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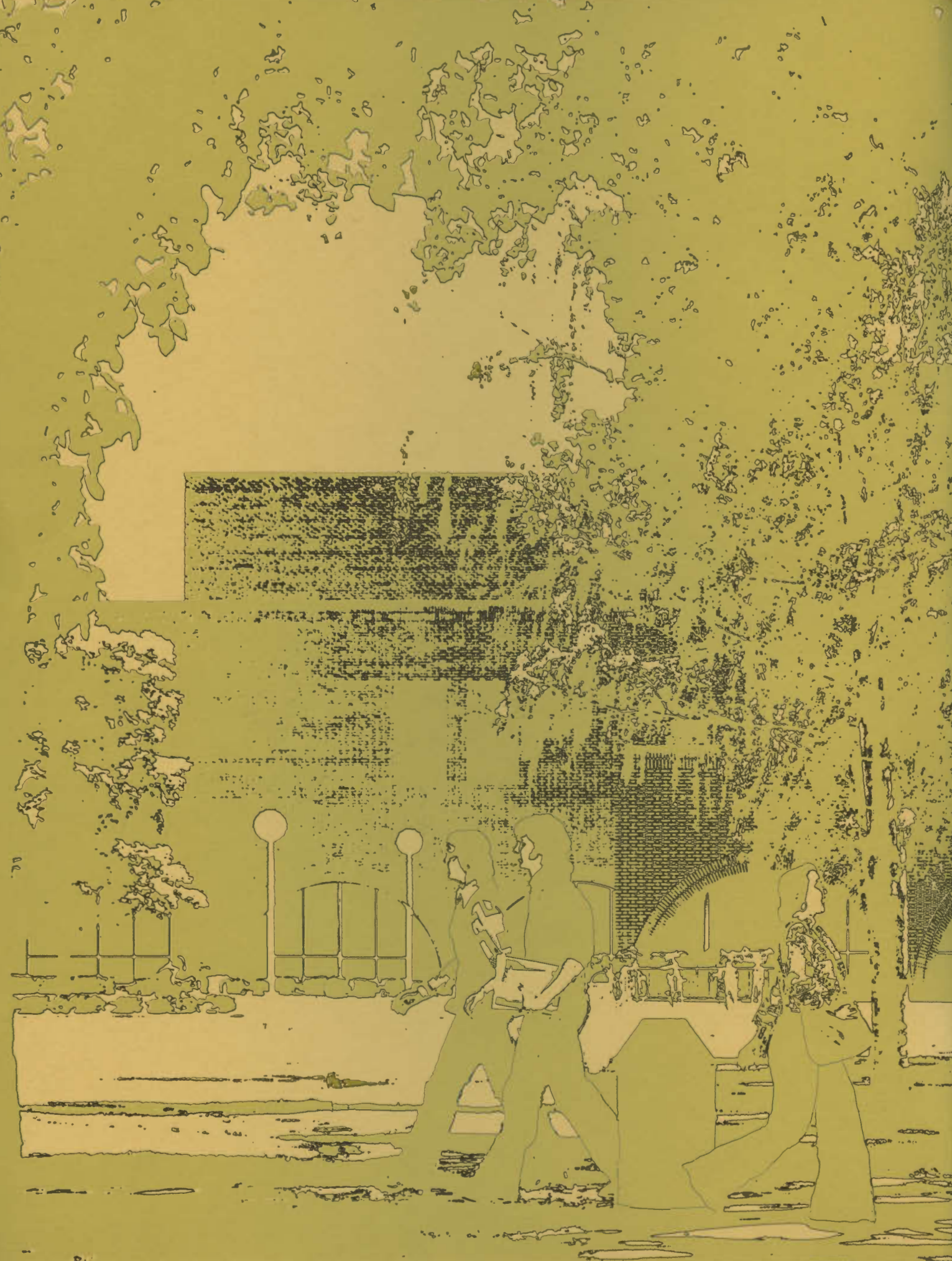
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academic bulletin
1976-1978 moorhead state university



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accreditation

North Central Association

Undergraduate Program. Moorhead State University is accredited by the North Central Association of Colleges and Secondary Schools to offer undergraduate four year college programs leading to the Bachelor of Science and the Bachelor of Arts degrees.

