprise the preprofessional program.

A. Division of Humanities—26 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Plus 8 credits selected in the following humanities areas:

Foreign language, logic, speech

Plus 8 credits selected in the following humanities areas:

Art, humanities, literature, music, theatre

Note—Mathematics (8 credits) may be substituted for foreign language, logic, or speech credits in humanities.

B. Division of Science and Mathematics—35-40 credits (ABC-NR grading only)

Biology (10)

Biol 1110-1111

Chemistry (10-15)

Chem 1301, 1302, 1303 or Chem 1501, 1502

Physics (15)

Phys 1150, 1151, 1152 (Math 1110 or 1112 is a prerequisite for Phys 1150)

C. Division of Social Sciences—10 credits (ABC-NR grading only)

Psychology (10)
Psy 1100, 3400

D. Other

Required: PE 3301

Recommended: Hlth 1700

Plus additional electives in humanities, sciences, and social sciences to complete the 90-credit requirement

Pre-RECREATION AND PARK ADMINISTRATION—90 credits minimum

Students planning a major in recreation and park administration at the University of Minnesota must complete a minimum of 1 year in liberal arts study before they are eligible for admission to this program. A 2-year liberal arts preparation is possible also. The recreation and park administration program is offered by the College of Education. Application for fall quarter admission must be received by the Office of Admissions and Records on the Minneapolis campus by the end of the first week of the previous spring quarter; application for spring quarter admission should be filed by the end of the first week of winter quarter. No students are admitted for winter or summer terms.

The following required and recommended courses fulfill the requirements for the 2-year preprofessional program in recreation and park administration. Students may apply for admission after completing 1 year (45 credits).

A. Division of Humanities—27 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Speech (5)

Spch 1100 or 1101

Plus 12 credits selected in the following areas:

Studio art, literature, logic, theatre arts

B. Division of Science and Mathematics—12 credits

12 credits selected in physical and biological science areas (one course to include a laboratory):

Biology, chemistry, geology, physical science, physics

C. Division of Social Sciences—25-30 credits

Psychology (5)

Psy 1100

Sociology (5-10)

Soc 1100 (Soc 3150 recommended but not required)

Plus 15 credits selected in the following areas:

Anthropology, economics (introductory or principles), geography, history, political science, sociology

D. Other

Required: Hlth 1610, 1615, 1700, 1710

Plus three 1-credit skill courses in physical education

Plus additional electives in humanities, sciences, and social sciences to complete the 90-credit requirement

Pre-SOCIAL WORK ADMINISTRATION—Bachelor's degree minimum

A bachelor of arts degree program in social work is offered in the College of Liberal Arts on the Minneapolis campus. The bachelor's degree in social work will

Academic Information

provide the minimum level of training necessary for beginning positions in social welfare or other human service occupations. However, advancements will be limited without professional study at the graduate level.

An undergraduate course of study in social welfare is suggested for entrance into graduate professional work, but this program is not required for admission. The minimum admission requirement for the School of Social Work on the Minneapolis campus is a bachelor's degree from an accredited college or university. The undergraduate program should be in a liberal arts area with emphasis in the social sciences. Applicants must complete 39 credits in social science (i.e., anthropology, economics, history, political science, psychology, or sociology) including one or more courses in at least three social science disciplines. In addition, an introductory course in statistics is recommended.

Application materials and admission instructions can be obtained from the School of Social Work, 909 Social Sciences Building, 267 19th Avenue S., University of Minnesota, Minneapolis, Minnesota 55455. Applications should be filed at least 6 to 8 months prior to the time of transfer. Beginning graduate students are admitted only in fall quarter.

Students considering graduate study in social work at other institutions should consult the bulletins from those institutions for specific admission requirements.

Pre-VETERINARY MEDICINE—90 credits minimum

Students planning to apply to the doctor of veterinary medicine (D.V.M.) degree program at the University of Minnesota College of Veterinary Medicine must complete a minimum of 90 credits in designated course work before they can become eligible for admission. Required courses must be completed by winter quarter of the previous academic year for entry the following fall quarter. Currently, all candidates are required to submit results from the Veterinary Aptitude Test, Minnesota Multi-phasic Personality Inventory, and Graduate Record Examination. Test requirements are subject to change. Information about these tests will be provided with application materials. Application materials may be obtained from the Office of Admissions and Records, 130 Coffey Hall, 1420 Eckles Avenue, University of Minnesota, St. Paul, Minnesota 55108. The completed application form should be returned to the Office of Admissions and Records before November 15 for entry the following fall quarter (approximately 1 year prior to the desired date of entry).

Enrollment in the professional curriculum of the College of Veterinary Medicine is limited, and not all applicants can be accepted. The criteria used to evaluate and select applicants for admission are the student's educational background and grade point average; knowledge of and interest in animals and the veterinary medical profession; employment experiences both in and out of school; personality, character, and potential as a veterinarian; experiences demonstrating leadership abilities; and extracurricular and community activities. Priority is given to Minnesota residents and to residents of states with which reciprocity or contractual agreements exist.

The following courses are recommended to fulfill minimum requirements for admission to the University of Minnesota College of Veterinary Medicine.

A. Division of Humanities—23 credits

Freshman Composition (10)

Engl 1100, 1101 or 1102

Speech (5)

Spch 1100

Plus 8 credits in the following areas:

Art, humanities, literature, music, theatre

B. Division of Science and Mathematics—55-60 credits

Biology (10)

Biol 1110-1111

Chemistry (25-30)

Chem 1301, 1302, 1303 or Chem 1501, 1502

Chem 3110, 3313, 3314

Mathematics (5)

Trigonometry—Students who have not satisfactorily completed trigonometry in high school must take Math 0300 (no credit)

Math 1110 or 1112 or 1140 or 1201

Physics (15)

Phys 1150, 1151, 1152

C. Division of Social Sciences—10 credits

Economics (5)

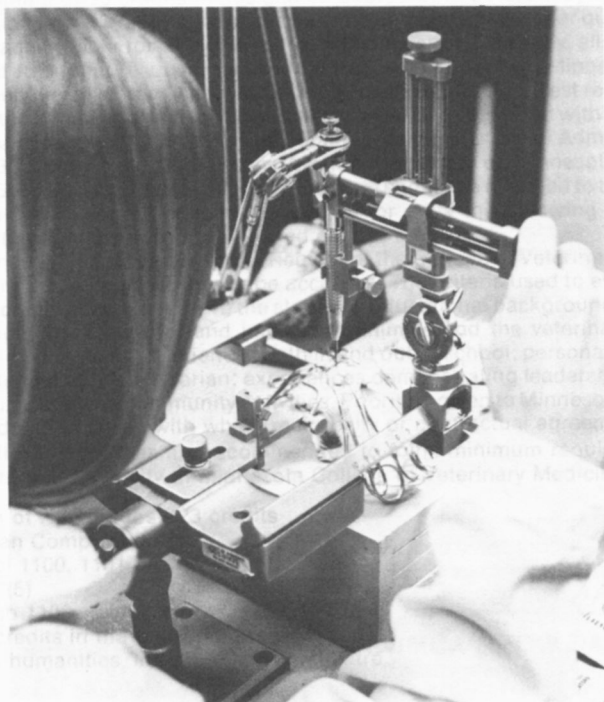
Econ 1110 or 1115

Plus 5 credits in the following areas:

Anthropology, economics (introductory or principles), history, political science, psychology, sociology

D. Other

Strongly recommended: Biol 3200



III. COURSES OF INSTRUCTION

Explanation of Symbols—The following symbols are used throughout the course descriptions in lieu of page footnotes:

- † Concurrent registration is allowed (or required) in the course listed after the paragraph mark.
- # Consent of the instructor is required prior to registration.

A hyphen between course numbers (e.g., 3142-3143-3144) indicates a sequence of courses that must be taken in the order listed. The first course in the sequence is a prerequisite for the second course, and the second course in the sequence is a prerequisite for the third course.

A comma between course numbers (e.g., 1234, 1235, 1236) indicates a series of courses that may be entered any quarter.

The current *Class Schedule* contains information on course prerequisites, hours, and room assignments.

Interdisciplinary Programs

The University of Minnesota, Morris offers a number of interdisciplinary programs in response to a growing pattern in colleges and universities throughout the nation. Some of the programs include in-depth studies from two or more traditional academic disciplines or divisions, and some include subject material of a very broad nature that cannot properly be regarded as a part of a traditional discipline or division. In addition to the areas of study described below, see also the course offerings in humanities listed under the Division of the Humanities and the course in physical science listed under the Division of Science and Mathematics in this section of the bulletin.

EUROPEAN STUDIES (ES)

OBJECTIVES

The purpose of the European studies program is to acquaint the student with the culture and society of modern Europe. The emphasis is on Western Europe in the nineteenth and twentieth centuries, and the approach is interdisciplinary in nature, drawing upon the insights provided by various fields of study.

REQUIREMENTS FOR A MAJOR

Language proficiency in French, German, or Spanish equivalent to that required for the completion of the course numbered 1120 or 1121 in the language. (Students planning to pursue advanced courses in German or Spanish should note that proficiency beyond the 1120 or 1121 level is sometimes a prerequisite.) Equivalent proficiency in European languages not offered at UMM may also be used to satisfy this requirement.

In addition, 65 credits to be selected from the courses listed below, with a maximum of 20 of the credits in any *one* discipline.

1. The student will develop a coherent program and a plan of study in consultation with his or her major adviser or advisers. Advisers will normally be faculty members with a specialty in an appropriate area. When the program and plan are approved by the advisers, they will be forwarded to the academic dean for information.

Courses of Instruction

2. Any directed study course for which an instructor is available is acceptable provided the subject matter is appropriate.
3. The topics courses listed below as well as topics and seminar courses in other disciplines are acceptable provided the subject matter is appropriate.
4. Students are encouraged to spend a period of time in Europe pursuing conventional course work, independent studies, or other study-abroad programs.

Note—Students planning to major in European studies must register with the academic dean.

COURSE DESCRIPTIONS

Arth 3300s. 19TH-CENTURY ART. (5 cr; not offered 1978-79)

The development of neoclassicism, romanticism, realism, and impressionism. Primarily concerned with art of France but also with English, German, and American artists that contributed to the major stylistic developments of the period from 1784 to 1880.

Arth 3350f. FROM POSTIMPRESSIONISM TO CUBISM: 1880-1914. (5 cr; not offered 1977-78)

Major artistic developments during the late 19th and early 20th centuries that provided the basic elements of the aesthetic and visual sensibility of the modern world.

Arth 3360w. 20TH-CENTURY ART: 1914-1935. (5 cr; not offered 1977-78)

The art of logic exemplified by de Stijl, purism and constructivism, the art of expression manifested in the German die Brücke and die Blaue Reiter, and the art of the absurd: Dada and surrealism.

Econ 3135w. INTERNATIONAL ECONOMICS. (5 cr; prereq 1110, 1115)

The economic basis for gain in international trade; historical development of theory and policy; population and capital movements; exchange-rate policies; tariffs, international balance of payments; foreign aid and investment policies; and the Common Market.

Econ 3145f. COMPARATIVE ECONOMIC SYSTEMS. (5 cr; prereq 1110, 1115; not offered 1978-79)

A comparison of the theory and functioning of the major economic systems of the world; the market economy and the centrally planned economy. The U.S. economy relative to its future form and structure.

Engl 1610f,w,s. TOPICS IN LITERATURE. (5 cr)

The study of a literary topic that is both timely and of broad interest.

Engl 3551w. 19TH-CENTURY ENGLISH LITERATURE. (5 cr; prereq 1501 and 1511)

Major romantic and Victorian writers through 1890, with emphasis on the poets—Wordsworth, Keats, Shelley, Tennyson, Browning, Arnold.

Engl 3571s. 20TH-CENTURY ENGLISH LITERATURE. (5 cr; prereq 1501 and 1511)

English literature from 1890 to 1960, including Wilde, Yeats, Joyce, Auden, Thomas, and others.

Engl 3572. THE ENGLISH NOVEL. (5 cr; prereq 1501; offered when feasible)

The development of the English novel from the early 18th century (Defoe) through the latter half of the 19th century (Eliot).

Engl 3610. STUDIES IN LITERATURE. (5 cr; offered spring 1978)

An advanced study of a literary topic that may either follow or cut across historic and generic categories and that is not ordinarily included in other English course offerings.

Engl 3620w. SINGLE AUTHORS. (5 cr; prereq 1501 and 1511)

Intensive study of the canon of one author, both as a reflection of literary tradition and broad cultural milieu and as the product of a unique, coherent, and personal vision. Topic to be announced.

Fren 3302f. SURVEY OF FRENCH LITERATURE I. (5 cr; prereq 3241; not offered 1978-79)

Masterpieces of French literature from its beginnings to approximately 1789.

Fren 3304w. SURVEY OF FRENCH LITERATURE II. (5 cr; prereq 3302; not offered 1978-79)

Masterpieces of French literature from approximately 1789 to the present.

Fren 3600. INDEPENDENT READINGS IN FRENCH LITERATURE OR CIVILIZATION. (5 cr; prereq 3304 and # for literature and 3241 and # for civilization for majors or minors...# for nonmajors and nonminors; offered when feasible)

(Offered in French for majors, English for nonmajors) Specially designed readings for majors or nonmajors in either literature or civilization, or both, to fulfill particular needs or interests.

- Ger 3220w. GERMAN CULTURAL VALUES IN CONTEMPORARY SOCIETY.** (4 cr; open to all interested students; not offered 1977-78)
Recent developments in the two cultures of divided Germany. Lectures supported by audiovisual materials on art and architecture. One modern play is read. Lectures and readings in English.
- Ger 3500f. CLASSICAL AND ROMANTIC TRADITION IN GERMAN LITERATURE.** (4 cr; prereq 3200, 3201; not offered 1978-79)
Some major works of the "golden age" of German literature (1750-1850) are compared and contrasted on the basis of their relationship to important trends of the premodern age. Readings include Goethe's *Faust*, dramas by Schiller, and novellas of the romantic period.
- Ger 3530w. STUDIES IN GERMAN DRAMA.** (4 cr; open to all interested students; not offered 1978-79)
Some works of the 19th century, but emphasis is on the works of Brecht, Durrenmatt, Frisch, Weiss, and other modern playwrights. Readings, lectures, and discussions in English.
- Ger 3600s. GERMAN LITERATURE IN FILM.** (4 cr; open to all students; not offered 1977-78)
Works by leading German authors, such as Goethe, Büchner, T. Mann, H. Mann, and Brecht are read, viewed, and compared with their treatment in film. Development of the German film as an expressionistic art form. Film presentations are in German but with English subtitles in most cases. Readings and lectures are in English.
- Ger 3610. TOPICS IN GERMAN.** (4 cr; offered when feasible; not offered 1978-79)
Students select and develop topics of their own interest in any area of German literature or culture. Topics may be an in-depth study of one author or a specific period in German literature. Students should discuss their interests in advance with instructor since course will be offered on demand. Seminar discussions based on individual library research. Readings and discussions are in English.
- Hist 1100f. INTRODUCTION TO MODERN EUROPEAN HISTORY.** (5 cr)
An introduction to some of the methods, themes, and problems in the study of European history from the end of the Middle Ages to the present.
- Hist 3121s. TOPICS IN EUROPEAN HISTORY I.** (5 cr; repeatable with #; not offered 1977-78)
Topics in the political, social, intellectual, or economic history of Europe from the end of the Middle Ages to 1750. Possible topics include the Renaissance, the Reformation, and royal absolutism.
- Hist 3151w. TOPICS IN EUROPEAN HISTORY II.** (5 cr; repeatable with #; not offered 1977-78)
Topics in the political, social, intellectual, or economic history of Europe from 1750 to the present. Possible topics include World War I, the fascist era, and Caesarian democracy.
- Hist 3161w. TOPICS IN EUROPEAN NATIONAL HISTORY.** (5 cr; repeatable with #)
Topics in the political, social, intellectual, or economic history of selected European nations. Possible topics include the English civil war, modern Britain, modern France, and the Soviet Union.
- Hist 3440. TOPICS IN HISTORY.** (1-5 cr; repeatable with #; offered when feasible)
The study of an historical topic that transcends the traditional chronological or geographical categories. Possible topics include the history of historical writing, a history of science, and history of Christianity.
- Hum 1121w. WESTERN WORLD LITERATURE.** (5 cr)
Emphasis on continental works in a single genre (e.g., the novel) or from a single international literary movement (e.g., romanticism or symbolism). Topic to be announced.
- Hum 1160. STUDIES IN FRENCH LITERATURE IN TRANSLATION.** (5 cr; repeatable when topic changes; offered when feasible)
Topic to be announced.
- Hum 3100f. OPEN TOPIC.** (5 cr)
An opportunity to study a traditional literary form or other narrative form or an idea as it appears in a number of cultures.
- Mus 1200w,s. INTRODUCTION TO MUSIC.** (5 cr)
A general survey to develop an intelligent understanding and appreciation of music. Designed for students not majoring in music.
- Mus 3104f-3105w-3106s. CORE STUDIES III: MUSIC HISTORY AND LITERATURE.** (4 cr per qtr; prereq 1102 or #)
The historical development of Western music and representative literature of the various periods and styles. Emphasis on listening, score analysis, and performance practice.
- 3104f. Music of the Medieval, Renaissance, and Baroque Eras.** (4 cr; prereq 1102 or #)
- 3105w. Music of the Classical and Romantic Periods.** (4 cr; prereq 1102 or #)
- 3106s. Post-Romantic and Contemporary Music.** (4 cr; prereq 1102 or #)
- Phil 1140f. PHILOSOPHY AND LITERATURE.** (5 cr; not offered 1978-79)
Philosophical problems as reflected in literary classics. Attention to Aeschylus, Sophocles, Euripides, Shakespeare, Voltaire, Tolstoy, Ibsen, T. S. Eliot, Camus, and Gide.

Courses of Instruction

- Phil 3101w. RATIONALISM AND EMPIRICISM.** (5 cr; prereq soph)
The philosophical systems of continental rationalism (Descartes, Spinoza, and Leibniz) and British empiricism (Locke, Berkeley, and Hume).
- Phil 3102s. KANT AND 19TH-CENTURY CONTINENTAL THOUGHT.** (5 cr; prereq soph)
The "critical philosophy" of Immanuel Kant as reflected in the *Prolegomena* and the influence of Kant upon 19th-century continental thought. Readings from Hegel, Schopenhauer, Kierkegaard, and Nietzsche.
- Phil 3104f. ANGLO-AMERICAN PHILOSOPHY SINCE 1900.** (5 cr; prereq 1210 or #; not offered 1978-79)
A critical study of selected works of such philosophers as Wittgenstein, Russell, Moore, Austin, Carnap, Ryle, and Quine.
- Phil 3610s. SEMINAR ON THE PHILOSOPHY OF KANT.** (5 cr; prereq 3102 or #; not offered 1977-78)
Selected works by Kant, including a study of appropriate traditional and contemporary secondary literature.
- Pol 1400s. WORLD POLITICS.** (5 cr)
Introduction to contemporary international politics, nationalism, imperialism, foreign policies of major powers, Elements of national power; forces affecting international relations, international conflicts, and techniques for their solution.
- Pol 3310f. CONTEMPORARY POLITICAL IDEOLOGIES.** (5 cr; prereq #)
Major currents of political theory from Marx to present: Marxism, socialism, syndicalism, anarchism, fascism, political ideologies of antidemocratic thought and totalitarian regimes.
- Pol 3330s. DEVELOPMENT OF POLITICAL THOUGHT: MODERN.** (5 cr; prereq #)
Machiavelli, theories during the Renaissance, Reformation, and the Counter-Reformation. Early modern absolutism, the emergence of modern contract theory, constitutionalism, liberalism, and utopianism.
- Pol 3431w. INTERNATIONAL RELATIONS.** (5 cr; prereq 1400 or #; not offered 1977-78)
The theory and practice of contemporary international relations based upon the nation-state system. The concepts of the struggle for power, national interest, balance of power, war, peace, and alliances analyzed from the point of view of conflict resolution.
- Pol 3432w. INTERNATIONAL ORGANIZATIONS.** (5 cr; prereq 1400 or #; not offered 1978-79)
The history of the idea of international organization from the earliest sources up to the League of Nations and the United Nations organizations. Detailed analysis of the political and administrative structure of the League of Nations and the United Nations systems. The relationship of the United Nations and general peace keeping analyzed through various case studies. The relevance of international organization for the establishment and maintenance of world peace.
- Pol 3530f. GOVERNMENTS AND POLITICS OF EUROPE.** (5 cr; prereq #; not offered 1978-79)
An analysis of the major governmental systems of Europe: evolution, structure, and functioning of the political institutions of Great Britain, Soviet Union, France, and West Germany.
- Span 3520f. LITERATURE OF 19TH-CENTURY SPAIN.** (4 cr; prereq 3101 or #; not offered 1978-79)
The poetry of romanticism, the development of realism from "costumbrismo" through the Spanish naturalistic novel, the generation of 1898 with such authors as Espronceda, Bécquer, Larra, Alarcón, Valera, Pérez Galdós, Blasco Ibáñez, Benavente.
- Spch 3310. INTERCULTURAL COMMUNICATION.** (5 cr; prereq 1100 or 1101 or #; offered when feasible)
Speech communication between persons of two or more cultures. Cultural shock, value systems, nonverbal behavior, language skills; their influence on intercultural interpersonal communication. Students may specialize in the study of communication between persons of their own culture and those of a particular contrast.
- Th 3150. SELECTED TOPICS IN THEATRE ARTS.** (1-5 cr; repeatable when topic changes; prereq #; offered when feasible)
Varying topics relating to theatre that are not ordinarily included in other theatre arts courses.
- Th 3501s. THEATRE HISTORY II.** (5 cr; not offered 1977-78)
Development of the theatrical arts from the 18th century to the present; plays, playwrights, and physical theatre.

LATIN-AMERICAN AREA STUDIES (LAAS)

OBJECTIVES

The purpose of the Latin-American area studies program is to acquaint the student with a broad view of the culture and society of Latin America. The program offers an area focus for a study of other cultures as well as study of cross-cultural comparisons and our own Spanish-American subcultures. An interdisciplinary approach is used to understand and compare various methodologies.

REQUIREMENTS FOR A MAJOR

Proficiency in Spanish equivalent to that required for the completion of Span 1120; 4 credits in Spanish-American literature; 10 credits in Latin-American history; 1-5 credits in LAAS 3600 (Senior Seminar in Latin-American Area Studies); and 25 additional credits selected from courses listed below. Students are encouraged to use their elective credits to acquaint themselves with as many academic fields of Latin-American studies as possible.

Any directed study course for which an instructor is available is acceptable provided the subject matter is appropriate. These courses may be applied to the 25-credit elective requirement.

Note—Students planning to major in Latin-American area studies must register with the academic dean. Their advisers will normally be faculty members with a specialty in Latin-American studies.

COURSE DESCRIPTIONS

Span 1100f. BEGINNING SPANISH: LANGUAGE AND CULTURE. (5 cr)

An integrated approach to the culture of Spanish-speaking peoples. Focuses on language as well as aspects of culture such as modern philosophy, customs, and traditions of Spanish America and Spain. Emphasis on reading ability and rudimentary conversation.

Span 1101w. BEGINNING SPANISH: LANGUAGE AND CULTURE. (5 cr; prereq 1100 or #)

The second course in the sequence beginning with 1100.

Span 1102s. BEGINNING SPANISH: LANGUAGE AND CULTURE. (5 cr; prereq 1101 or #)

The third course in the sequence beginning with 1100.

Span 1110f. INTERMEDIATE SPANISH I: A CULTURAL APPROACH. (4 cr; prereq 1102 or #)

Intermediate Spanish grammar and conversation with attention to topics of cultural interest. Intensive study of grammar, special reports, debates, situational (survival) dialogues, simulations, and dramatic presentations. Emphasis on development of meaningful vocabularies and grammatical skill.

Span 1120w. INTERMEDIATE SPANISH II: A CULTURAL APPROACH. (4 cr; prereq 1110 or #)

Intermediate Spanish grammar and reading. Intensive study of grammar, cultural readings from contemporary Latin-American and peninsular short fiction and contemporary events. Intensive practice in grammar, reading, preparation of original compositions, and conversation.

Span 3101s. INTRODUCTION TO SPANISH THOUGHT. (4 cr; prereq 1120 or #)

Intellectual thought of Spain and Spanish America as seen in its literature. Emphasis on literary history, major periods and figures.

Span 3120f. STUDIES IN ADVANCED SPANISH LANGUAGE I. (4 cr; prereq 3101 or #)

An in-depth study of the basic structures and pronunciation and diction patterns of the Spanish language with projects designed to develop a high degree of writing, listening, and speaking skills.

Span 3130w. STUDIES IN ADVANCED SPANISH LANGUAGE II. (4 cr; prereq 3120 or #)

Designed with goals similar to those of 3120 but with a view to the more subtle aspects of advanced Spanish grammar and pronunciation and diction.

Span 3140s. ADVANCED SPANISH CONVERSATION AND COMPOSITION. (4 cr; prereq 3130 or #)

Intensive practice in Spanish conversation and writing skills. Emphasis on idiomatic speech and writing appropriate to a variety of situations.

Span 3531w. SEMINAR IN CONTEMPORARY PENINSULAR LITERATURE. (4 cr; prereq 3101 or #; not offered 1977-78)

Various topics in contemporary Spanish literature such as the role and function of women in Spanish society, the problem of general human fulfillment, Spanish ethical viewpoints, and possibilities for social change as seen by various authors. Topic to be announced.

Span 3601f. TOPICS IN LATIN-AMERICAN LITERATURE FROM 1400 to 1900. (4 cr; prereq 3101 or #; not offered 1977-78)

A comprehensive view of Latin-American literature during the baroque, neoclassic, romantic, realist, and modernist periods, emphasizing important figures such as Inca Garcilaso de la Vega, Sor Juan Inés de la Cruz, Lizardi, Echeverría, Sarmiento, Palma, Darío, Martí, and Lugones. An examination of all literary genres. Topic to be announced.

Courses of Instruction

- Span 3602s. TOPICS IN LATIN-AMERICAN LITERATURE FROM 1900 TO PRESENT.** (4 cr; prereq 3101 or #; not offered 1977-78)
A comprehensive view of Latin-American literature during the contemporary period, focusing on important figures such as Huidobro, Vallejo, Neruda, Paz, Carpentier, Borges, Asturias, Vargas Llosa, Cortázar, and García Márquez. An examination of all literary genres with emphasis on the novel since 1950. Topic to be announced.
- Span 3604w. SEMINAR IN LATIN-AMERICAN LITERATURE.** (4 cr; prereq 3101 or #; not offered 1978-79)
Various topics in Latin-American literature such as the novel of the Mexican revolution, Borges and the modern short story, literature of fantasy, the role of the Indian in literature; poetry of social struggle, gaucho literature, and heroes and antiheroes in modern fiction. Topic to be announced.
- Span 3605s. SEMINAR IN LATIN-AMERICAN LITERATURE: CULTURES IN CRISIS.** (4 cr; open to all students)
Past and present culture of Latin America, including Hispanic groups in the United States (Chicanos, Puerto Ricans, Cubans), as reflected in historical and fictional literature. Emphasis on dependency and underdevelopment in the process of forming a cultural identity. Discussions and readings in English.
- Span 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
Spanish language, culture, and literature.
- Anth 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
Anthropology of Latin America.
- Econ 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
The literature of Latin-American economics.
- Hist 3440. TOPICS IN HISTORY.** (1-5 cr; repeatable with #; offered when feasible)
The study of an historical topic that transcends the traditional chronological or geographical categories. Possible topics include the history of historical writing, history of science, and history of Christianity.
- Hist 3500f. INTRODUCTION TO TRADITIONAL LATIN-AMERICAN CIVILIZATION.** (5 cr; not offered 1977-78)
The conservative society. Themes in agrarian, prenationalist, and traditional Latin-American culture and society.
- Hist 3501s. INTRODUCTION TO MODERN LATIN-AMERICAN CIVILIZATION.** (5 cr)
Whither Latin America? Themes in the emergence of industrial, nationalist, and modern Latin-American culture and society.
- Hist 3511w. TOPICS IN LATIN-AMERICAN SOCIETY AND POLITY.** (5 cr; repeatable with #)
The diurnal round and politics as usual. Examination of a selected topic in the polity and society of Latin America.
- Hist 3521f. TOPICS IN COMPARATIVE LATIN-AMERICAN HISTORY.** (5 cr; repeatable with #)
Or, "They all look alike to me." Comparative examination of a selected topic in the history of two or more Latin-American cultural areas.
- Hist 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
An opportunity to study analytically a limited topic in Latin-American history. The topic will be determined by the individual student and the instructor.
- LAAS 3600s. SENIOR SEMINAR IN LATIN-AMERICAN AREA STUDIES.** (1-5 cr; prereq sr majoring in Latin-American area studies)
Flexible seminar sessions designed to provide a broad overview of the field and profession as well as direct contact and free exchange of ideas among Latin-American area studies faculty members and majors.
- Pol 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
Latin-American political science.
- Soc 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
The literature of Latin-American sociology.
- Spch 3310. INTERCULTURAL COMMUNICATION.** (5 cr; prereq 1100 or 1101 or #; offered when feasible)
Speech communication between persons of two or more cultures. Cultural shock, value systems, nonverbal behavior, language skills; their influence on intercultural interpersonal communication. Students may specialize in the study of communication between persons of their own culture and those of a particular contrast.

LIBERAL ARTS FOR THE HUMAN SERVICES (LAHS)

OBJECTIVES

This program has three main purposes: (a) to provide a firm liberal arts basis for the understanding of individual human behavior in its social context; (b) to provide the academic foundation for professional work in baccalaureate-level human service.

Liberal Arts for the Human Services

es occupations such as counseling, casework, personnel work, and administration of human services in federal and state agencies, private business, or professional organizations; and (c) to prepare students for graduate work in the human services professions.

REQUIREMENTS FOR A MAJOR

Anth 1110 or Soc 1100; Psy 1100 and 1110; and Math 3600.

The minimum additional requirements for a major in human services are: (a) 60 credits to be selected from the courses listed below, with a minimum of 20 credits in each of anthropology/sociology and psychology; (b) at least 5 credits of field experience (Psy 3920) or interdisciplinary internship (IS 3850, 3851, or 3852); and (c) at least 1 credit of course work in problems of human services-related professional ethics.

The student will develop a coherent program of study in consultation with his or her major adviser or advisers. Advisers will normally be faculty members with a background or specialties related to the human services area. When the program and plan are approved by the advisers, they will be forwarded to the academic dean for information.

Note—Students planning to major in liberal arts for the human services must register with the academic dean.

COURSE DESCRIPTIONS

Anth 3380f. CULTURAL CHANGE. (5 cr; repeatable with #; prereq 1110 or Soc 1100)

Theories and case studies of sociocultural change. Comparison of changes in different types of cultures in various parts of the world.

Anth 3405s. ETHNIC STRATIFICATION. (5 cr; prereq 1110 or Soc 1100)

(Same as Soc 3405) A comparative study of ethnic stratification systems. Theories and empirical studies concerned with prejudice and discrimination and the American experience in these matters. Usually focuses on Native American, black, and Chicano experiences.

Anth 3480f. THE INDIVIDUAL AND THE SOCIOCULTURAL MILIEU. (5 cr; repeatable with #; prereq 10 cr in anthropology, sociology, or psychology)

(Same as Soc 3480) A delimited topic in culture and personality, social structure and personality, cognitive anthropology, or cultural linguistics. Specific topics such as behavior in illness, acculturation, or the effects of extreme social situations on a person may be dealt with for the whole quarter. Analysis of different aspects of the relationship of a person to his or her society. Topics vary.

Econ 1100f,w,s. INTRODUCTION TO ECONOMICS. (5 cr)

A brief survey of the development of economic ideas; the structure and functioning of an economic system; fundamental principles governing the behavior of individual economic units and the workings of the economy; and economic policies for stabilization and growth. Designed for a noneconomics major or a beginning economics student who wants an overview of the field before enrolling in Econ 1110.

IS 1210w. PERSPECTIVES IN DRUG USE AND ABUSE. (2-5 cr)

The contributions of various academic disciplines to the understanding and possible solution of the drug problem. Historical, psychological, sociological, and other perspectives. Drug use and abuse in contemporary American society.

Pol 3240s. INTRODUCTION TO PUBLIC ADMINISTRATION. (5 cr; prereq 1200 or #; not offered 1977-78)

Development of administrative organization; administration and the executive, legislative, and judiciary; principles of organization including line and staff relationships, the staff services of finance and personnel, formal and informal control, behavioral characteristics of bureaucracies.

Psy 3400f. PERSONALITY. (1-5 cr; prereq 1100 or #)

The nature of personality constructs and theories, human motivation and emotion, anxiety, aggression, affiliation, personal identity, self-direction and self-control, and personal traits and their measurement.

Psy 3410w. ABNORMAL PSYCHOLOGY. (1-5 cr; prereq 3400 or #)

Behavior, inner experience, causes, and outcomes of the neuroses and psychoses (especially depression and schizophrenia), psychophysiological disorders, psychopathy, drug and alcohol use, suicide, and similar problems.

Courses of Instruction

- Psy 3420 f,w,s. TUTORIAL IN PERSONALITY.** (1-5 cr; prereq #)
Individual reading or empirical research on any topic studied in Psy 3400 or 3410 or on related topics. Objective is attainment of greater depth than is possible in Psy 3400 or 3410.
- Psy 3425s. HUMANISTIC PSYCHOLOGY AND HELPING RELATIONSHIPS.** (1-5 cr; prereq 3400 and 3410 or #; S-NR grading only)
Consideration and critique of humanistic theorists in psychology such as Maslow, Rogers, Frankl, and Perls; states of consciousness, creativity, and the determinants of inner experience; psychological therapy and helping relationships.
- Psy 3500f. DEVELOPMENTAL PSYCHOLOGY I: CHILD PSYCHOLOGY.** (1-5 cr; prereq 1100 or #)
Introduction to theory, data, and research in development from birth to adolescence. Includes prenatal and physical development as well as perceptual, cognitive, personality, and social development. Emphasis on language acquisition and Piaget's theory of cognitive development.
- Psy 3501w. DEVELOPMENTAL PSYCHOLOGY II: ADOLESCENCE.** (1-5 cr; prereq 1100 or #; not offered 1978-79)
Introduction to theory, data, and research in adolescent development with emphasis on physical, cognitive, and social development.
- Psy 3502w. DEVELOPMENTAL PSYCHOLOGY III: ADULTHOOD, AGING, AND DEATH.** (1-5 cr; prereq 1100 or #; not offered 1977-78)
Introduction to theory, data, and research concerning the age group from young adulthood to old age with emphasis on physical, cognitive, and social changes.
- Psy 3525w. SOCIAL PSYCHOLOGY.** (1-5 cr)
(Same as Soc 3525) Theories and research in the study of interpersonal behavior. Role, self, social learning, exchange, person perception, cognitive consistency, and interpersonal transaction. Some psychology and sociology background is recommended (e.g., Psy 1100 and Soc 1100).
- Psy 3530s. GROUP DYNAMICS.** (1-5 cr; not offered 1977-78)
(Same as Soc 3530) An analysis of the structure and processes of socially organized, face-to-face interaction among people in small groups. Conformity, sociometric structure, cohesion, social control, group decision making, power, and status.
- Psy 3610s. DIFFERENTIAL PSYCHOLOGY.** (5 cr; prereq 1100)
Nature of intelligence. Individual abilities, aptitudes, and personality variables. Psychological correlates of age, sex, race, and socioeconomic status. Effects of heredity and environment. Applications to psychology, education, industry, and current social problems.
- Soc 3111w. SOCIAL POLICY.** (5 cr; prereq 1100; not offered 1978-79)
A survey of sociological and social science contributions and reactions to social policy in industrialized countries. Social policy areas such as education, health, welfare, and economic well-being.
- Soc 3305s. STRATIFICATION.** (5 cr; prereq 1100 or Anth 1110; not offered 1978-79)
The hierarchies of power, wealth, and prestige; analysis of various theories of stratification. Class, status, race, caste, and sex evaluated in terms of stratification.
- Soc 3315s. SOCIAL INSTITUTIONS.** (5 cr; repeatable with #; prereq 1100 or Anth 1110)
An in-depth examination of one or two social institutions such as the law, education, religion, the family, or the economy. Topics vary and will be announced in advance.
- Soc 3405s. ETHNIC STRATIFICATION.** (5 cr; prereq 1100 or Anth 1110)
(Same as Anth 3405) For description see Anth 3405 above.
- Soc 3410. SOCIOLOGY OF THE FAMILY.** (1-5 cr; prereq 1100; offered when feasible)
Major approaches to understanding the structure and change of the family.
- Soc 3415w. SOCIOLOGY OF LIFE-STYLES.** (5 cr; repeatable with #; prereq 1100 or Anth 1110)
A topical course in areas of current interest using a sociological application. Topics stress the diversity of life-styles in the United States or focus on a particular group or groups such as women, the aged, or urban and rural dwellers.
- Soc 3480f. THE INDIVIDUAL AND THE SOCIOCULTURAL MILIEU.** (5 cr; repeatable with #; prereq 10 cr in sociology, anthropology, or psychology)
(Same as Anth 3480) For description see Anth 3480 above.
- Soc 3525w. SOCIAL PSYCHOLOGY.** (1-5 cr)
(Same as Psy 3525) For description see Psy 3525 above.
- Soc 3530s. GROUP DYNAMICS.** (1-5 cr; not offered 1977-78)
(Same as Psy 3530) For description see Psy 3530 above.
- Spch 1102f,s. INTERPERSONAL COMMUNICATION.** (4 cr; not offered spring 1978)
Study of the variables in spontaneous, face-to-face interaction aimed at creating understanding of the student's own communication patterns in dyads.

- Spch 3300w. SMALL GROUP COMMUNICATION.** (5 cr; prereq 1102 or #)
Communication in small groups; structure, role emergence, climate, analysis, practice.
- Spch 3310. INTERCULTURAL COMMUNICATION.** (5 cr; prereq 1100 or 1101 or #; offered when feasible)
Speech communication between persons of two or more cultures. Cultural shock, value systems, nonverbal behavior, language, skills; their influence on intercultural interpersonal communication. Students may specialize in the study of communication between persons of their own culture and those of a particular contrast.
- Spch 3320. COMMUNICATION IN ORGANIZATIONS.** (4 cr; prereq 1100 or 1101 or #; offered when feasible)
The role of speech communication in human organizations, structures, channels, practices, breakdowns, and presentational speaking.

INTERDISCIPLINARY STUDIES (IS)

OBJECTIVES

Through interdisciplinary studies, students investigate subjects from two or more traditional academic disciplines. Such interdisciplinary activities may take the form of well-structured internships or regular classroom courses or may be relatively unstructured directed studies projects that stimulate close student-faculty relationships during the learning process.

Students seeking interdisciplinary internship experiences or directed study projects should consult with their advisers and appropriate division chairpersons concerning a course prospectus, proposed study activities, and proposed criteria and methods for evaluating their work. A signed Directed Study Project Approval form (available in any of the academic division offices) is required in order to register for interdisciplinary directed studies, and the approval of the academic dean is necessary for internship experiences.