Graduate Program. Moorhead State University is accredited by the North Central Association of Colleges and Secondary Schools to offer the Master of Science and the Master of Science in Education Degrees.

National Council for Accreditation of Teacher Education

Moorhead State University is accredited by the National Council for Accreditation of Teacher Education as a five-year teacher education institution offering the degrees of Bachelor of Science and the Master of Science in Education.

American Chemical Society

Moorhead State University's chemistry department is on the approved list of the American Chemical Society.

Council on Social Work Education

Moorhead State University is accredited by the Council on Social Work Education to offer a Bachelor of Arts in Social Services.

National Association of Schools of Music

Moorhead State University's music department is accredited by the National Association of Schools of Music.

American Speech and Hearing Association

The clinical services of Speech Pathology and Audiology are accredited by the American Speech and Hearing Association.

academic information

Change of Requirements

Within practicable limits, academic policies and requirements at Moorhead State University are not retroactive, and a student entering a degree program can expect to complete that program under the requirements specified at the time he actively enrolled in the program.

When a required course for a previous program is no longer offered, the student may substitute another course or courses with the approval of the Faculty Dean or Director.

Individual exceptions to major and minor requirements as listed in the University catalogue, including the waiver or substitution of courses, are subject to the approval of the department chairperson by written notice to the Registrar at the time such approval is granted. Records of approved changes will be retained in student files by the Registrar until graduation.

Academic Year

The academic year at Moorhead State University is arranged into Fall, Winter, and Spring quarters of approximately 12 weeks each and a Summer quarter comprised of two five-week sessions and special short-term workshop sessions.

Students may enter the University at the beginning of any term although the academic year begins officially with the Fall Quarter.

Units of Credit

The unit of credit at Moorhead State University is the quarter hour, representing one period (50 minutes) or study per week for 12 weeks or a suitable equivalent.

For transfer students, one semester hour of credit is equivalent to 1.5 quarter hour credits. One credit unit from schools using the 4-1-4 plan is considered equivalent to six quarter-hour credits except where the school issuing such credit assigns a different value.

Full-Time and Part-Time Status

An undergraduate student enrolled for 9 credits or more (5 credits or more during a summer session) is considered a full-time student.

A graduate student enrolled for 7 credits or more (4 credits or more during a summer session) is considered a full-time student.

Graduation Requirements (Bachelor's Degree)

At least 192 credits are required for the degree of Bachelor of Arts or Bachelor of Science.

The candidate must have a grade point average (GPA) of at least 2.0 for all credits applied to the degree program and for all credits attempted at Moorhead State University.

The candidate must complete a General Studies program with a GPA of at least 2.0 for all courses applied to General Studies and, in the case of a transfer student, a GPA of at least 2.0 for all MSU courses applied to General Studies.

The degree program must include at least one major with a GPA of 2.0 or above.

No minor is required, but a GPA of at least 2.0 must be attained in any minor presented for graduation.

The candidate must be enrolled as a resident student (on campus courses) (A) for at least three quarters, (B) for at least 45 of the last 96 credits, and (C) for at least 8 of the last 12 credits applied to the degree.

No more than 15 correspondence credits may be applied.

A candidate who has attended a junior college must complete at least 96 credits in addition to junior college study.

An application for graduation must be submitted to the Office of Admissions and Records prior to the quarter in which the candidate expects to complete graduation requirements. The student must secure the approval of each major and minor advisor before submitting the application.

A candidate for graduation with a teaching major shall fulfill all Teacher Education requirements listed below.

Specific exceptions to these graduation requirements are listed under such programs as Vocational-Technical Education or External Studies.

General Studies

The candidate for a bachelor's degree must complete a General Studies program of at least 64 credits.