COURSE DESCRIPTIONS

- IS 1200s. PROBLEMS AND ISSUES OF RACISM IN THE UNITED STATES.** (5 cr)
The economic, political, educational, and social aspects of racism. Designed to develop an understanding of the complex nature and effects of racism, prejudice, and discrimination.
- IS 1210w. PERSPECTIVES IN DRUG USE AND ABUSE.** (2-5 cr)
The contributions of various academic disciplines to the understanding and possible solution of the drug problem. Historical, psychological, sociological, and other perspectives. Drug use and abuse in contemporary American society.
- IS 1220f. HUMAN SEXUALITY.** (2-5 cr; S-NR grading only)
Readings and class meetings will provide a basis for exploring sexual functioning, sexual development, and attitudes. Opportunities for students to explore special interests and to relate course materials to their personal lives.
- IS 3850f, 3851w, 3852s. INTERDISCIPLINARY INTERNSHIP.** (1-15 cr per qtr; S-NR grading only)
A 1-quarter educational experience in a work environment providing field applications for the student's theoretical classroom learning experiences.
- IS 3861. INTERDISCIPLINARY FIELD STUDIES IN SCIENCE.** (1-5 cr; prereq #; S-NR grading only; offered when feasible)
An extended field trip to specific environments not found in western Minnesota. Field observations and studies will focus on various aspects of the biological, physical, and cultural nature of the particular environment. Designed to acquaint students with a variety of field experiences and techniques not normally available within the traditional on-campus curriculum.
- IS 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
Interdisciplinary studies.

LIBRARY (Lib)

OBJECTIVES

This course is designed to acquaint students with the general tools and materials of a library and to develop their ability to evaluate the usefulness of materials for a particular purpose.

Courses of Instruction

COURSE DESCRIPTION

Lib 1110f,w,s. **USING LIBRARIES.** (1 cr; S-NR grading only)

Introduction to library materials and how to use them. Use of the card catalog, reference books, indexes, bibliographies, subject heading and classification systems, and government documents. Optional seminars on specific areas.

Division of the Humanities

ART

Art History (ArH)

OBJECTIVES

The purpose of the art history curriculum is to develop the student's understanding of the historical traditions of the visual arts, sensitivity to the visual meaning of a work of art, and ability to critically judge the work of art.

REQUIREMENTS FOR A MAJOR

ArtS 1600 through 1605; Phil 3200; and 35 credits in art history courses.

REQUIREMENTS FOR A MINOR

20 credits in art history courses; and Phil 3200.

COURSE DESCRIPTIONS

1100f. PRINCIPLES OF ART. (5 cr)

Lecture and discussion approach to basic methods of analysis and interpretation of a work of art. Painting, sculpture, and architecture in relation to the cultural and technical factors influencing their form, subject matter, and meaning. Problems of interpretation of meaning, function, and creativity in the visual arts.

3220f. RENAISSANCE AND MANNERIST ART. (5 cr; not offered 1978-79)

The Italian early and high Renaissance from 1425-1525; the origins and development of the international mannerist style of the 16th century.

3250w. BAROQUE AND ROCOCO ART. (5 cr; not offered 1978-79)

The art of the Roman Catholic Counter-Reformation, the French classical baroque, Rembrandt and the "Little Dutch Masters," and the art of the Enlightenment in 18th-century France.

3300s. 19TH-CENTURY ART. (5 cr; not offered 1978-79)

The development of neoclassicism, romanticism, realism, and impressionism. Primarily concerned with art of France but also with English, German, and American artists that contributed to the major stylistic developments of the period from 1784 to 1880.

3350f. FROM POSTIMPRESSIONISM TO CUBISM: 1880-1914. (5 cr; not offered 1977-78)

Major artistic developments during the late 19th and early 20th centuries that provided the basic elements of the aesthetic and visual sensibility of the modern world.

3360w. 20TH-CENTURY ART: 1914-1935. (5 cr; not offered 1977-78)

The art of logic exemplified by de Stijl, purism and constructivism, the art of expression manifested in the German die Brucke and die Blaue Reiter, and the art of the absurd: Dada and surrealism.

3400s. 20TH-CENTURY ART: 1935 TO THE PRESENT. (5 cr; not offered 1977-78)

Individual masters of the 20th century, abstract expressionism, pop art, op art, and the most recent developments in artistic style and theories.

3600w,s. TOPICS IN ART HISTORY. (1-5 cr; repeatable with #)

A seminar course that will treat varying topics. See *Class Schedule* for announcement of topics.

3950f, 3951w, 3952s. DIRECTED STUDY. (1-5 cr per qtr; prereq #)

Individual research and writing in art history under faculty supervision.

Studio Art (ArtS)

OBJECTIVES

The purpose of the studio art curriculum is to help students develop their own creative vision and aesthetic skills and become familiar with major traditions of artistic activity that are part of our cultural heritage. Studio courses serve the needs of students interested in exploring their own creative potential as part of their general education, students preparing for secondary school teaching, and students planning to pursue graduate studies in art.

REQUIREMENTS FOR A MAJOR

ArtS 1600 through 1605 (Basic Studio, 15 cr); 10 credits in art history courses; and participation in a senior exhibit.

Drawing Competency: A demonstrated ability to draw effectively both as a means of self-expression, complete in itself, and as a solid support for other media.

Medium Competency Level I: A demonstrated practical familiarity with a major medium (painting, graphics, three-dimensional), its materials, tools, processes, and traditions. Competency Level I must be demonstrated in two media.

Medium Competency Level II: A demonstrated ability to complete coherent and personally expressive works of art in one of the major media. Competency Level II must be demonstrated in only one medium.

A demonstrated ability to critically analyze and interpret works of art, including one's own, and to discuss their implications with reasoned judgment and informed sensibility.

The student must schedule a series of reviews to present evidence of meeting the above requirements. These reviews are usually held at the end of each academic year. The student will meet with the art faculty members to present and discuss a body of work that demonstrates a specific competency or competencies. Competencies successfully demonstrated will be recorded, and when all the requirements have been met completion of the studio art major will be recorded. If the faculty members have reservations about the work submitted, deficiencies will be discussed and remedies suggested. The student will receive a written record of the discussion.

In most cases, a preview meeting will be held one quarter prior to the competency review for the purpose of identifying possible deficiencies and suggesting possible remedies. Competency previews and reviews are usually scheduled near the end of winter or spring quarter. However, they can be initiated by the student at any time after 1 quarter's work in the area of competency.

Note to Students Entering the Program With Advanced Standing—A minimum of 14 studio art credits must be completed in residence for the major. Competency reviews will be held only after 1 quarter's work in residence in the specific area of competency.

REQUIREMENTS FOR A MINOR

ArtS 1600 through 1605; and one 18-credit sequence in one medium or two 9-credit sequences in different media.¹ Participation in a senior exhibit is encouraged but not required.

REQUIREMENTS FOR TEACHER PREPARATION

Major in studio art; and required professional education courses including methods (ArtE 3940) and student teaching in studio art. Students desiring licensure in grades K-12 must also take Ed 3201.

¹The acceptable media courses for this requirement are 3600-3601-3602, 3700-3701-3702, and 3800-3801-3802.

COURSE DESCRIPTIONS

Note—Both beginning and advanced students are enrolled in the same sections of the following courses: Drawing, Graphics, Painting, Three-Dimensional Media. Students may enroll in any of these courses for a maximum of 3 years.

1500f, 1501w, 1502s. DRAWING. (2 cr per qtr; lab fee required)

Various elements of drawing: form, line, value, composition, etc., employing a variety of materials and approaches. Drawing primarily is from still life and the human figure. Intended for both the art major and minor and the general liberal arts student. The student may register during any quarter, and the course may be taken for a maximum of 18 credits.

1600 through 1605. BASIC STUDIO

Designed as a preparation for work in the major media courses, the two correlated parts of this course must be taken concurrently and in sequence (fall through spring). The lab will deal with work in the studio; the function and elements of design, structure of composition, basics of drawing, and use and exploration of materials and methods in form development. The discussion and lecture will explore theories, philosophy, and history of the visual arts; contemporary trends in art; and selected readings in these subjects from a group of basic books. May be taken by nonmajors.

1600f-1601w-1602s. Basic Studio Laboratory. (3 cr per qtr; lab fee required)

1603f-1604w-1605s. Basic Studio Discussion. (2 cr per qtr)

3600f-3601w-3602s. GRAPHICS. (3 cr per qtr; prereq 1600 through 1605 [Basic Studio, 15 cr], or open to jrs and srs with #; lab fee required)

A study of and practice in various methods of printmaking. Application of drawing, color, composition, etc., to the problems of the graphic processes.

3700f-3701w-3702s. PAINTING. (3 cr per qtr; prereq 1600 through 1605 [Basic Studio, 15 cr], or open to jrs and srs with #; lab fee required)

Interpretation of form in terms of color. Technical problems involved in painting with oils or acrylics. Development of a personal and creative form of expression.

3800f-3801w-3802s. THREE-DIMENSIONAL MEDIA. (3 cr per qtr; prereq 1600 through 1605 [Basic Studio, 15 cr], or open to jrs and srs with #; lab fee required)

Problems in concept visualization in three dimensions, with individualized development in both traditional and contemporary materials and techniques.

3850. PHOTOGRAPHY. (1-3 cr; prereq 1600-1605 and #; lab fee required; offered when feasible)

An introduction to photography as an art medium. Composition and artistic expression explored through basic photographic techniques.

3950f, 3951w, 3952s. DIRECTED STUDY. (1-5 cr per qtr; prereq #)

ENGLISH (Engl)

OBJECTIVES

The purpose of the English curriculum is to introduce students to the study of the English language and literature and to develop their ability to read critically, write effectively, and understand and appreciate the major works of English and American literature. The courses offered are designed to serve the needs of students interested in general education, students planning to pursue graduate work in the discipline, and students preparing for secondary school teaching.

REQUIREMENTS FOR A MAJOR

A minimum of ten courses (50 credits) to include: Engl 1501, 1511, either 3314 or 3315, either 3320 or 3321, either 3511 or 3531, either 3551 or 3571; and at least four more courses in English numbered 1520 or above. No course, even if repeatable for credit, may be repeated for a major except by special permission. *Creative Writing, 3120, may not be repeated for the major.* One course in humanities and a maximum of 10 credits in directed studies may be applied to the major.

REQUIREMENTS FOR A MINOR

A minimum of six courses (30 credits) to include: Engl 1501, 1511, either 3314 or 3315, either 3320 or 3321, either 3511 or 3531, and either 3551 or 3571.

REQUIREMENTS FOR TEACHER PREPARATION**Major:**

Engl 1501, 1511, 3110, 3200, 3220, 3314, 3315, either 3320 or 3321, either 3511 or 3531, either 3551 or 3571; and 10 more credits in courses numbered 1520 or above. No course, even if repeatable for credit, may be repeated for a major except by special permission. *Creative Writing, 3120, may not be repeated for the major.* One course in humanities and a maximum of 10 credits in directed studies may be applied to the major.

Academic instruction in speech in each of the following areas: (a) theory and practice of public address and (b) oral interpretation or play production and direction. Required professional education courses including methods (EngE 3940) and student teaching in English.

FOR STUDENTS INTENDING TO PURSUE GRADUATE STUDY

Graduate schools as a rule do not specify entrance requirements other than the undergraduate degree, but they generally demand a good background in the major area and an excellent scholastic record.

Students who intend to pursue graduate study in literature should acquire some breadth in the major comparable to the following: two courses in American literature; three courses in English literature (one from each of the major periods—the Renaissance, seventeenth and eighteenth century, nineteenth century); one course in Shakespeare (3320 or 3321); and either Studies in Literature (3610) or Single Authors (3620).

Prospective graduate students in literature are encouraged to take related courses in the humanities and in history, and they should keep in mind that most graduate schools require that candidates for advanced degrees have a reading knowledge of at least one foreign language.

COURSE DESCRIPTIONS**1100f,w. COLLEGE COMPOSITION. (5 cr)**

Intensive practice in basic writing skills, including research techniques.

1101w,s. WRITING ABOUT NONFICTION. (5 cr; prereq 1100)

Written analyses of persuasive and informative writings. The emotional and rational strategies by which writers of prose control the responses of their readers. Specific course materials will be announced well in advance.

1102w,s. WRITING ABOUT LITERATURE. (5 cr; prereq 1100)

An inquiry into and practice of rhetorical processes of analysis and evaluation as applied to imaginative literature. Emphasis will be on expository writing, but students will be encouraged to experiment occasionally with imaginative modes.

1501f,s. TECHNIQUE AND FORM IN POETRY. (5 cr)

An introduction to the study of poetry, both traditional and modern. Emphasis on the nature of poetic statement, forms it takes, and techniques it employs. An attempt is made to develop an understanding of and appreciation for poetic form rather than to cover a body of literature.

1511w. BACKGROUNDS TO LITERATURE. (5 cr)

Wide reading in the Bible and versions of the Greek and Roman myths combined with selected readings in English literature that illustrate the literary use of biblical and classical allusions.

Courses of Instruction

- 1521f. MODERN AMERICAN NOVEL.** (5 cr)
Development of the American novel from World War I to the present; such authors as Hemingway, Fitzgerald, Faulkner, Steinbeck, Mailer, Updike, Bellow, and others.
- 1610f,w,s. TOPICS IN LITERATURE.** (5 cr)
The study of a literary topic that is both timely and of broad interest.
- 3110w. ADVANCED COMPOSITION.** (5 cr; prereq #)
Expository prose and argumentation.
- 3120f. CREATIVE WRITING.** (1-5 cr; prereq #; may be repeated except for the major)
Designed to develop the literary and stylistic talents of the student.
- 3200f. MODERN GRAMMAR.** (5 cr)
A practical survey of contemporary American grammar starting with the basics of grammar.
- 3220s. INTRODUCTION TO THE ENGLISH LANGUAGE.** (5 cr)
The structure and operations of current American English. History of the language, relationship of written to spoken English, morphology, development of the word stock, syntax, usage, social and regional dialects, lexicography.
- 3221. TOPICS IN THE ENGLISH LANGUAGE.** (5 cr; offered when feasible)
The course will develop and study in depth any of the areas covered in Engl 3220.
- 3314f. AMERICAN LITERATURE I.** (5 cr; prereq 1501)
American literature from its beginning to 1860; concentration upon the Puritan period, Cooper, Emerson, Thoreau, Hawthorne, Melville, and Whitman.
- 3315w. AMERICAN LITERATURE II.** (5 cr; prereq 1501)
American literature from 1860 to 1914; concentration upon Dickinson, Twain, Dreiser, Crane, and H. James.
- 3320. INTRODUCTION TO SHAKESPEARE: EARLY CAREER.** (5 cr; prereq 1501; offered winter 1979)
A careful reading of a number of plays from Shakespeare's earlier work.
- 3321s. INTRODUCTION TO SHAKESPEARE: LATER CAREER.** (5 cr; prereq 1501)
A careful reading of a number of plays from Shakespeare's later work.
- 3335. MODERN AMERICAN POETRY.** (5 cr; prereq 1501; offered winter 1978)
Twentieth-century developments in American poetry, including Pound and Eliot as well as more contemporary poets such as Lowell, Plath, and others.
- 3350. AMERICAN LITERATURE STUDIES.** (5 cr; prereq 3314 or 3315; offered spring 1979)
Detailed investigation of the works of certain American authors, or an intensive investigation of a particular period or trend. Topic to be announced.
- 3511. RENAISSANCE ENGLISH LITERATURE.** (5 cr; prereq 1501 and 1511; offered fall 1977)
Important figures and their works from 1500 to 1660; emphasis on continuity and development in the major genres—poetry, drama, and nonfictional prose.
- 3531. RESTORATION AND 18TH-CENTURY ENGLISH LITERATURE.** (5 cr; prereq 1501 and 1511; offered fall 1978)
A study of eight or ten major writers of the period 1660-1780, from Dryden and Congreve to Swift, Pope, Addison, Gray, and Johnson.
- 3551w. 19TH-CENTURY ENGLISH LITERATURE.** (5 cr; prereq 1501 and 1511)
Major romantic and Victorian writers through 1890, with emphasis on the poets—Wordsworth, Keats, Shelley, Tennyson, Browning, Arnold.
- 3571s. 20TH-CENTURY ENGLISH LITERATURE.** (5 cr; prereq 1501 and 1511)
English literature from 1890 to 1960, including Wilde, Yeats, Joyce, Auden, Thomas, and others.
- 3572. THE ENGLISH NOVEL.** (5 cr; prereq 1501; offered when feasible)
The development of the English novel from the early 18th century (Defoe) through the latter half of the 19th century (Eliot).
- 3610. STUDIES IN LITERATURE.** (5 cr; offered spring 1978)
An advanced study of a literary topic that may either follow or cut across historic and generic categories and that is not ordinarily included in other English course offerings.
- 3620w. SINGLE AUTHORS.** (5 cr; prereq 1501 and 1511)
Intensive study of the canon of one author, both as a reflection of literary tradition and broad cultural milieu and as the product of a unique, coherent, and personal vision. Topic to be announced.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)

HUMANITIES (Hum)

OBJECTIVES

The course offerings in humanities are designed to introduce the student to our cultural heritage. This interdisciplinary area explores the great literature of the world. Advanced courses in the Division of the Humanities supplement the introductory courses.

COURSE DESCRIPTIONS

1100s. CLASSICS IN TRANSLATION. (5 cr)

Study of selected Greek and Roman texts as works of literature, reflections of a civilization, and influences on Western culture. Topic to be announced.

1121w. WESTERN WORLD LITERATURE. (5 cr)

Emphasis on continental works in a single genre (e.g., the novel) or from a single international literary movement (e.g., romanticism or symbolism). Topic to be announced.

1140s. NONWESTERN WORLD LITERATURE. (5 cr)

The study of Oriental and African literature, reflecting the cultural, literary, and mystical traditions and emphasizing the common values and concerns of the East and the West.

1160. STUDIES IN FRENCH LITERATURE IN TRANSLATION. (5 cr; repeatable when topic changes; offered when feasible)

Topic to be announced.

3100f. OPEN TOPIC. (5 cr)

An opportunity to study a traditional literary or narrative form or an idea as it appears in a number of cultures.

3950f, 3951w, 3952s. DIRECTED STUDY. (1-5 cr per qtr; prereq #)

MODERN LANGUAGES

French (Fren)

OBJECTIVES

The purpose of the French curriculum is to introduce students to the study of the language, literature, and culture of France and the French-speaking world and their impact on Western civilization. The courses are designed for general education as well as to prepare students for teaching and graduate study.

REQUIREMENTS FOR A MAJOR

Fren 1100, 1101, 1102 or equivalent; 1110, 1120, 3106, 3107, 3111 (at least 3 cr), 3241, 3302, 3304, 3306, 3308. Courses offered in English do not count toward the major.

Proficiency Requirement: Students will be expected to demonstrate their proficiency in the field by examination. The examination will be administered by the discipline and will cover the skills of reading, writing, listening, and speaking.

REQUIREMENTS FOR A MINOR

Fren 1100, 1101, 1102 or equivalent; 1110, 1120, 3106, 3107, 3241, 3302, 3304. Courses offered in English do not count toward the minor.

Proficiency Requirement: Same as for the major.

Courses of Instruction

REQUIREMENTS FOR TEACHER PREPARATION

Major or minor in French; and required professional education courses including methods (LanE 3940) and student teaching and proficiency examination in French.

Proficiency Requirement: Students seeking teacher licensure will be expected to demonstrate their proficiency in French by examination. The examination will be administered by the discipline and will cover the skills of reading, writing, listening, and speaking. Students will be required to pass with a rating of at least "good."

COURSE DESCRIPTIONS

Note—Students may not receive double credit for courses offered in both English and French.

- 1100f. BEGINNING FRENCH I.** (5 cr)
Basic grammar, reading, and writing; simple conversation in French; and appreciation of the culture of French-speaking peoples.
- 1101w. BEGINNING FRENCH II.** (5 cr; prereq 1100 or #)
A continuation of 1100.
- 1102s. BEGINNING FRENCH III.** (5 cr; prereq 1101 or #)
A continuation of 1101.
- 1110f. INTERMEDIATE FRENCH I.** (4 cr; prereq 1102 or placement or #)
A review of the essential structural patterns of the French language; continued development of oral-aural, reading, and writing skills based on cultural and literary texts appropriate to this level.
- 1120w. INTERMEDIATE FRENCH II.** (4 cr; prereq 1110 or #)
A continuation of 1110.
- 3106s. ADVANCED WRITTEN FRENCH.** (5 cr; prereq 1120 or #; not offered 1977-78)
The more difficult aspects of the written language. Problems of translation.
- 3107w. ADVANCED ORAL FRENCH.** (5 cr; prereq 1120 or #; not offered 1977-78)
The more difficult aspects of the oral language. Corrective phonetics, oral fluency, listening comprehension, diction emphasized.
- 3111w. FRENCH PRACTICUM.** (1 cr; repeatable to 4 cr; prereq 1120 or #; S-NR grading only)
Additional experience with oral French. Conversational approach plus topics based on current readings; may include oral interpretation of French texts, French play production, and other appropriate activities.
- 3241s. CONTEMPORARY FRANCE.** (4 cr; prereq 1120 or #)
Selected issues on a variety of topics concerning French and the French nation from the end of World War II to the present.
- 3302f. SURVEY OF FRENCH LITERATURE I.** (5 cr; prereq 3241; not offered 1978-79)
Masterpieces of French literature from its beginnings to approximately 1789.
- 3304w. SURVEY OF FRENCH LITERATURE II.** (5 cr; prereq 3302; not offered 1978-79)
Masterpieces in French literature from approximately 1789 to present.
- 3306s. TOPICS IN FRENCH LITERATURE I.** (5 cr; prereq 3241; repeatable when topic changes; not offered 1978-79)
Topics in the literature of metropolitan France. Specific topic will be announced in the *Class Schedule*.
- 3308s. TOPICS IN FRENCH LITERATURE II.** (5 cr; prereq 3241; repeatable when topic changes; not offered 1977-78)
Topics in the literature of francophone lands outside France. Specific topic will be announced in the *Class Schedule*.
- 3600. INDEPENDENT READINGS IN FRENCH LITERATURE OR CIVILIZATION.** (5 cr; prereq 3304 and # for literature and 3241 and # for civilization for majors or minors...# for nonmajors and nonminors; offered when feasible)
(Offered in French for majors, English for nonmajors) Specially designed readings for majors or nonmajors in either literature or civilization, or both, to fulfill particular needs or interests.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)

German (Ger)

OBJECTIVES

The purpose of the German curriculum is to introduce students to the study of the language, literature, and culture of Germany. The courses are designed to satisfy general education and communication requirements as well as to prepare students for teaching or continued study in German literature and culture in graduate school. Several courses are taught in English and are open to all students.

REQUIREMENTS FOR A MAJOR

Ger 1100, 1101, 1102 or equivalent; 1110, 1120, 3100, 3105, 3110, 3200, 3201; and four additional 4-credit courses in German numbered 3000 or above.

Proficiency Requirement: Students will be expected to demonstrate their proficiency in the field by examination. The examination will be administered by the discipline and will cover the skills of reading, writing, listening, and speaking.

REQUIREMENTS FOR A MINOR

Ger 1100, 1101, 1102 or equivalent; 1110, 1120, 3100, 3105, 3110, 3200, 3201; and two additional 4-credit courses in German numbered 3000 or above.

Proficiency Requirement: Same as for the major.

REQUIREMENTS FOR TEACHER PREPARATION

Major or minor in German; and required professional education courses including methods (LanE 3940) and student teaching in German.

Regular use of the language laboratory and, if possible, a foreign study experience are recommended for maintenance of the language skills.

Proficiency Requirement: Students seeking teacher licensure will be expected to demonstrate their proficiency in German by examination. The examination will be administered by the discipline and will cover the skills of reading, writing, listening, and speaking. Students will be required to pass with a rating of at least "good."

COURSE DESCRIPTIONS

Note—Students may not receive double credit for courses offered in both English and German.

1100f. BEGINNING GERMAN I. (5 cr)

Introduction to basic grammar, reading, and writing. Basic principles of German syntax, pronunciation, and conversational patterns are reinforced by laboratory drills. Elementary-level reading helps to develop command of basic vocabulary.

1101w. BEGINNING GERMAN II. (5 cr; prereq 1100 or #)

A continuation of 1100.

1102s. BEGINNING GERMAN III. (5 cr; prereq 1101 or #)

A continuation of 1101.

1110f. INTERMEDIATE GERMAN I. (5 cr; prereq 1102 or #)

A review of applied grammar based on the reading and analysis of intermediate-level literary texts. Laboratory drills.

1120w. INTERMEDIATE GERMAN II. (4 cr; prereq 1110 or #)

Introduction to German culture. Readings cover the main trends in German traditions and ideas from the early beginnings to the present. Language practice through analysis of texts and discussion of ideas; oral and written reports in German. Audiovisual aids; recorded music and literature (*Rosenkavalier*, *Dreigroschenoper*, *Faust*).

Courses of Instruction

- 3100s. BEGINNING CONVERSATION AND COMPOSITION.** (4 cr; prereq 1102 or #)
Designed to develop skills in German language usage through grammar review, speech pattern drills, compositions, and oral reports. Laboratory drills afford opportunity for improving fluency. Berlitz patheslide series will aid oral practice.
- 3105s. READINGS AND ANALYSIS OF LITERARY TEXTS.** (4 cr; prereq 1120 or #)
Selections from recent and contemporary literature are read, analyzed, and discussed in order to help the student develop an appreciation for the intrinsic values of German literature. An introduction to stylistics.
- 3106f. INTERMEDIATE GERMAN CONVERSATION.** (4 cr; prereq 3100, 3105, or #)
A practicum designed to help students improve their oral skills. Some remedial grammar, aural-oral drills, short written reports, oral reports on contemporary topics, skits.
- 3110s. ADVANCED GERMAN COMPOSITION AND CONVERSATION.** (4 cr; prereq 3105 or #)
Practice in fluent and idiomatic usage of the German language. The more difficult aspects of the structural patterns of German. Study of contemporary journalistic materials. Laboratory audiovisual drills.
- 3120w. GERMAN PLAY.** (1 cr; repeatable to 4 cr; prereq 1101 or #; S-NR grading only)
The reading, study, and presentation of a short contemporary play. Designed to enhance fluency and familiarity with the modern idiom.
- 3200f. SURVEY OF GERMAN LITERATURE AND CULTURE AS REFLECTED IN LITERARY TEXTS I.** (4 cr; prereq 3105 or #)
A chronological study of German literature and its cultural background from the early beginnings through the romantic movement, early 19th century. Selected representative works are read and analyzed.
- 3201w. SURVEY OF GERMAN LITERATURE AND CULTURE AS REFLECTED IN LITERARY TEXTS II.** (4 cr; prereq 3105 or #)
A chronological study of German literature and its cultural background covering the 19th and 20th centuries. Selected representative works are read and analyzed.
- 3220w. GERMAN CULTURAL VALUES IN CONTEMPORARY SOCIETY.** (4 cr; open to all interested students; not offered 1977-78)
Recent developments in the two cultures of divided Germany. Lectures supported by audiovisual materials on art and architecture. One modern play is read. Lectures and reading in English.
- 3221w. GERMAN CULTURAL VALUES IN CONTEMPORARY SOCIETY.** (4 cr; prereq 3200 or 3201; not offered 1977-78)
Same course as 3220 except readings are in German.
- 3500f. CLASSICAL AND ROMANTIC TRADITION IN GERMAN LITERATURE.** (4 cr; prereq 3200, 3201; not offered 1978-79)
Some major works of the "golden age" of German literature (1750-1850) are compared and contrasted on the basis of their relationship to most important trends of the premodern age. Readings include Goethe's *Faust*, dramas by Schiller, and novellas of the romantic period.
- 3530w. STUDIES IN GERMAN DRAMA.** (4 cr; open to all interested students; not offered 1978-79)
Some works of the 19th century, but emphasis is on the works of Brecht, Dürrenmatt, Frisch, Weiss, and other modern playwrights. Readings, lectures, and discussions in English.
- 3531w. STUDIES IN GERMAN DRAMA.** (4 cr; prereq 3200, 3201; not offered 1978-79)
Same course as 3530 except readings are in German.
- 3600s. GERMAN LITERATURE IN FILM.** (4 cr; open to all students; not offered 1977-78)
Works by leading German authors, such as Goethe, Büchner, T. Mann, H. Mann, and Brecht are read, viewed, and compared with their treatment in film. Development of the German film as an expressionistic art form. Film presentations are in German but with English subtitles in most cases. Readings and lectures are in English.
- 3610. TOPICS IN GERMAN.** (4 cr; offered when feasible; not offered 1978-79)
Students select and develop topics of their own interest in any area of German literature or culture. Topics may be an in-depth study of one author or a specific period in German literature. Students should discuss their interests in advance with instructor since course will be offered on demand. Seminar discussions based on individual library research. Readings and discussions are in English.
- 3611. TOPICS IN GERMAN.** (4 cr; prereq 3200, 3201; offered when feasible; not offered 1978-79)
Same course as 3610 except readings and discussions are in German. Advanced students in German complete an in-depth study in an area of their field of interest. Students should discuss their topic in advance with instructor.
- 3651f. STUDIES IN GERMAN LITERATURE.** (4 cr; open to all interested students; prereq 3200 and 3201; not offered 1977-78)
Selections reflect trends in literary movements in a divided Germany. Prose texts and poetry are read in German; lectures and seminar-type discussions are in English.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)

Spanish (Span)

OBJECTIVES

The Spanish curriculum offers an opportunity for in-depth study of Hispanic culture, language, and literature. The courses are designed to help students develop critical insight into the philosophy and values of another culture, fluency in a second language, and sensitivity toward literature that reflects the experience of Spanish-speaking peoples. The curriculum accommodates liberal arts students interested in a cross-cultural perspective or an in-depth language experience as well as students interested in secondary school teaching or in graduate studies in the field.

REQUIREMENTS FOR A MAJOR

Span 1100, 1101, 1102 or equivalent; 1110, 1120, 3101, 3120, 3130, 3140, 3510, 3520, 3601, 3602, and either 3604 or 3531.

A foreign study experience and regular use of the language laboratory are recommended for maintenance of the language skills. Latin-American area studies courses are also recommended.

Proficiency Requirement: Students will be expected to demonstrate their proficiency in the field by examination. The examination will be administered by the discipline and will cover the skills of reading, writing, listening, and speaking.

REQUIREMENTS FOR A MINOR

Span 1100, 1101, 1102 or equivalent; 1110, 1120, 3101, 3120, 3130, 3140, 3510, and 3602.

A foreign study experience and regular use of the language laboratory are recommended for maintenance of the language skills. Latin-American area studies courses are also recommended.

Proficiency Requirement: Same as for the major.

REQUIREMENTS FOR TEACHER PREPARATION

Major or minor in Spanish; and required professional education courses including methods (LanE 3940) and student teaching in Spanish.

A foreign study experience and regular use of the language laboratory are recommended for maintenance of the language skills. Latin-American area studies courses are also recommended.

Proficiency Requirement: Students seeking teacher licensure will be expected to demonstrate their proficiency in Spanish by examination. The examination will be administered by the discipline and will cover the skills of reading, writing, listening, and speaking.

FOR STUDENTS NOT MAJORING OR MINORING IN SPANISH

For an In-Depth Cultural Emphasis:

Span 1100, 1101, 1102 or equivalent; 1110, 1120, 3101, 3605. Courses in Latin-American area studies and a foreign study experience are recommended.

Courses of Instruction

For an In-Depth Language Emphasis:

Span 1100, 1101, 1102 or equivalent; 1110, 1120, 3120, 3130, 3140. A foreign study experience, special projects in language, and regular use of the language laboratory are recommended for maintenance of the language skills.

COURSE DESCRIPTIONS

Note—Students may not receive double credit for courses offered in both English and Spanish.

- 1100f. BEGINNING SPANISH: LANGUAGE AND CULTURE.** (5 cr)
An integrated approach to the culture of Spanish-speaking peoples. Focuses on language as well as aspects of language such as modern philosophy, customs, and traditions of Spanish America and Spain. Emphasis upon reading ability and rudimentary conversation.
- 1101w. BEGINNING SPANISH: LANGUAGE AND CULTURE.** (5 cr; prereq 1100 or #)
The second course in the sequence beginning with 1100.
- 1102s. BEGINNING SPANISH: LANGUAGE AND CULTURE.** (5 cr; prereq 1101 or #)
The third course in the sequence beginning with 1100.
- 1110f. INTERMEDIATE SPANISH I: A CULTURAL APPROACH.** (4 cr; prereq 1102 or #)
Intermediate Spanish grammar and conversation with special topics of cultural interest. Intensive study of grammar, special reports, debates, situational (survival) dialogues, simulations, and dramatic presentations. Emphasis on development of meaningful vocabularies and grammatical skill.
- 1120w. INTERMEDIATE SPANISH II: A CULTURAL APPROACH.** (4 cr; prereq 1110 or #)
Intermediate Spanish grammar and reading. Intensive study of grammar, cultural readings from contemporary Latin American and peninsular short fiction and contemporary events. Intensive practice in grammar, reading, preparation of original compositions, and conversation.
- 3101s. INTRODUCTION TO SPANISH THOUGHT.** (4 cr; prereq 1120 or #)
An introduction to the intellectual thought of Spain and Spanish America as seen in its literature. Emphasis on literary history, major periods and figures.
- 3120f. STUDIES IN ADVANCED SPANISH LANGUAGE I.** (4 cr; prereq 3101 or #)
An in-depth study of the basic structures and pronunciation and diction patterns of the Spanish language with projects designed to develop a high degree of writing, listening, and speaking skills.
- 3130w. STUDIES IN ADVANCED SPANISH LANGUAGE II.** (4 cr; prereq 3120 or #)
Designed with goals similar to those of 3120 but with a view to the more subtle aspects of advanced Spanish grammar and pronunciation and diction.
- 3140s. ADVANCED SPANISH CONVERSATION AND COMPOSITION.** (4 cr; prereq 3130 or #)
Intensive practice in Spanish conversation and writing skills. Emphasis on idiomatic speech and writing appropriate to a variety of situations.
- 3510s. LITERATURE OF THE GOLDEN AGE.** (4 cr; prereq 3101 or #; not offered 1978-79)
The major dramatists and poets of the period: Lope de Vega, Tirso de Molina, Juan Ruíz de Alarcón, Calderón de la Barca, Fray Luis de León, Góngora, Quevedo.
- 3520f. LITERATURE OF 19TH-CENTURY SPAIN.** (4 cr; prereq 3101 or #; not offered 1978-79)
The poetry of romanticism, the development of realism from "costumbrismo" through the Spanish naturalistic novel, the generation of 1898 with such authors as Espronceda, Bécquer, Larra, Alarcón, Valera, Pérez Galdós, Blasco Ibáñez, Benavente.
- 3531w. SEMINAR IN CONTEMPORARY PENINSULAR LITERATURE.** (4 cr; prereq 3101 or #; not offered 1977-78)
Various topics in contemporary Spanish literature such as the role and function of women in Spanish society, the problem of general human fulfillment, Spanish ethical viewpoints, and possibilities for social change as seen by various authors. Topic to be announced.
- 3601f. TOPICS IN LATIN-AMERICAN LITERATURE FROM 1400 TO 1900.** (4 cr; prereq 3101 or #; not offered 1977-78)
A comprehensive view of Latin-American literature during the baroque, neoclassic, romantic, realist, and modernist periods with a stress on important figures such as Inca Garcilaso de la Vega, Sor Juana Inés de la Cruz, Lizardi, Echeverría, Sarmiento, Palma, Darío, Martí, and Lugones. An examination of all literary genres. Topic to be announced.
- 3602s. TOPICS IN LATIN-AMERICAN LITERATURE FROM 1900 TO PRESENT.** (4 cr; prereq 3101 or #; not offered 1977-78)
A comprehensive view of Latin-American literature during the contemporary period, stressing important

figures such as Huidobro, Vallejo, Neruda, Paz, Carpentier, Borges, Asturias, Vargas Llosa, Cortázar, and García Marquez. An examination of all literary genres with emphasis on the novel since 1950. Topic to be announced.

3604w. SEMINAR IN LATIN-AMERICAN LITERATURE. (4 cr; prereq 3101 or #; not offered 1978-79)

Various topics in Latin-American literature such as novel of the Mexican revolution, Borges and the modern short story, literature of fantasy, the role of the Indian in literature, poetry of social struggle, gaucho literature, and heroes and antiheroes in modern fiction. Topic to be announced.

3605s. SEMINAR IN LATIN-AMERICAN LITERATURE: CULTURES IN CRISIS. (4 cr; open to all students)

Past and present culture of Latin America, including Hispanic groups in the United States (Chicanos, Puerto Ricans, Cubans), as reflected in historical and fictional literature. Emphasis on dependency and underdevelopment in the process of forming a cultural identity. Discussions and readings in English.

3950f, 3951w, 3952s. DIRECTED STUDY. (1-5 cr per qtr; prereq #)

MUSIC (Mus)

OBJECTIVES

The music curriculum is designed to offer courses and experiences to familiarize the student with the traditions of Western music and foster the development of the critical ability necessary for understanding those traditions. Theoretical and practical courses that provide a sound academic background in music are available for those who intend to continue to pursue graduate study, for those who intend to teach, and for those who are interested in music as an area of study to fulfill general education requirements.

REQUIREMENTS FOR A MAJOR

11 enrollments in Mus 0100; 1100-1101-1102, 1103-1104-1105, 1113-1114-1115, 1116-1117-1118, 3104-3105-3106; 11 credits in Individual Performance Studies in the student's major area; Senior Project 3320; and 9 additional credits in music courses numbered 3000 or above.

REQUIREMENTS FOR A MINOR

At least 30 credits to include Mus 1100-1101-1102 and either 1113-1114-1115 and 1116-1117-1118 or 3104-3105-3106.

REQUIREMENTS FOR TEACHER PREPARATION

Major:

Major in music; 11 credits from Mus 1400, 1405, 1410, 1420, 1430, 1440; and required professional education courses including methods (MusE 3940) and student teaching in music. Students desiring licensure in grades K-12 must also take Ed 3210.

Those planning to enter instrumental teaching should include within the major Mus 3330, 3331, 3332, 3340, and 3341.

Those planning to enter choral teaching should include within the major Mus 3450 and 3451.

Minor:

Minor in music; and required professional education courses including methods (MusE 3940) and student teaching in music. Students desiring licensure in grades K-12 must also take Ed 3210.

Courses of Instruction

COURSE DESCRIPTIONS

0100f,w,s. CONCERT ATTENDANCE. (No cr; S-NR grading only)

Designed to encourage concert attendance as an important aspect of learning about music—the literature, various media, performance practice, and related topics. Satisfactory completion is attendance of a minimum of 75 percent of the concert offerings each quarter.

1100 through 1105. CORE STUDIES I: MUSIC THEORY

Review of fundamentals; contrapuntal and harmonic techniques; designed to develop effective analytical skill. A concurrent class in ear-training and sight-singing is required of music majors and optional for nonmajors.

1100f-1101w-1102s. Music Theory. (3 cr per qtr)

1103f-1104w-1105s. Ear-Training and Sight-Singing. (2 cr per qtr; S-NR grading only)

1113 through 1118. CORE STUDIES II: ADVANCED MUSIC THEORY

A continuation of Core Studies I, including harmonic, contrapuntal, and 20th-century techniques. Analysis of larger forms emphasized through study of works of all periods. A concurrent class in ear-training and sight-singing is required of music majors and optional for nonmajors.

1113f-1114w-1115s. Advanced Music Theory. (3 cr per qtr; prereq 1102)

1116f-1117w-1118s. Advanced Ear-Training and Sight-Singing. (1 cr per qtr; prereq 1105; S-NR grading only)

1200w,s. INTRODUCTION TO MUSIC. (5 cr)

A general survey emphasizing development of an intelligent understanding and appreciation of music. Designed for non-music majors.

1210f. FUNDAMENTALS OF MUSIC. (4 cr)

The rudiments of music, its notation, basic formal concepts, and an introduction to the keyboard. Designed for non-music majors.

1300 through 1318f,w,s. INDIVIDUAL PERFORMANCE STUDIES. (1 cr per qtr for each; prereq #)

Private instruction in the following areas is open to all students. It is recommended that music majors fulfill their requirement of 11 credits in successive enrollments in order to maintain continuous emphasis in the major performance area. The 3300 through 3318 series is intended for music students who have achieved an advanced performance level. A jury examination in the major performance area is required to progress to the advanced performance series. The examination may be taken at any time; it provides an effective check on the music student's progress. *Note—Applied music instructors are not expected to make up sessions for unexcused absences from scheduled lessons.*

1300. Piano

1301. Voice

1303. Violin

1304. Viola

1305. Cello

1306. Double Bass

1307. Flute

1308. Oboe

1309. Clarinet

1310. Saxophone

1311. Bassoon

1312. Trumpet

1313. French Horn

1314. Trombone

1315. Tuba

1316. Percussion

1317. Organ

1318. Harpsichord

1319f,w,s. ACCOMPANYING. (1 cr; prereq #; S-NR grading only)

Piano students broaden their music skills by accompanying; students who accompany private lessons may receive credit. Accompanying assignments are made through consultation with the piano faculty.

1400f,w,s. CONCERT BAND. (1 cr; prereq #; S-NR grading only)

Rehearsals and concerts cover standard and contemporary band literature. Several concerts annually.

1405f,w,s. STAGE BAND. (1 cr; prereq #; S-NR grading only)

Rehearsals and concerts cover the literature for this medium.

1410f,w,s. ORCHESTRA. (1 cr; prereq #; S-NR grading only)

Wide range of orchestral literature performed. Several public concerts annually.

1430f,w,s. UNIVERSITY CHOIR. (1 cr; prereq #; S-NR grading only)

Preparation of choral works for at least one public concert each quarter and other special events.

1440f,w,s. CHAMBER CHOIR. (1 cr; prereq #; S-NR grading only)

Preparation of choral works suited to a small mixed ensemble with several annual performances.

1460f,w,s. SMALL CHAMBER ENSEMBLE. (1 cr; prereq #)

Performance of instrumental or vocal chamber music. Groups are formed according to the interests of students and availability of materials.

- 3104f-3105w-3106s. CORE STUDIES III: MUSIC HISTORY AND LITERATURE.** (4 cr per qtr; prereq 1102 or #)
The historical development of Western music and representative literature of the various periods and styles. Emphasis on listening, score analysis, and performance practice.
- 3104f. Music of the Medieval, Renaissance, and Baroque Eras.** (4 cr; prereq 1102 or #)
3105w. Music of the Classical and Romantic Periods. (4 cr; prereq 1102 or #)
3106s. Post-Romantic and Contemporary Music. (4 cr; prereq 1102 or #)
- 3300 through 3318f,w,s. INDIVIDUAL PERFORMANCE STUDIES.** (1 cr per qtr for each; prereq successful completion of jury examination)
Private instruction in the major performance area for music students at an advanced level of performance. For listing of performance areas, see Mus 1300 through 1318 above. *Note—Applied music instructors are not expected to make up sessions for unexcused absences from scheduled lessons.*
- 3320f,w,s. SENIOR PROJECT.** (1 cr; S-NR grading only)
A culminating activity that allows a graduating student to demonstrate competence as a musician. Projects may take the form of a solo recital, lecture-recital, research paper, chamber music recital, or other major study. The project should be determined in the student's junior year and approved by the music faculty. Majors taking Individual Performance Studies 3300 through 3318 normally satisfy this requirement with a senior recital.
- 3330f. INSTRUMENTAL TECHNIQUES—WOODWIND.** (2 cr)
A practical study designed to develop elementary skills as well as a basic teaching knowledge and understanding of performance problems of the woodwind instruments.
- 3331w. INSTRUMENTAL TECHNIQUES—BRASS AND PERCUSSION.** (2 cr)
A practical study designed to develop elementary skills as well as a basic teaching knowledge and understanding of performance problems of the brass and percussion instruments.
- 3332s. INSTRUMENTAL TECHNIQUES—STRINGS.** (2 cr)
A practical study designed to develop elementary skills as well as a basic teaching knowledge and understanding of performance problems of the string instruments.
- 3340s. INSTRUMENTAL CONDUCTING.** (2 cr; prereq #; not offered 1977-78)
Fundamentals and special problems of instrumental conducting.
- 3341w. ORCHESTRATION.** (2 cr; prereq #; not offered 1977-78)
Theoretical study of orchestral and band instruments and special problems of scoring and arranging for large instrumental ensembles.
- 3350w. 16TH-CENTURY COUNTERPOINT.** (4 cr; prereq 1102; not offered 1978-79)
Strict modal counterpoint in two, three, and four parts; writing of canon, points of imitation, double counterpoint.
- 3351s. 18TH-CENTURY COUNTERPOINT.** (4 cr; prereq 3350; not offered 1978-79)
Tonal counterpoint in the style of Bach; the invention, sinfonia, fugue.
- 3400f,w,s. COMPOSITION.** (Cr ar; prereq #)
Original work guided on an individual basis.
- 3450s. CHORAL CONDUCTING.** (2 cr; prereq #; not offered 1978-79)
Fundamentals and special problems of choral conducting.
- 3451s. CHORAL LITERATURE.** (2 cr; prereq #; not offered 1977-78)
A survey of ensemble materials for various levels of ability.
- 3500f, 3501w, 3502s. SEMINAR.** (1-5 cr per qtr; prereq 3106 or #)
To be arranged according to student and faculty interests and needs. Seminar topics will be announced well in advance of the term they are offered.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)

PHILOSOPHY (Phil)

OBJECTIVES

The courses in philosophy are designed not only to acquaint students with significant and systematic portions of the record of individuals' reflections about themselves and the universe but also, more importantly, to teach those logical and analytical skills that have evolved from such inquiry.

The requirements for a major or minor in the discipline are intended to be few

Courses of Instruction

enough to facilitate the pursuit of a liberal education from a base in philosophy. Some students may wish to complete more than the minimum requirements.

REQUIREMENTS FOR A MAJOR

Phil 1210; three courses selected from Phil 3100, 3101, 3102, 3104; three courses selected from Phil 3130, 3210, 3215, 3240, 3260, 3320, 3330; one course selected from Phil 3600, 3610, 3620, 3630; and Phil 3850.

REQUIREMENTS FOR A MINOR

Phil 1210; two courses selected from Phil 3100, 3101, 3102, 3104; two courses selected from Phil 3130, 3210, 3215, 3240, 3260, 3320, 3330; and one course selected from Phil 3600, 3610, 3620, 3630.

COURSE DESCRIPTIONS

- 1130. PHILOSOPHY AND CONTEMPORARY MORAL ISSUES.** (5 cr; offered spring 1978, winter 1979)
A critical analysis of arguments aimed at the resolution of some contemporary moral issues.
- 1140f. PHILOSOPHY AND LITERATURE.** (5 cr; not offered 1978-79)
Philosophical problems reflected in classics in literature. Attention to Aeschylus, Sophocles, Euripides, Shakespeare, Voltaire, Tolstoy, Ibsen, T. S. Eliot, Camus, and Gide.
- 1150. PHILOSOPHY AND PSYCHICAL RESEARCH.** (5 cr; offered when feasible)
A critical examination of philosophical issues such as the mind/body problem, survival hypothesis, personal identity, time, space, and concepts of knowledge that underlie the theory and practice of psychical research.
- 1170f. PHILOSOPHY AND RELIGIOUS ISSUES.** (5 cr; not offered 1977-78)
A critical study of the question of the existence of God, including the problem of evil, the problem of verification/falsification of religious statements, and the nature of religious language.
- 1210. INTRODUCTION TO LOGIC.** (5 cr; offered fall, spring 1977-78 and fall, winter, 1978-79)
An introduction to symbolic logic. Includes truth-tables and natural deduction techniques for propositional logic and first-order predicate logic. The application of symbolic logic to arguments formulated in ordinary English.
- 3100, 3101, 3102, 3104. HISTORY OF PHILOSOPHY**
Survey of the historical development of Western philosophic thought. The courses need *not* be taken in sequence.
- 3100f. Ancient Philosophy.** (5 cr; prereq soph)
Survey of the main developments in Western philosophic thought from Thales to Plotinus. Plato and Aristotle and their influence upon subsequent thought.
- 3101w. Rationalism and Empiricism.** (5 cr; prereq soph)
The philosophical systems of continental rationalism (Descartes, Spinoza, and Leibniz) and British empiricism (Locke, Berkeley, and Hume).
- 3102s. Kant and 19th-Century Continental Thought.** (5 cr; prereq soph)
The "critical philosophy" of Immanuel Kant as reflected in the *Prolegomena* and the influence of Kant on 19th-century continental thought. Readings from Hegel, Schopenhauer, Kierkegaard, and Nietzsche.
- 3104f. Anglo-American Philosophy Since 1900.** (5 cr; prereq 1210 or #; not offered 1978-79)
A critical study of selected works of such philosophers as Wittgenstein, Russell, Moore, Austin, Carnap, Ryle, and Quine.
- 3130s. PHILOSOPHY OF LOGIC.** (5 cr; prereq 1210; not offered 1978-79)
Philosophical issues concerning formal logic: the syntax-semantics-pragmatics distinction, the bearers of truth, the nature of logical truth, the concept of logical consequence, the relation of formal logic to natural language.
- 3140s. SYMBOLIC LOGIC.** (5 cr; prereq 1210 or #; not offered 1977-78)
An advanced treatment of topics considered in Phil 1210. Includes alternative decision procedures for propositional logic, natural deduction techniques for propositional calculus and first-order predicate calculus with identity, the logic of relations, syntactic and semantic metatheory for propositional and first-order predicate calculi.

- 3200f. AESTHETICS.** (5 cr; prereq soph or #; not offered 1977-78)
Philosophical problems in the evaluation of natural objects and works of art. Historically important "theories" of art and vocabularies of aesthetic response and aesthetic criticism.
- 3210w. ETHICS.** (5 cr; prereq 1210 or #)
Some major issues in contemporary moral philosophy.
- 3215s. ETHICAL THEORY.** (5 cr; prereq 1210 or #; not offered 1977-78)
An intensive study of one or more ethical theories.
- 3240w. METAPHYSICS AND EPISTEMOLOGY.** (5 cr; prereq 1210 or #; not offered 1977-78)
A critical examination of problems of traditional metaphysics and/or the theory of knowledge. Topics chosen from the following: the problem of universals, the mind/body problem, the analytic-synthetic distinction, the problem of a priori knowledge, the problem of perception, the analysis of epistemic concepts: knowledge, belief, evidence.
- 3260w. POLITICAL PHILOSOPHY.** (5 cr; prereq 1210 or #; not offered 1978-79)
An analytical study of the philosophical issue of politics; e.g., the common good, authority, justice, natural law, natural rights.
- 3320f. PHILOSOPHY OF LANGUAGE.** (5 cr; prereq 1210 or #; not offered 1978-79)
A critical examination of recent developments in the philosophy of language: semantic theory, the function of signs and symbols in discourse, speech acts, the transformational theory of grammar, syntactic structures. Readings from philosophers such as Wittgenstein, Austin, Searle, Chomsky, Frege, Strawson, Russell, and Kripke.
- 3330s. PHILOSOPHY OF MIND.** (5 cr; prereq 1210 or #; not offered 1978-79)
The analytic study of problems related to the nature and kinds of mental phenomena and our knowledge of them.
- 3600w. PHILOSOPHICAL STUDIES SEMINAR.** (5 cr; repeatable; prereq 1210 or #; not offered 1978-79)
An intensive investigation of a particular philosophical problem or area. Topic to be announced.
- 3610s. SEMINAR ON THE PHILOSOPHY OF KANT.** (5 cr; prereq 3102 or #; not offered 1977-78)
Selected works by Kant; appropriate traditional and contemporary secondary literature.
- 3620. SEMINAR ON AN INDIVIDUAL PHILOSOPHER.** (5 cr; repeatable; prereq #; offered winter, spring 1978; not offered 1978-79)
A detailed investigation of the work(s) of a major philosopher. Topic to be announced.
- 3630s. SEMINAR IN LEGAL PHILOSOPHY.** (5 cr; prereq #; not offered 1977-78)
An in-depth study of some of the philosophical problems of law.
- 3850f,w,s. SENIOR PHILOSOPHICAL THESIS.** (5 cr; prereq major in philosophy and #)
The development of a significant paper on an approved topic under the direction of one or more members of the philosophy staff. To be presented to the staff for evaluation on completion.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)

SPEECH AND THEATRE ARTS

Speech Communication (Spch)

OBJECTIVES

The purpose of the speech communication curriculum is to provide instruction and experiences for those interested in the oral communication tradition and principles and concepts from that tradition that have implications for the contemporary world, the relationship between the manipulation of symbols in transactional confrontation and specific areas of rhetoric and dialectics, and the speech communication process in systems of various sizes—interpersonal, small group, group-to-group. In addition, the curriculum provides opportunity for directed practice and criticism.

Courses of Instruction

REQUIREMENTS FOR A MAJOR

Spch 1100 or 1101, 1102, 3100, 3110, 3131, 3200, 3300, 3400, 3410 or 3430; and two additional speech communication courses or courses selected from Phil 1210 (Logic), Engl 3220 (Introduction to the English Language), Psy or Soc 3530 (Group Dynamics) or Th 3750 (Oral Interpretation).

REQUIREMENTS FOR A MINOR

Spch 1100 or 1101; and five additional speech communication courses.

REQUIREMENTS FOR TEACHER PREPARATION WITH A SPEECH COMMUNICATION MAJOR

Major:

A minimum of 45 credits in speech communication courses to include Spch 1400, 1790; Th 3750; and required professional education courses including methods (SThE 3940) and student teaching in speech communication.

Minor:

Spch 1100 or 1101, 3110, 3200, 3300; Th 3750; one course selected from 3131, 3400, 3410; 1400 or 1790; and required professional education courses including methods (SThE 3940) and student teaching in speech communication.

REQUIREMENTS FOR TEACHER PREPARATION WITH A SPEECH-THEATRE MAJOR

Spch 1100 or 1101, 1400, 3200, 3300, either 3400 or 3410; Th 1500, 1700, 1810, 3600, 3700, 3750, 3800; participation in at least two kinds of speech or theatre activities; and required professional education courses including methods (SThE 3940) and student teaching in speech communication and theatre arts.

COURSE DESCRIPTIONS

- 1100f. INTRODUCTION TO PUBLIC SPEAKING.** (5 cr)
An introduction to public address and speech communication, theory, directed practice in a variety of speech situations.
- 1101f,w,s. INTRODUCTION TO SPEECH COMMUNICATION.** (5 cr)
A fundamentals course that surveys the field of communication, including intrapersonal, interpersonal, small group and organizational communication, public speaking, mass communication and intercultural communication. Directed laboratory experience in all areas. Recommended for majors, minors, and general education requirements.
- 1102f,s. INTERPERSONAL COMMUNICATION.** (4 cr; not offered spring 1978)
Study of the variables in spontaneous, face-to-face interaction aimed at creating understanding of the student's own communication patterns in dyads.
- 1400s. INTRODUCTION TO MASS MEDIA.** (3 cr; not offered 1978-79)
Radio and television, including history, means, media, sponsorship, and the relation of these to the public's interest.
- 1401f. INTRODUCTION TO BROADCASTING.** (3 cr; 1 hr lect, 4 hrs lab; not offered 1977-78)
Problems of production, equipment organization; experience in production.
- 1790f,w. FORENSICS PERFORMANCE.** (1 cr; repeatable to 8 cr; prereq #: S-NR grading only)
Active participation in two different competitive forensics events such as debate, extemporaneous speaking, persuasive speaking, rhetorical criticism, oral interpretation, and reader's theatre; analysis of competitive experience.

- 3100f,w,s. CONTINUING SEMINAR.** (1 cr; repeatable to 6 cr; prereq speech communication major and #; S-NR grading only)
The continuing examination of speech communication, relating the parts to the whole.
- 3110w. PUBLIC SPEAKING.** (5 cr; prereq 1100 or 1101 or high school course in public speaking)
Relationships of purpose, source, media, and audience in the public speech occasion. Preparation and delivery of speeches from manuscript and extemporaneous situations.
- 3131s. CONTEMPORARY THEORY: LANGUAGE AND SPEECH COMMUNICATION.** (5 cr; prereq 1100 or 1101)
Works that have affected speech communication—Richards, Burke, McLuhan, and others; characteristics of language; its function in oral discourse; models of communication.
- 3200f. PERSUASION.** (5 cr; prereq 1100 or 1101 or #)
Speech communication intended to influence choice; psychological theories of persuasion and current research; theories of rational discourse; persuasion in interpersonal, public speaking, and mass communication contexts. Directed practice.
- 3300w. SMALL GROUP COMMUNICATION.** (5 cr; prereq 1102 or #)
Communication in small groups; structure, role emergence, climate, analysis, practice.
- 3310. INTERCULTURAL COMMUNICATION.** (5 cr; prereq 1100 or 1101 or #; offered when feasible)
Speech communication between persons of two or more cultures. Cultural shock, value systems, nonverbal behavior, language skills; their influence on intercultural interpersonal communication. Students may specialize in the study of communication between persons of their own culture and those of a particular contrast.
- 3320. COMMUNICATION IN ORGANIZATIONS.** (4 cr; prereq 1100 or 1101 or #; offered when feasible)
The role of speech communication in human organizations, structures, channels, practices, breakdowns, and presentational speaking.
- 3400f. WESTERN SPEECH TRADITIONS.** (5 cr; prereq 1100 or 1101 or #)
Greek, Roman, medieval, and Renaissance theories and practices of speechmaking; historical and philosophic context and influence on education.
- 3410w. AMERICAN PUBLIC ADDRESS.** (5 cr; prereq 1100 or 1101; not offered 1977-78)
Survey of the history and criticism of religious and political speech in the United States from 1620 to the 1950s.
- 3430s. CONTEMPORARY RHETORIC AND CRITICISM.** (5 cr; prereq 1100 or 1101; not offered 1978-79)
Theories of rhetorical criticism applied to speeches and social movements in America and abroad since the 1950s.
- 3600. SELECTED TOPICS IN SPEECH COMMUNICATION.** (4 cr; repeatable when topic changes; prereq 1100 or 1101; offered when feasible)
Topics in communication and rhetorical theory or practice; e.g., American Indian orators, American women orators, nonverbal communication, and barriers in communication. Topics announced in advance.
- 3910f,w,s. DIRECTED EXPERIENCE IN TEACHING SPEECH COMMUNICATION.** (1-5 cr; repeatable to 10 cr; prereq #)
Practice as laboratory facilitators in the introductory-level speech courses; weekly seminar sessions focus on method, planning, and problems in speech communication instruction.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)

Theatre Arts (Th)

OBJECTIVES

The purpose of the theatre arts curriculum is to provide sound academic training in theatre arts for undergraduate liberal arts students, for those wishing to pursue graduate studies in the field, or for those preparing to teach. The curriculum is designed to help students develop an appreciation for and ability to produce high-quality theatre. The UMM Theatre productions are correlated with classroom work to provide opportunities for student participation in all areas of the theatre arts.

REQUIREMENTS FOR A MAJOR

Th 1500¹, 1700, 1810, 3500, 3600, 3700, 3790, 3800; 13 credits from 3150, 3501, 3520, 3601, 3701, 3801, 3802; and at least 4 credits in dramatic literature. In addition, the student is expected to participate in theatre productions and related activities.

REQUIREMENTS FOR A MINOR

Th 1500¹, 1700, 1810; and at least 12 additional credits in theatre arts courses numbered 3000 or above. In addition, the student is expected to participate in theatre productions and related activities.

REQUIREMENTS FOR TEACHER PREPARATION WITH A THEATRE ARTS MAJOR

Major:

Major in theatre arts; Th 3750; Spch 1400; and required professional education courses including methods (SThE 3940) and student teaching in theatre arts.

Minor:

Th 1500¹, 1700, 1810, 3500, 3600, 3700, 3750, 3800; Spch 1400; and required professional education courses including methods (SThE 3940) and student teaching in theatre arts.

REQUIREMENTS FOR TEACHER PREPARATION WITH A SPEECH-THEATRE MAJOR

Th 1500¹, 1700, 1810, 3600, 3700, 3750, 3800; Spch 1100 or 1101, 1400, 3200, 3300, either 3400 or 3410; participation in at least two kinds of speech or theatre activities; and required professional education courses including methods (SThE 3940) and student teaching in theatre arts and speech communication.

COURSE DESCRIPTIONS

1500f. INTRODUCTION TO THE THEATRE ARTS. (4 cr)

Introduction to the history and theories of plays, playwrights, scenic artists, and architects.

1700w. FUNDAMENTALS OF ACTING. (5 cr; prereq 1500 or #: lab fee required)

The creative approach to characterization with emphasis on the development and use of the imagination, sensitivity, and insight to communicate credible patterns of expression. Theory and practice in the use of makeup as an aid in the creation of characters from dramatic literature; theory and effect of light and color relative to stage makeup.

1790f,w.s. THEATRE PERFORMANCE. (1 cr; repeatable to 6 cr; prereq #)

Active participation in some aspect of theatre production followed by an analysis and critique of the experience.

1810w. STAGECRAFT. (4 cr)

Basic forms of stage scenery and their functions in the theatre, functions and elements of design, and principles of composition. Theory and practice in the construction, painting, and shifting of stage scenery.

3100f,w.s. CONTINUING SEMINAR. (No cr; prereq #)

A seminar for all majors and minors in theatre arts dealing with central concerns of the various areas of study. Open to freshmen and sophomores who are considering a theatre arts major as well as to juniors and seniors.

¹Prospective theatre majors who have completed an introductory theatre course in high school may be exempted from this requirement on consultation with the course instructor.

- 3150. SELECTED TOPICS IN THEATRE ARTS.** (1-5 cr; repeatable when topic changes; prereq #; offered when feasible)
Varying topics relating to theatre that are not ordinarily included in other theatre arts courses.
- 3500f. THEATRE HISTORY I.** (5 cr; not offered 1977-78)
Development of the theatrical arts from the beginnings to the 18th century (classical to neoclassical); plays, playwrights, and physical theatre.
- 3501s. THEATRE HISTORY II.** (5 cr; not offered 1977-78)
Development of the theatrical arts from the 18th century to the present; plays, playwrights, and physical theatre.
- 3520f. NON-WESTERN THEATRE AND DRAMA.** (4 cr; not offered 1978-79)
Theatre and drama of non-Western cultures, particularly that of the Orient.
- 3600f. STAGE DIRECTION I.** (4 cr; prereq 1700, 1810)
Fundamental theories of stage direction; study and practice in stage direction and play selection; an introduction to the work of the director as an artist, teacher, and executive.
- 3601w. STAGE DIRECTION II.** (4 cr; prereq 1700, 1810)
Modern theories of stage direction; problems of stage direction in contemporary theatre for proscenium, thrust, and arena productions.
- 3603s. CREATIVE DRAMA WITH CHILDREN.** (3 cr; prereq 1500 or elementary education major or #)
The use of informal drama in the classroom. Demonstrations, observations, and presentations.
- 3700f. INTERMEDIATE ACTING.** (4 cr; prereq 1700; lab fee required; not offered 1978-79)
Concepts for analyzing and motivating the character within the boundaries of the script. Application of the creative theory to a variety of roles.
- 3701s. ADVANCED ACTING.** (4 cr; prereq 3700; not offered 1978-79)
Methods of preparation and styles and techniques of the actor's art suitable to plays from representative periods in theatrical history: Greek and Roman, Elizabethan, neoclassical, modern.
- 3750s. ORAL INTERPRETATION.** (5 cr; prereq Spch 1100 or 1101)
The oral tradition of literature; history and development of oral interpretation. Directed practice in the reading of prose, poetry, and drama.
- 3790w. READER'S THEATRE.** (4 cr; prereq 3750 or #; not offered 1977-78)
Theory and concepts of the presentation of dramatic and nondramatic literature by a group through the use of visual and oral suggestion. The preparation and production of choral readings, reader's theatre and chamber theatre. The dramatistic approach to the oral interpretation of literature.
- 3800s. SCENIC DESIGN.** (4 cr; prereq 1810)
The design of scenery as an expressive environment for the stage play. A study of various styles of historical and contemporary stage production and theatre architecture through the writings and designs of such artists and theorists as Appia, Craig, Meyerhold, Jones, and Simonson. Problems in the coordination of design and its execution in the interpretation of dramatic literature for a variety of staging techniques.
- 3801f. STAGE LIGHTING.** (4 cr; prereq 1810; not offered 1977-78)
History and development of lighting for the stage. Theory and concepts of lighting as a visual art and its function in the theatre. Lighting design as a creative process and practical solution of lighting design problems. Lighting equipment and its use.
- 3802f. STAGE COSTUMING.** (4 cr; prereq 1810; not offered 1978-79)
History and development of stage costume. Theory and concepts of stage costuming as a visual art and its function in the theatre. Costume design as a creative process. Practical demonstrations of knowledge of design, history, and functions of stage costume.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)

Division of the Social Sciences

ANTHROPOLOGY (Anth)

OBJECTIVES

The course offerings in anthropology are designed to provide an understanding of human beings and human society with reference to both biology and culture. The

Courses of Instruction

student will be confronted with a broad historical and comparative framework within which to view the variety of human cultures. A survey of concepts, techniques, and substantive knowledge of the various branches of the field is offered; e.g., physical anthropology, ethnology, social anthropology, archaeology, and linguistics. (See Sociology for further information.)

COURSE DESCRIPTIONS

Note—Anth 3405 and 3480 may also be taken for credit in sociology.

- 1100f. INTRODUCTION TO PHYSICAL ANTHROPOLOGY.** (5 cr)
Prehistoric human life and culture. Origins of human life and development of modern "races." Growth and differentiation of cultures from the Stone Age to the dawn of civilization in the Bronze and Iron Ages with emphasis on the development of new world civilizations.
- 1110w. INTRODUCTION TO CULTURAL ANTHROPOLOGY.** (5 cr)
The varieties and range of human behavior as revealed through the comparative study of cultures throughout the world. Concepts developed by anthropologists to explain both the unity and diversity of humankind.
- 3380f. CULTURAL CHANGE.** (5 cr; repeatable with #; prereq 1110 or Soc 1100)
Theories and case studies of sociocultural change. Comparison of changes in different types of cultures in various parts of the world.
- 3405s. ETHNIC STRATIFICATION.** (5 cr; prereq 1110 or Soc 1100)
(Same as Soc 3405) A comparative study of ethnic stratification systems. Theories and empirical studies concerned with prejudice and discrimination and the American experience in these matters. Usually focuses on Native American, black, and Chicano experiences
- 3480f. THE INDIVIDUAL AND THE SOCIOCULTURAL MILIEU.** (5 cr; repeatable with #; prereq 10 cr in anthropology, sociology, or psychology)
(Same as Soc 3480) A delimited topic in culture and personality, social structure and personality, cognitive anthropology, or cultural linguistics. Specific topics such as behavior in illness, acculturation, or the effects of extreme social situations on a person may be dealt with for the whole quarter. Analysis of different aspects of the relationship of a person to his or her society. Topics vary.
- 3520f. THE ANTHROPOLOGY OF RELIGION.** (5 cr; prereq 1110 and 5 addtl cr in anthropology or sociology; not offered 1978-79)
A comparative study of religion in various parts of the world. Theories and concepts developed by anthropologists in dealing with religious phenomena in a cross-cultural perspective.
- 3550w. COMPARATIVE INSTITUTIONS.** (5 cr; prereq 1110 and 5 addtl cr in anthropology or sociology; not offered 1977-78)
An in-depth, cross-cultural analysis of social institutions. The institutions examined may vary; e.g., political, legal, kinship, economic.
- 3620s. AREA STUDIES.** (5 cr; repeatable with #; prereq 1110 or Soc 1100)
An in-depth study of the ethnography (including values, religion, politics, economic institutions, and kinship structure) of a particular part of the world. The area of concentration may vary.
- 3800s. SEMINAR IN ANTHROPOLOGY.** (5 cr; repeatable with #; prereq 1110 and 5 addtl cr in anthropology or #; not offered 1977-78)
Advanced topics pertaining to methodological and theoretical developments in anthropology.
- 3810s. ANTHROPOLOGICAL THEORY.** (5 cr; prereq 1110 and 5 addtl cr in anthropology or #; not offered 1978-79)
A survey of the development and major kinds of anthropological theory. Particular theoretical orientations may be emphasized.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
Research, field, or cultural experiences.

BUSINESS ECONOMICS (BuEc)

OBJECTIVES

The purpose of the business economics curriculum is to provide liberal arts students with an opportunity to explore and familiarize themselves with some of the

concepts and tools commonly used in the daily operations of a business enterprise. Some students may wish to complete business economics courses to apply to a pre-business administration program. Others may wish to use these courses to supplement their program for the bachelor of arts degree at UMM. Students should be aware that graduate training is desirable to prepare for certain occupational objectives.

Those electing a business economics minor should study broadly and in some depth subjects in the arts, humanities, sciences, and social sciences. Students should consult members of the faculty before beginning the minor in order to determine desirable levels of proficiency in mathematics.

REQUIREMENTS FOR A MINOR

BuEc 1210, 1215, 3220; Econ 1110, 1115; CSci 1110, CSci 3100 or 3110; and two courses from the following: quantitative analysis—Econ 3311, 3400 and Math 1120; finance—BuEc 3200, 3205 and Econ 3105; business economics—BuEc 3215, 3600; general courses—BuEc 3210, 3230, 3250. Students planning to pursue an M.B.A. degree should take the following courses in addition to the business economics core: BuEc 3200, 3215, 3230 and Math 1120, 1140.

COURSE DESCRIPTIONS

1210f, w. PRINCIPLES OF ACCOUNTING I. (5 cr)

Basic financial accounting concepts and preparation of major financial statements by accountants.

1215w. PRINCIPLES OF ACCOUNTING II. (5 cr; prereq 1210)

An introduction to development, presentation, and interpretation of accounting data to aid management in planning and controlling operations as well as the investor in decision making.

3200f. FINANCIAL MANAGEMENT. (5 cr; prereq 1215, Econ 1115, and Math 1140, Math 3600 or #)

An introduction to financial analysis, theory, and practice including leverage, capital budgeting, cost of capital, dividend policy, capital market theory, and working capital management.

3205w. INVESTMENT FUNDAMENTALS. (5 cr; prereq 3200 or #)

The economic and investment environment as it relates to security investment decisions; appraisal of investment characteristics; introductory investment analysis of various stocks and bonds. Determination of investment objectives and execution of portfolio policies for various types of individual and institutional investors.

3210s. ACCOUNTING THEORY AND PRACTICE. (5 cr; prereq 1215)

Basic accounting principles and postulates and their effectiveness in serving as underlying assumptions of accounting. Intensive analysis of the theory of income determination. Asset and liability valuation theories. Development of cash and working capital forecasts.

3215s. MANAGERIAL ECONOMICS. (5 cr; prereq 1215, Econ 1110, Econ 1115, and Math 1140, Math 3600 or #; not offered 1977-78)

An analysis of economic concepts as related to the operation of individual business units; approaches to management decision making and planning through formulation of problems in a manner conceptually capable of numerical solution. Integration of economic principles with various areas of business administration.

3220s. MANAGEMENT AND ORGANIZATION THEORY. (5 cr; prereq 1215, Econ 1115, and Math 3600 or #)

An evolving study of concepts, theory, research, and operational problems. Principal functional areas of management. Factors and relationships necessary to achieve organizational objectives. Establishment of goals, policies, procedures; the planning process; control systems; organizational structure and behavior; leadership.

3230w. PRINCIPLES OF MARKETING. (5 cr; prereq 1215, Econ 1115, and Math 3600 or #)

Basic factors affecting policy and strategy issues in marketing. Economic, legal, behavioral, environmental, ethical, competitive, and technological factors as they affect product, pricing, promotion, and marketing-channel decisions.

3250s. BUSINESS AND SOCIETY. (5 cr; prereq 1215, Econ 1110, and Econ 1115 or #; not offered 1978-79)

The relationships between business and its social, legal, political, economic, and physical environments. Focuses on conflicts and conflict resolution, questions of social balance, the public interest, business ethics, and the alternative futures facing the business enterprise.

Courses of Instruction

3600s. BUSINESS ECONOMIC CONDITIONS ANALYSIS. (5 cr; prereq Econ 3105, Econ 3110, and Econ 3400 or #)

(Same as Econ 3600) An in-depth study of the social accounting system as a basis of business economic conditions analysis; aggregate economic theory as the basic tool for analyzing business economic conditions; the performance of the American economy; and forecasting short-run business economic conditions.

3950f, 3951w, 3952s. DIRECTED STUDY. (1-5 cr per qtr; prereq #)

ECONOMICS (Econ)

OBJECTIVES

The curriculum in economics is designed to provide the liberal arts student with a basic understanding of the nature and functioning of the economic system, to define criteria for assessing efficiency in the provision of goods and services, to investigate and assess the operation of economic institutions, and to evaluate alternative techniques intended to increase economic efficiency and equity.

While not oriented toward providing students with vocational skills, the discipline does emphasize the operation of the economic environment and therefore would be useful to students contemplating careers in business, government, or teaching. Students majoring in economics are encouraged to complete a broad range of courses and participate in related academic experiences and to work closely with the economics faculty adviser to plan a program suited to their needs and interests. Students should be aware that many careers require graduate training.

REQUIREMENTS FOR A MAJOR

Econ 1110, 1115, 3100, 3110, 3400; Math 1140 and 3600 or their equivalents; and 20 additional credits in economics courses numbered 3000 or above.

Note—BuEc 3200 and BuEc 3215 may be used in fulfillment of the major requirements. Students should complete Econ 1110, 1115 and Math 1140, 3600 during the first 2 years of the major program. Students who lack a strong high school mathematics background should begin with Math 1110 or a lower level course before enrolling in the required courses.

Graduate School Orientation in Economics: Students contemplating graduate work in economics or careers as professional economists in business, government, or college teaching are advised to take: Econ 3105, 3120; Math 1120 (or 3300), Math 1201-1202-1203, 3202; CSci 1110, either CSci 3100 or 3110; and Engl 3110. This track emphasizes quantitative tools, social science training, and writing skills.

REQUIREMENTS FOR A MINOR

Econ 1110, 1115, 3100, 3110; Math 1140, 3600; and 10 additional credits in economics courses numbered 3000 or above.

REQUIREMENTS FOR TEACHER PREPARATION

Students seeking teacher licensure in any of the social sciences must complete a social science major. Economics majors seeking teacher licensure must also complete a social science major and the required professional education courses including methods (SScE 3940) and student teaching in social studies.

COURSE DESCRIPTIONS

1100w.s. INTRODUCTION TO ECONOMICS. (5 cr)

A brief survey of the development of economic ideas; the structure and functioning of an economic system; fundamental principles governing the behavior of individual economic units and the workings of

the economy; and economic policies for stabilization and growth. Designed for a noneconomics major or a beginning economics student who wants an overview of the field before enrolling in Econ 1110.

- 1110f,w. PRINCIPLES OF ECONOMICS: MACRO.** (5 cr; prereq high school algebra)
An introduction to basic economic problems, concepts, and theoretical models with emphasis on the mixed capitalist enterprise system. National income accounting; recession and unemployment; inflation. Keynesian macroeconomic theory. Fiscal and monetary policy.
- 1115w,s. PRINCIPLES OF ECONOMICS: MICRO.** (5 cr; prereq high school algebra)
An introduction to economic analysis with emphasis on supply and demand, theory of the firm, pricing factors of production, international trade, and current economic problems.
- 1950f,w,s. SEMINAR FOR SOCIAL SCIENCE MAJORS.** (No cr)
Familiarization with the various journals, periodicals, and sources of statistical information that deal with current developments in economics.
- 3100f. MICROECONOMIC THEORY.** (5 cr; prereq 1110, 1115, and Math 1140 or #)
An individual approach to decision making by individual economic units under conditions of competition, monopoly, and monopolistic competition; the resulting allocation of resources among competing uses and the division of total output among industries, products, and firms; the role of government in influencing and regulating business decisions.
- 3105f. MONEY AND BANKING.** (5 cr; prereq 1110, 1115)
The nature and function of money; the role of commercial banks and other financial institutions; the structure and function of the Federal Reserve system; monetary policies for stabilization and growth; and a survey and synthesis of major theories on the value of money.
- 3110w. MACROECONOMIC THEORY.** (5 cr; prereq 1110, 1115)
Elements of social accounting systems and national income accounting; a critical study of the Keynesian employment and income theory; and a brief survey of major macroeconomic theories.
- 3115f. PUBLIC FINANCE.** (5 cr; prereq 1110, 1115; not offered 1977-78)
An analysis of the economics of public expenditures and taxation including the administration of public funds, intergovernmental fiscal relations, public borrowing, debt management and fiscal policy, distribution of tax burden, incidence of taxes, and the tax system and the major taxes.
- 3120s. HISTORY OF ECONOMIC THOUGHT.** (5 cr; prereq 1110, 1115, and #; not offered 1977-78)
The origin and development of economic thought from the ancient Greeks to the present, concentrating primarily on the contributions of major economists associated with the classical, Austrian, and neoclassical schools of thought.
- 3125s. LABOR ECONOMICS.** (5 cr; prereq 1110, 1115)
A survey of trade unionism—history, philosophy, objectives, and government and labor legislation; collective bargaining—procedures and tactics, issues involved, and adjustment of disputes; economics of the labor market—employment and unemployment, wage determination, and standards of living.
- 3135w. INTERNATIONAL ECONOMICS.** (5 cr; prereq 1110, 1115)
The economic basis for gain in international trade; historical development of theory and policy; population and capital movements; exchange-rate policies; tariffs; international balance of payments; foreign aid and investment policies; and the Common Market.
- 3140s. ECONOMIC DEVELOPMENT AND GROWTH.** (5 cr; prereq 1110, 1115; not offered 1978-79)
A survey of major theories of economic growth and of economic and social change. Case studies drawn from historical and contemporary experiences of the United States, Eastern and Western Europe, and currently less developed countries. Questions concerning future growth of industrial countries.
- 3145f. COMPARATIVE ECONOMIC SYSTEMS.** (5 cr; prereq 1110, 1115; not offered 1978-79)
A comparison of the theory and functioning of the major economic systems of the world; the market economy and the centrally planned economy. The U.S. economy relative to its future form and structure.
- 3311f. DECISION THEORY.** (5 cr; prereq Math 3600 or Math 3610 and one psychology course)
(Same as Psy 3311) Decision and choice under conditions of uncertainty, viewed both as a problem in psychology and in economics. Decision "tree" analysis and maximization of expected value. Utility, objective vs. subjective probability, people viewed as intuitive statisticians, judgmental vs. actuarial prediction, relation to the psychology of perception and learning.
- 3360w. SOCIAL DEVELOPMENT.** (5 cr; prereq 1110, Anth 1110 or Soc 1100; not offered 1978-79)
(Same as Soc 3360) Sociological and anthropological approach to understanding the problems and issues involved in social and economic development. Emphasis on the Third World but comparison with other systems. Students offering this as an economics course are strongly urged to take it in conjunction with Econ 3140.
- 3400w. INTRODUCTION TO ECONOMETRICS.** (5 cr; prereq 1110, 1115, Math 1140, Math 3600 or equiv. or #)
The design of empirical models in economics. Simple and multiple regression, correlation, simultaneous equation bias, two-stage least squares, limited information estimation, and more complex methods. Emphasis on application of techniques to economic problems.

Courses of Instruction

3600s. BUSINESS ECONOMIC CONDITIONS ANALYSIS. (5 cr; prereq 3105, 3110, and 3400 or #)
(Same as BuEc 3600) An in-depth study of the social accounting system as a basis of business economic conditions analysis; aggregate economic theory as the basic tool for analyzing business economic conditions; the performance of the American economy; and forecasting short-run business economic conditions.

3950f, 3951w, 3952s. DIRECTED STUDY. (1-5 cr per qtr; prereq #)

GEOGRAPHY (Geog)

OBJECTIVES

The courses in geography focus on basic concepts of the field and deal with both societal relationships and the physical environment. The courses are designed for general education purposes. Problems in Geography (Geog 1000) is required for students seeking secondary school teacher licensure in the social sciences.

COURSE DESCRIPTIONS

1000s. PROBLEMS IN GEOGRAPHY. (5 cr)
Basic concepts and fundamental questions of geography. The terminology of geography; some modern trends in geography; interpretation of geographical data; select problems of human, physical, economic, and cultural geography. Required for students seeking secondary school teacher licensure in the social sciences.

3400s. EARTH PROCESSES I—LANDFORM DEVELOPMENT. (5 cr; prereq Geol 1100; 3 hrs lect, 4 hrs lab and field trips; lab fee required)
(Same as Geol 3400) Introduction to geomorphology and environmental geology; processes at work at the earth's surface; the resulting landforms and products; interrelationships between human activities and geomorphic processes; laboratory study of aerial photographs, topographic and surficial geology; evaluation of local geomorphic processes.

HISTORY (Hist)

OBJECTIVES

The curriculum in history is designed to introduce the student to the study of the human social past, including transitions of human ideas and institutions. The student is expected to critically evaluate historical interpretations of previous and contemporary scholars. An understanding of history is indispensable for the individual to comprehend his or her role in the contemporary world as a member of society.

The curriculum emphasizes the role of the student as an active learner and encourages individualized learning experiences including those external to established course work and development of close working relationships between students and faculty members.

REQUIREMENTS FOR A MAJOR

A demonstrated familiarity with a range of historical periods and cultures sufficiently broad to allow meaningful exploration of "alternative communities" in time and space and to develop an empathy with alternative solutions to life's problems.

A demonstrated ability to critically analyze, interpret, and synthesize various types of historical materials. These materials need not be limited to written documents.

A demonstrated awareness of how a knowledge of history relates to one's own quest for personal and intellectual growth and how the quest of one's own society and

other societies for historical truth relates to that society's search for meaningful solutions.

A demonstrated ability to initiate and develop one's own course of historical inquiry. Hist 3400 and 40 additional credits in history courses, to include a minimum of 20 credits in courses selected by the student. Majors should take Hist 3400 in their sophomore year.

The student must submit a file of materials to present evidence of meeting the first four requirements stated above. The file need not be limited to materials produced in history courses.

1. The student will select the materials to be placed in the file, and the file will be available only to the student, the history faculty, and any persons designated by the student. The materials, as well as comments by faculty members who have evaluated them, are to be placed in the file as they are completed.
2. The file need not be limited to written materials but may include, for example, multimedia presentation materials, tape recordings of oral presentations, research papers, book reviews, essays, project reports, and similar work.
3. The file must include a description of the plan of study developed after the declaration of history as the major and a description of the student's progress in the major. The student will be responsible for developing his or her own plan of study in conjunction with an adviser from the history faculty. Together they will periodically assess the student's progress.
4. In the year prior to graduation, the student and the adviser will assess progress toward the major and, consulting with the remainder of the history faculty, will determine what work remains to be completed for the major.

REQUIREMENTS FOR TEACHER PREPARATION

Students seeking teacher licensure in any of the social sciences must complete a social science major. History majors seeking teacher licensure must also complete a social science major and the required professional education courses including methods (SScE 3940) and student teaching in social studies. Students should take Hist 3400 in their sophomore year and also gain some exposure to the subject of minority groups.

COURSE DESCRIPTIONS

- 1100f. INTRODUCTION TO MODERN EUROPEAN HISTORY.** (5 cr)
Methods, themes, and problems in the study of European history from the end of the Middle Ages to the present.
- 1200f. INTRODUCTION TO UNITED STATES HISTORY.** (5 cr)
Methods, themes, and problems in the study of the history of the United States.
- 1301f. INTRODUCTION TO TRADITIONAL ASIAN CIVILIZATION.** (5 cr)
The history of major civilizations of Asia from ancient times to 1800.
- 1311s. INTRODUCTION TO THE HISTORY OF MODERN ASIA.** (5 cr)
Modern Asian history with emphasis on the themes of Asian reaction to Western impact and the rise of nationalism.
- 1400f. TOPICS IN THE HISTORY OF WOMEN.** (5 cr; repeatable with #)
Selected topics such as the history of women in Western civilization, the history of feminist ideology, or the history of sex role socialization in the United States.
- 1500f.w.s. EXERCISES IN HISTORIOGRAPHY.** (1 cr; S-NR grading only)
Current developments in historical scholarship and the changing nature of history as a field of study. Use of historical journals and abstracts stressed. Required of social science majors.

Courses of Instruction

- 3100s. INTRODUCTION TO ANCIENT AND MEDIEVAL HISTORY.** (5 cr; not offered 1978-79)
Methods, themes, and problems in the study of the history of ancient Greece, ancient Rome, and Europe in the Middle Ages.
- 3121s. TOPICS IN EUROPEAN HISTORY I.** (5 cr; repeatable with #; not offered 1977-78)
Topics in the political, social, intellectual, or economic history of Europe from the end of the Middle Ages to 1750. Possible topics include the Renaissance, the Reformation, and royal absolutism.
- 3151w. TOPICS IN EUROPEAN HISTORY II.** (5 cr; repeatable with #; not offered 1977-78)
Topics in the political, social, intellectual, or economic history of Europe from 1750 to the present. Possible topics include World War I, the fascist era, and Caesarian democracy.
- 3161w. TOPICS IN EUROPEAN NATIONAL HISTORY.** (5 cr; repeatable with #)
Topics in the political, social, intellectual, or economic history of selected European nations. Possible topics include the English civil war, modern Britain, modern France, and the Soviet Union.
- 3200f. TOPICS IN UNITED STATES HISTORY, THE 17TH AND 18TH CENTURIES.** (5 cr; repeatable with #)
Examination of a selected topic in United States history during the 17th and 18th centuries. Possible topics include the colonial experience, Puritanism, the American enlightenment, and the American Revolution.
- 3210w. TOPICS IN UNITED STATES HISTORY, THE 19TH CENTURY.** (5 cr; repeatable with #)
Examination of a selected topic in United States history during the 19th century. Possible topics include the South, the industrial revolution in America, the Civil War and Reconstruction, and manifest destiny.
- 3220s. TOPICS IN UNITED STATES HISTORY, THE 20TH CENTURY.** (5 cr; repeatable with #)
Examination of a selected topic in United States history during the 20th century. Possible topics include progressivism, the Great Depression, the growth of the labor movement, and the cold war.
- 3241w. TOPICAL THEMES IN UNITED STATES HISTORY.** (5 cr; repeatable with #)
Examination of a selected theme in United States history. Possible themes include racism, revolution, warfare and society, nationalism, the Afro-American experience, social reform and social repression, and imperialism.
- 3321s. TOPICS IN MODERN ASIAN HISTORY.** (5 cr; repeatable with #)
Examination of a selected topic in the political, social, intellectual, or economic history of modern Asia.
- 3331w. TOPICS IN ASIAN NATIONAL HISTORY.** (5 cr; repeatable with #)
Topics in the history of selected Asian nations.
- 3400s. HISTORICAL RESEARCH.** (5 cr)
An introduction to methods of historical research and writing, emphasizing the use of local primary sources. History majors are urged to take Hist 3400 in their sophomore year.
- 3440. TOPICS IN HISTORY.** (1-5 cr; repeatable with #; offered when feasible)
The study of an historical topic that transcends the traditional chronological or geographical categories. Possible topics include the history of historical writing, history of science, and history of Christianity.
- 3450s. TOPICS IN COMPARATIVE HISTORY.** (5 cr; repeatable with #; not offered 1978-79)
Examination of a selected topic in the history of two or more cultural areas. Readings, research, and discussion.
- 3500f. INTRODUCTION TO TRADITIONAL LATIN-AMERICAN CIVILIZATION.** (5 cr; not offered 1977-78)
The conservative society. Themes in agrarian, prenationalist, and traditional Latin-American culture and society.
- 3501s. INTRODUCTION TO MODERN LATIN-AMERICAN CIVILIZATION.** (5 cr)
Whither Latin America? Themes in the emergence of industrial, nationalist, and modern Latin-American culture and society.
- 3511w. TOPICS IN LATIN-AMERICAN SOCIETY AND POLITY.** (5 cr; repeatable with #)
The diurnal round and politics as usual. Examination of a selected topic in the polity and society of Latin America.
- 3521f. TOPICS IN COMPARATIVE LATIN-AMERICAN HISTORY.** (5 cr; repeatable with #)
Or, "They all look alike to me." Comparative examination of a selected topic in the history of two or more Latin-American cultural areas.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
An opportunity to study analytically a limited topic in history. The topic will be determined by the individual student and the instructor.

POLITICAL SCIENCE (Pol)

OBJECTIVES

The political science curriculum is designed to help students become informed, active, and responsible citizens and to prepare majors for careers in the fields of professional activity associated with political science. Three areas of concentration are offered: American government and politics; international relations and comparative government; and political theory.

REQUIREMENTS FOR A MAJOR

Pol 1100, 1200, 1400; and 30 additional credits in political science courses numbered 3000 or above.

The student concentrating in American government and politics should take at least 15 credits from Pol 3210, 3211, 3220, 3221, 3240, 3250, 3260; and a minimum of one course numbered 3000 or above in each of the following fields: (a) international relations and comparative government and (b) political theory.

The student concentrating in international relations and comparative government should take at least 15 credits from Pol 3410, 3411, 3420, 3421, 3431, 3432, 3510, 3530; and a minimum of one course numbered 3000 or above in each of the following fields: (a) American government and politics and (b) political theory.

The student concentrating in political theory should take at least 15 credits from Pol 3310, 3320, 3330, 3340; and a minimum of one course numbered 3000 or above in each of the following fields: (a) American government and politics and (b) international relations and comparative government.

The student intending to pursue graduate training is advised to take Math 3600 in addition to the regular requirements for a political science major. Math 3600 is strongly recommended for majors whose area of concentration is either American government and politics or international relations and comparative government.

REQUIREMENTS FOR A MINOR

Pol 1100, 1200, 1400; and 15 credits in political science courses numbered 3000 or above.

REQUIREMENTS FOR TEACHER PREPARATION

Students seeking teacher licensure in any of the social sciences must complete a social science major. Political science majors seeking teacher licensure must also complete a social science major and the required professional education courses including methods (SScE 3940) and student teaching in social studies.

COURSE DESCRIPTIONS

1000f. POLITICS AND YOU. (5 cr)

Introduction to the current state and concerns of political science. Survey of basic issues in political theory, international relations and comparative government, and American government and politics.

1100w. THE STATE IN THE MODERN WORLD. (5 cr)

Introduction to political science. The scope and methods of study of forces and interests in politics, nature of the state and government, forms of government, electoral and party systems in the world, basic concepts of political science. Development, structure, and operation of the modern state with emphasis on nation-state totalitarian government and democratic government.

Courses of Instruction

- 1200f. AMERICAN GOVERNMENT AND POLITICS.** (5 cr)
Analysis of principles, organization, procedures, and powers of government in the United States. The federal system, national constitution, civil and political rights, party system; nature, structure, powers, and procedures of legislative, executive, and judicial departments of the national government.
- 1400s. WORLD POLITICS.** (5 cr)
Introduction to contemporary international politics, nationalism, imperialism, foreign policies of major powers. Elements of national power; forces affecting international relations, international conflicts, and techniques for their solution.
- 3210w. STATE AND LOCAL GOVERNMENT.** (5 cr; prereq 1200 or #; not offered 1977-78)
Analysis of principles, organization, procedures, and functions of state and local government in the United States. The state in the federal system; state constitutions and problems of revision; organization, powers, and functions of the legislative, administrative, and judicial branches of the state government. Municipal politics and administration. State and local relations. The nature and working of politics in Minnesota.
- 3211w. LEGISLATIVE BEHAVIOR.** (5 cr; prereq 1200 or #; not offered 1978-79)
Major behavioral and structural influences in lawmaking by elected bodies. Political forces that affect formation of public policy.
- 3220w. AMERICAN CONSTITUTIONAL SYSTEM.** (5 cr; prereq 1200 or #; not offered 1977-78)
Judicial interpretation of the United States Constitution. Extent and limitations of governmental power, separation of national governmental authority, relation of national and state governments, civil rights and civil liberties of individuals and groups in the system.
- 3221w. COURTS, JUDGES, AND THE LEGAL SYSTEM.** (5 cr; prereq 1200 or #; not offered 1978-79)
Function of courts and behavior of judges in interaction with the individual, groups, and political system at the federal, state, and local levels. Role of judges, lawyers, prosecutors, enforcement officers, the law, and the penal system in dispensation of justice, protection of the rights of the individual, and control of crime.
- 3240s. INTRODUCTION TO PUBLIC ADMINISTRATION.** (5 cr; prereq 1200 or #; not offered 1977-78)
Development of administrative organization; administration and the executive, legislative, and judiciary; principles of organization including line and staff relationships, the staff services of finance and personnel, formal and informal control, behavioral characteristics of bureaucracies.
- 3250s. AMERICAN POLITICAL PARTIES.** (5 cr)
Organization, operation, and development of the American party system. Relations between national, state, and local organizations, state and national committees, the convention system, the primary, campaign methods, financing, public opinion, voting, and elections.
- 3260s. TOPICS IN AMERICAN POLITICS.** (5 cr; repeatable with #; prereq 1200 or #; not offered 1978-79)
Analysis of a contemporary political problem. Possible topics include private power and individual rights; secrecy, security, and accountability; ecopolitics, political leadership, unconventional political movements, conspiracy theories.
- 3310f. CONTEMPORARY POLITICAL IDEOLOGIES.** (5 cr; prereq #)
Major currents of political theory from Marx to present: Marxism, socialism, syndicalism, anarchism, fascism, political ideologies of antidemocratic thought, and totalitarian regimes.
- 3320w. DEVELOPMENT OF POLITICAL THOUGHT: ANCIENT AND MIDDLE AGES.** (5 cr; prereq #)
A survey of classical Greek thought, Plato and Aristotle, primitive natural law, Cynics and Stoics, theory in Roman Republic and Empire, early Christianity and the church fathers, moral theory and political theory, empire and church in ideology, Roman and canon law, St. Thomas, political thought in the 14th and 15th centuries.
- 3330s. DEVELOPMENT OF POLITICAL THOUGHT: MODERN.** (5 cr; prereq #)
Machiavelli, theories during the Renaissance, Reformation, and the Counter-Reformation. Early modern absolutism, the emergence of modern contract theory, constitutionalism, liberalism, and utopianism.
- 3340s. AMERICAN POLITICAL THOUGHT.** (5 cr; prereq #)
The development of the American political tradition from the Puritan theocracy to recent phases of American political life.
- 3410w. UNITED STATES FOREIGN POLICY.** (5 cr; prereq 1200; not offered 1977-78)
An analysis of the institutions and processes of American foreign policy. The objectives and commitments of the United States in the world and their political, economic, and military implications since 1945.
- 3411w. DIPLOMACY.** (5 cr; prereq 1400; not offered 1978-79)
The origins and evolution of diplomacy; the theory and practice of diplomacy; the diplomatic corps and protocol; and the role of diplomacy in contemporary international affairs with emphasis on the diplomatic practices of the major powers.
- 3420s. INTERNATIONAL LAW.** (5 cr; prereq #; not offered 1977-78)
Relations of international law to individuals, states, the international community, jurisdictional problems, survey of principles developed by diplomatic agents and consuls, treaties, arbitration, treatment of aliens, pacific settlement. War and hostile measures short of war, military occupation, war crimes, neutrality, collective security sanctions.

- 3421s. THE POLITICS OF PEACE.** (5 cr; prereq #; not offered 1977-78)
 Study of international relations from the new frame of reference of an international system in which war is no longer acceptable as a means to achieve political or national objectives. The feasibility of world peace, through disarmament, through international organization, and through world government.
- 3431w. INTERNATIONAL RELATIONS.** (5 cr; prereq 1400 or #; not offered 1977-78)
 The theory and practice of contemporary international relations based upon the nation-state system. The concepts of the struggle for power, national interest, balance of power, war, peace, and alliances analyzed from the point of view of conflict resolution.
- 3432w. INTERNATIONAL ORGANIZATIONS.** (5 cr; prereq 1400 or #; not offered 1978-79)
 The history of the idea of international organization from the earliest sources up to the League of Nations and the United Nations organizations. Detailed analysis of the political and administrative structure of the League of Nations and the United Nations systems. The relationship of the United Nations and general peace keeping analyzed through various case studies. The relevance of international organization for the establishment and maintenance of world peace.
- 3510f. GOVERNMENTS AND POLITICS OF ASIA.** (5 cr; prereq #; not offered 1977-78)
 A comparative analysis of the governments and politics of China, Japan, and India. Their international relations and foreign policies; traditional as well as contemporary forms of political behavior, nationalism and communism as political forces.
- 3530f. GOVERNMENTS AND POLITICS OF EUROPE.** (5 cr; prereq #; not offered 1978-79)
 An analysis of the major governmental systems of Europe: evolution, structure, and functioning of the political institutions of Great Britain, Soviet Union, France, and West Germany.
- 3800f, 3801w, 3802s. FIELD STUDY IN POLITICAL SCIENCE.** (1-15 cr per qtr; max of 5 cr to apply to the major or minor; prereq #; offered when feasible)
 Field study of governmental organization; internship with legislature, a state or local administrative office, lobbying group, or other position involving direct experience with government, governmental officials, or political organizations and environment.
- 3890f, 3891w, 3892s. SEMINAR IN POLITICAL SCIENCE.** (1-5 cr per qtr; prereq #)
 An advanced course for social science majors. Emphasizes the attainment of competency to critically analyze, interpret, and synthesize in an integrated fashion any major concept, proposition, and topic dealt with in Pol 3220, 3251, 3310, 3340, 3431, and 3432. A student wishing to enroll in these courses must consult beforehand with the appropriate instructor.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
 Individual research topics; normally restricted to political science majors.

PSYCHOLOGY (Psy)

OBJECTIVES

The curriculum in psychology is designed to provide an understanding of the application of the scientific method to the problems of the behavioral sciences and of individual and social human behavior. The curriculum meets the needs of liberal arts students as well as students planning to specialize in one of the fields of psychology at the graduate level.

REQUIREMENTS FOR A MAJOR

Psy 1100, 1110, 1200; 5 credits of Psy 3200, 3210, 3211, 3310, or 3320; either Math 3600 or 3610; and 30 additional credits in psychology courses numbered 3000 or above, including the completion of an approved project (e.g., an empirical research project, supervised teaching of psychology) for 5 credits. Usually the project is completed in one of the tutorial courses (Psy 3202, 3420, 3520, 3540).

Students who plan to pursue graduate study in psychology or teach psychology at the secondary level are advised to take Psy 3202, 3400, 3525, 3600 (5 cr), 3615; one course selected from 3200, 3310, 3320; one course selected from 3210, 3211, 3311, 3410, 3500, 3501, 3502; and one course selected from 3420, 3520, 3540.

REQUIREMENTS FOR TEACHER PREPARATION

Students seeking teacher licensure in any of the social sciences must complete a social science major. Psychology majors seeking teacher licensure must also complete a social science major and the required professional education courses including methods (SScE 3940) and student teaching in social studies.

The following courses are recommended for teacher candidates who are not majoring in psychology but expect to teach an occasional psychology course: Psy 1100, 1110, 3400, 3525, 3615; one course selected from 3200, 3310, 3320; one course selected from 3210, 3211, 3311, 3500, 3501, 3502; and either Math 3600 or 3610.

COURSE DESCRIPTIONS

0100f, w, s. OVERVIEW OF PSYCHOLOGY. (No cr; S-NR grading only)

Recommended for students entering Psy 1100 or 1110 with no previous exposure to psychology.

1100f, w. GENERAL PSYCHOLOGY I. (1-5 cr)

Introduction to the study of behavior. Includes human development, hereditary and environmental influences on individual differences, human motivation, personality, social psychology, and applications of psychology to society.

1110s. GENERAL PSYCHOLOGY II. (5 cr; includes 2 hrs lab; lab fee required)

Introduction to the laboratory study of behavior. Includes the logic of experiments, the nervous system, sensation and perception, motivation, conditioning, and learning.

1200w. RESEARCH METHODS IN PSYCHOLOGY. (5 cr; prereq 1110 or #)

Intermediate-level discussion of the means by which knowledge is acquired in psychology. Emphasis on the design and analysis of experiments and on naturalistic observations. Material drawn from selected areas of experimental psychology and centers on major theoretical issues in each. Students analyze and evaluate experiments and design further research. This course should be taken prior to upper division course work in psychology, especially in the 3200 and 3300 series.

3200f. LEARNING AND MOTIVATION IN ANIMALS AND HUMANS. (5 cr; prereq 1100, 1110, and Math 3600 or 3610 or #Math 3600 or #3610; includes lab; lab fee required)

Major theories of learning and motivation and the facts on which they are based; their importance for understanding animal and human behavior. Includes conditioning, discrimination, simple and complex learning, skill learning, drive, and incentives. Laboratory projects illustrate important research methods and theory testing.

3202f, w, s. TUTORIAL IN EXPERIMENTAL PSYCHOLOGY. (1-5 cr; prereq Math 3600 or Math 3610 and #; lab fee required)

Tutorial laboratory experiment on any topic studied in Psy 3200, 3210, 3211, 3310, 3320, or 3600, including sensation, perception, comparative psychology, physiological psychology, motivation, conditioning, learning, and decision and other cognitive processes.

3210w. COGNITIVE PROCESSES I: SENSATION AND PERCEPTION. (5 cr; prereq 1110; includes lab; lab fee required)

Perception considered mainly from a nonphysiological viewpoint. Psychophysics. Visual, auditory, orienting, and other perceptual experiences.

3211s. COGNITIVE PROCESSES II: MEMORY AND THINKING. (5 cr; prereq 1110; includes lab; lab fee required)

Research and theory in attention, memory, concept formation, problem solving, and thinking.

3310f. COMPARATIVE PSYCHOLOGY. (5 cr; prereq 1110 or Biol 1111 or #; includes lab; lab fee required)

(Same as Biol 3310) Phylogenetic comparison of animal behavior emphasizing mechanism of adaptation. Includes mechanisms of speciation, behavior genetics, evolution and ontogeny of the central nervous system, ethological determinants of behavior and learning.

3311f. DECISION THEORY. (5 cr; prereq Math 3600 or Math 3610 and one psychology course)

(Same as Econ 3311) Decision and choice under conditions of uncertainty, viewed both as a problem in psychology and in economics. Decision "tree" analysis and maximization of expected value. Utility, objective vs. subjective probability, people viewed as intuitive statisticians. Judgmental vs. actuarial prediction, relation to the psychology of perception and learning.

3320w. PHYSIOLOGICAL PSYCHOLOGY. (5 cr; prereq 1110 or Biol 1111 or #; includes lab; lab fee required)

(Same as Biol 3320) Neurological and physiological basis of sensory processes and behavior, including the relation of the reticular formation, limbic system, and neurohormonal system to motivation and emotion. Physiological correlates of learning. Ethological analysis of motivation.

- 3400f. PERSONALITY.** (1-5 cr; prereq 1100 or #)
The nature of personality constructs and theories, human motivation and emotion, anxiety, aggression, affiliation, personal identity, self-direction and self-control, and personal traits and their measurement.
- 3410w. ABNORMAL PSYCHOLOGY.** (1-5 cr; prereq 3400 or #)
Behavior, inner experience, causes, and outcomes of the neuroses and psychoses (especially depression and schizophrenia), psychophysiological disorders, psychopathy, drug and alcohol use, suicide, and similar problems.
- 3420f,w.s. TUTORIAL IN PERSONALITY.** (1-5 cr; prereq #)
Individual reading or empirical research on any topic studied in Psy 3400 or 3410 or on related topics. Objective is attainment of greater depth than is possible in Psy 3400 or 3410.
- 3425s. HUMANISTIC PSYCHOLOGY AND HELPING RELATIONSHIPS.** (1-5 cr; prereq 3400 and 3410 or #; S-NR grading only)
Consideration and critique of humanistic theorists in psychology such as Maslow, Rogers, Frankl, and Perls; states of consciousness, creativity, and the determinants of inner experience; psychological therapy and helping relationships.
- 3500f. DEVELOPMENTAL PSYCHOLOGY I: CHILD PSYCHOLOGY.** (1-5 cr; prereq 1100 or #)
Introduction to theory, data, and research in development from birth to adolescence. Includes prenatal and physical development as well as perceptual, cognitive, personality, and social development. Emphasis on language acquisition and Piaget's theory of cognitive development.
- 3501w. DEVELOPMENTAL PSYCHOLOGY II: ADOLESCENCE.** (1-5 cr; prereq 1100 or #; not offered 1978-79)
Introduction to theory, data, and research in adolescent development with emphasis on physical, cognitive, and social development.
- 3502w. DEVELOPMENTAL PSYCHOLOGY III: ADULTHOOD, AGING, AND DEATH.** (1-5 cr; prereq 1100 or #; not offered 1977-78)
Introduction to theory, data, and research concerning the age group from young adulthood to old age. Emphasis on physical, cognitive, and social changes.
- 3520f,w.s. TUTORIAL IN DEVELOPMENTAL PSYCHOLOGY.** (1-5 cr; prereq 3500 or 3501 or 3502 or #)
Individual reading or empirical research on any topic studied in Psy 3500, 3501, 3502, or related topics. Objective is attainment of greater depth than is possible in Psy 3500, 3501, or 3502.
- 3525w. SOCIAL PSYCHOLOGY.** (1-5 cr)
(Same as Soc 3525) Theories and research in the study of interpersonal behavior. Role, self, social learning, exchange, person perception, cognitive consistency, and interpersonal transactions. Some psychology and sociology background is recommended (e.g., Psy 1100 and Soc 1100).
- 3530s. GROUP DYNAMICS.** (1-5 cr; not offered 1977-78)
(Same as Soc 3530) An analysis of the structure and processes of socially organized, face-to-face interaction among people in small groups. Conformity, sociometric structure, cohesion, social control, group decision making, power, and status.
- 3540f. TUTORIAL IN SOCIAL PSYCHOLOGY.** (1-5 cr; prereq 3525 or 3530 or #)
(Same as Soc 3540) Individualized and seminar instruction in an area of student and staff interest. Typically the student completes a library or an empirical research paper. May be taken winter or spring by permission.
- 3600s. QUANTITATIVE METHODS IN PSYCHOLOGY.** (3-5 cr; prereq 1110 and Math 3600 or Math 3610)
Experimental design. Analysis of data.
- 3610s. DIFFERENTIAL PSYCHOLOGY.** (5 cr; prereq 1100)
Nature of intelligence. Individual abilities, aptitudes, and personality variables. Psychological correlates of age, sex, race, and socioeconomic status. Effects of heredity and environment. Applications to psychology, education, industry, and current social problems.
- 3615s. HISTORY AND PHILOSOPHY OF PSYCHOLOGY.** (1-5 cr; prereq 1100 or 1110 or #)
Historical roots and comparative features of major theoretical systems in psychology, including their viewpoints on scientific methodology, research interests, and techniques. The component variables, hypotheses, and laws of structural, functional, behavioristic, Gestalt, psychoanalytic, and existential movements and their modern syntheses.
- 3920f,w.s. FIELD EXPERIENCES IN PSYCHOLOGY.** (1-5 cr; repeatable, but not more than 5 cr may count toward the 180 cr needed for the bachelor of arts nor toward the major requirements in psychology; prereq #, which will normally require Psy 3400 and 3410 for work in psychiatric settings, Psy 3400 and either 3500 or 3501 for work in schools; S-NR grading only)
Individually arranged, supervised observation of and assistance with activities of professional psychologists in schools, clinics, hospitals, and other field settings.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
Individualized instruction for advanced undergraduates. Content and manner of instruction will depend on the interests of students and staff. Individual research and reading projects in selected areas under the supervision of staff members as well as seminars concerned with the exploration in depth of topics of current interest, to be announced.

SOCIOLOGY (Soc)

OBJECTIVES

The curriculum in sociology (with support from courses in anthropology) is designed to acquaint students with the concerns, theories, and methods of the science that deals with natural groups, culture, and interpersonal relations of human beings. In addition to an introduction to sociology as a science, an effort will be made to broadly relate human values to the theories, methods, and data of sociology. The courses are designed to meet the needs of liberal arts students as well as students preparing for graduate school.

REQUIREMENTS FOR A MAJOR

A minimum of 45 credits, 35 of which must be in courses numbered 3000 or above; Soc 3230 and either Soc 3105 or Anth 3810; and a 5-credit independent project completed under the supervision of a sociology-anthropology faculty member. CSci 1103 is strongly recommended.

The student should choose a faculty adviser as early as possible after declaring the major. The adviser will help the student choose appropriate classes and assist in arranging the independent study project and internships.

REQUIREMENTS FOR TEACHER PREPARATION

Students seeking teacher licensure in any of the social sciences must complete a social science major. Sociology majors seeking teacher licensure must also complete a social science major and the required professional education courses including methods (SScE 3940) and student teaching in social studies.

COURSE DESCRIPTIONS

- 1100f,s. INTRODUCTORY SOCIOLOGY.** (5 cr)
Basic concepts, theories, and methods of sociology; survey of some of the institutional areas in which sociologists specialize.
- 3105w. SOCIOLOGICAL THEORY.** (5 cr; prereq 10 cr in sociology or #)
A survey of the major developments of sociological theory with emphasis on selected areas.
- 3106f. TUTORIAL IN SOCIOLOGICAL THEORY.** (3-5 cr; repeatable with #; prereq 3105)
Examination of specific theorist(s). Topics will vary according to student and staff interests and will be announced in advance.
- 3111w. SOCIAL POLICY.** (5 cr; prereq 1100; not offered 1978-79)
A survey of sociological and social science contributions and reactions to social policy in industrialized countries. Social policy areas such as education, health, welfare, and economic well-being.
- 3150w. SOCIAL PROBLEMS.** (5 cr; repeatable with #; prereq 1100 or Anth 1110; not offered 1977-78)
An advanced course concentrating on the general and specific theory necessary for understanding selected social problems. Desirability of various social policy approaches.
- 3151f,w. SPECIAL STUDIES ON SOCIAL PROBLEMS AND SOCIAL POLICY.** (1-5 cr; repeatable with #; prereq 3111 or 3150 and #)
A directed study opportunity to relate social science materials and techniques to a particular social policy area in a student-initiated study. Consent of instructor is based on a well-developed proposal.
- 3230w. RESEARCH METHODOLOGY.** (5 cr; prereq 1100)
An introduction to the philosophy of social science, focusing on the relationships between theory and method and on the logic of the research process.
- 3305s. STRATIFICATION.** (5 cr; prereq 1100 or Anth 1110; not offered 1978-79)
The hierarchies of power, wealth, and prestige; analysis of various theories of stratification. Class, status, race, caste, and sex evaluated in terms of stratification.

- 3315s. SOCIAL INSTITUTIONS.** (5 cr; repeatable with #; prereq 1100 or Anth 1110)
An in-depth examination of one or two social institutions such as the law, education, religion, the family, or the economy. Topics vary and will be announced in advance.
- 3320s. SOCIAL ORGANIZATION.** (5 cr; prereq 10 credits in sociology or anthropology; not offered 1977-78)
Social organization as the functioning of total societies and of subgroups (e.g., bureaucracies, occupational groups, voluntary organizations) within total societies.
- 3360w. SOCIAL DEVELOPMENT.** (5 cr; prereq 1100, Anth 1110, or Econ 1110; not offered 1978-79)
(Same as Econ 3360) Sociological and anthropological approach to understanding the problems and issues involved in social and economic development. Emphasis on the Third World but comparison with other systems.
- 3405s. ETHNIC STRATIFICATION.** (5 cr; prereq 1100 or Anth 1110)
(Same as Anth 3405) A comparative study of ethnic stratification systems. Theories and empirical studies concerned with prejudice and discrimination and the American experience in these matters. Usually focuses on Native American, black, and Chicano experiences.
- 3410. SOCIOLOGY OF THE FAMILY.** (1-5 cr; prereq 1100; offered when feasible)
A review of the major approaches to understanding the structure and change of the family.
- 3415w. SOCIOLOGY OF LIFE-STYLES.** (5 cr; repeatable with #; prereq 1100 or Anth 1110)
A topical course in areas of current interest using a sociological application. Topics stress the diversity of life-styles in the United States or focus on a particular group or groups such as women, the aged, or urban and rural dwellers.
- 3430w. POLITICAL SOCIOLOGY.** (5 cr; prereq 1100 or Anth 1110; not offered 1977-78)
An analysis of the social bases of political life. Topics that illustrate the relationship between social class and power, ideology, voting, and tolerance, as well as consideration of decision making, conflict resolution, "legitimacy," and public opinion processes.
- 3480f. THE INDIVIDUAL AND THE SOCIOCULTURAL MILIEU.** (5 cr; repeatable with #; prereq 10 cr in sociology, anthropology, or psychology)
(Same as Anth 3480) A delimited topic in culture and personality, social structure and personality, cognitive anthropology, or cultural linguistics. Specific topics such as behavior in illness, acculturation, or the effects of extreme social situations on a person may be dealt with for the whole quarter. Analysis of different aspects of the relationship of a person to his or her society. Topics vary.
- 3525w. SOCIAL PSYCHOLOGY.** (1-5 cr)
(Same as Psy 3525) Theories and research in the study of interpersonal behavior. Role, self, social learning, exchange, person perception, cognitive consistency, and interpersonal transactions. Some psychology and sociology background is recommended (e.g., Psy 1100 and Soc 1100).
- 3530s. GROUP DYNAMICS.** (1-5 cr; not offered 1977-78)
(Same as Psy 3530) An analysis of the structure and processes of socially organized, face-to-face interaction among people in small groups. Conformity, sociometric structure, cohesion, social control, group decision making, power, and status.
- 3540f. TUTORIAL IN SOCIAL PSYCHOLOGY.** (1-5 cr; prereq 3525 or 3530 or #)
(Same as Psy 3540) Individualized and seminar instruction in an area of student and staff interest. Typically the student completes a library or an empirical research paper. May be taken winter or spring by permission.
- 3550s. SOCIOLOGY OF DEVIANT BEHAVIOR.** (5 cr; prereq 5 cr of sociology or #; not offered 1977-78)
Theoretical and empirical issues recurring in the sociological literature on deviant behavior.
- 3950f, 3951w, 3952s. DIRECTED STUDY.** (1-5 cr per qtr; prereq #)
Individualized instruction. Content and manner of instruction will depend on the interests of students and staff.

SOCIAL SCIENCE MAJOR

OBJECTIVES

This program offers a competency-based approach to the social sciences and provides preparation for teacher licensure. Rather than simply transmitting information through a predetermined set of courses, the program encourages the student to be an active learner and develop habits, attitudes, skills, and techniques that he or she may use throughout life—as citizen, professional, or individual. The program

attempts to fit available educational experiences to the needs and interests of the individual student while helping each to attain proficiency in an area of concentration as well as in the various social science disciplines.

COMPETENCIES

The faculty of each field of study in the social sciences has established a set of minimum competencies that ask a student to understand the ways in which the discipline structures and advances knowledge, raises and answers analytical questions, and deals with competing theories and the changing nature of the field. Ordinarily, the student may acquire these competencies by successfully completing designated courses. In addition, each student, in consultation with an adviser from the Division of the Social Sciences, develops a set of competencies in an area of concentration within a single discipline or in an interdisciplinary area. An area of concentration might include advanced course work, student-initiated projects, or participation in seminars. Statements of competencies required for the various fields of study and areas of concentration and ways of achieving proficiency are on file in the division office. Although these sample statements are available, students should consult an adviser to plan their program of study as soon as possible after declaring the major.

ADVISING AND EVALUATION

The student works closely with his or her adviser to plan a program that satisfies the required competencies in a chosen area of concentration and in the social science disciplines. The student's progress in fulfilling the competency requirements is recorded in a folder. Members of the faculty in each discipline certify attainment of competencies in their field, while a divisional committee for the social science major approves interdisciplinary competencies and oversees the operation of the program in general.

PROGRAM

While the programs of individual students may vary, based upon arrangements approved by the divisional committee for the social science major, the minimum competencies required for each discipline normally may be achieved by successful completion of the following courses:

Anth 1100—Introduction to Physical Anthropology

Anth 1110—Introduction to Cultural Anthropology

Econ 1110—Principles of Economics: Macro

Econ 1115—Principles of Economics: Micro

Econ 1950—Seminar for Social Science Majors

Geog 1000—Problems in Geography

Hist 1400—Exercises in Historiography

Any one of the following history courses:

Hist 1100—Introduction to Modern European History

Hist 1200—Introduction to United States History

Hist 1301—Introduction to Traditional Asian Civilization

Hist 1311—Introduction to the History of Modern Asia

Hist 3500—Introduction to Traditional Latin-American Civilization

Hist 3501—Introduction to Modern Latin-American Civilization

Pol 1000—Politics and You

Pol 3890, 3891, 3892—Seminar in Political Science

- Psy 1100—General Psychology I
- Psy 1110—General Psychology II
- Soc 1100—Introductory Sociology
- Soc 3105—Sociological Theory
- (or) Soc 3150—Social Problems
- (or) Soc 3230—Research Methodology

REQUIREMENTS FOR TEACHER PREPARATION

Students seeking teacher licensure in the social studies must also take the required professional education courses including methods (SScE 3940) and student teaching in social studies.

Division of Science and Mathematics

SCIENCE TEACHING PREPARATION MAJORS

UMM offers programs leading to the licensure of secondary school teachers in three areas of science: life science, earth science, and physical science. Students in these programs must complete a broad distribution of basic courses in all three areas plus additional course work in their area of specialization. The basic courses required total 35 credits. They are:

- Biol 1110-1111—Principles of Biology (10 cr)
- Chem 1501, 1502—General Chemistry (10 cr)
- Geol 1100—Physical Geology (5 cr)
- Geol 1200—Earth Science (5 cr)
- Phys 1150—General Physics (5 cr)

In addition to these basic courses, a high level of competency in the area of specialization is required. A list of specific course options that will satisfy the specialization requirement may be obtained from faculty members in the respective disciplines.

Professional education courses required for licensure in the above disciplines are listed under Secondary Education in section III of this bulletin. They include appropriate secondary education methods courses and student teaching.

Licensure in mathematics does not require completion of the basic courses listed above. The requirements for teacher preparation in this discipline are detailed under Mathematics in section III of this bulletin.

BIOLOGY (Biol)

OBJECTIVES

The curriculum in biology is designed to provide students with some knowledge of biology as part of their liberal arts curriculum and to prepare students for graduate study in the various disciplines of biology and related professions, secondary school biology teaching, and work in industrial biology. The faculty believes these objectives can best be attained by providing a coordinated basic curriculum in biology.