It is intended that this program will build on, extend, and enlarge the general education previously attained. It involves the expectation that collegiate studies will complement but not duplicate high school studies. It is assumed that existing interests will be developed further, and it is expected that most students will acquire new ones. It is hoped that students will attain the mental disciplines that will lead to a lifetime of self-education.

The program is characterized by certain minimum requirements in several areas, such as composition and literature, the natural sciences, the social sciences, the humanities, and communication, language, and symbolic systems.

Because the program is not static, its requirements may vary for students in different entering classes. Each student should consult the applicable General Studies Information Bulletin and an advisor regarding the particular General Studies program.

Courses in the student's major discipline may not be applied to General Studies. If the student has more than one major, this limitation applies to one major only.

Courses in a minor or in "related requirements" specified by a major may be applied to General Studies.

Courses may not be applied to the General Studies program if taken for Pass/No Credit grading unless specifically approved for this purpose by the General Studies Committee.

Freshman Year Requirements

No specific courses are required during the freshman year at MSU, except that freshmen will normally complete the English 101-102-103 sequence. (See English Department for information about the undergraduate qualifying examination in English by which students may either earn exemption or substitute advanced courses.)

Freshmen will normally enroll in courses at the 100-level or certain 200-level courses with approval of their advisors, who will assist them in making course selections.

Multiple Majors and Degrees

A student completing two or more majors with different degree designations will be awarded the more appropriate degree, except that the B.S. degree shall be given if one major is in a field of professional teaching.

A student who seeks more than one degree will be required to complete at least 45 credits beyond the minimum of 192 credits applied to the first degree.

A student who holds a previous baccalaureate degree from another accredited institution may earn an additional degree from Moorhead State University by (A) completing at least 45 resident credits at MSU; (B) meeting all MSU course requirements for the degree program, including an approved major and teacher education requirements for any teaching major; and (C) maintaining at least a "C" average in all studies at MSU.

A student with a previous Moorhead State University degree may add another major or minor to his record by completing any additional requirements as certified to the Registrar by the department offering the major or minor and by the Education Department in the case of any teaching major.

Individualized Major

A student may develop a multidisciplinary individualized major composed of courses from several related disciplines selected in consultation with a faculty advisor.

The form used to petition for an individualized major is available from the Office of Academic Affairs, which has the responsibility to review the petition and to determine if it merits approval.

Following approval, the student shall complete at least 45 credits before qualifying for graduation with a degree which includes the individualized major.

Each individualized major shall include (A) a total of at least 70 credits and (B) at least 30 credits from a single discipline.

Unless the individualized major is completed in combination with another established major, the student shall include at least 60 credits from courses at the 300 or 400 level among the total credits presented for graduation.

In no way shall the title of an individualized major duplicate the name of an established major or suggest completion of certifiable curricula normally offered by collegiate institutions.

Minors Through Exchange

The TCU Commissioners have agreed that students completing minors on one of the other campuses should be given recognition for this accomplishment on their graduation transcript. Thus a Moorhead State student could complete a minor in Agronomy, Horticulture, or Religion at one of the other TCU schools, for example, upon graduation that student's transcript would so indicate.

Procedures for implementation of this policy are as follows:

The student should request that the chairperson of the department in which the minor has been taken send a memo indicating completion to the Moorhead State registrar, immediately after the minor has been finished.

The student should indicate the minor on the Application for Graduation form.

Teacher Education Requirements

To be eligible for graduation and/or certification with any teaching major, the candidate shall fulfill all of the following requirements: (A) teacher education admission and retention in good standing, (B) completion of a professional education sequence of courses appropriate to the level of teacher preparation, (C) fulfillment of an approved human relations component for certification, (D) at least two credits in physical education activity courses (waived for veterans of military service who present satisfactory credentials to the Registrar), (E) one or more courses in health education, including instruction in the effects of narcotics and alcohol (satisfied by the MSU course Health 110), (F) student teaching as approved by the MSU Education Department.

Any person with a previous baccalaureate degree may qualify for teacher certification by (A) completing any remaining requirements for the MSU major in the teaching field, and (B) satisfying all other teacher education requirements above. The candidate may qualify for certification without earning an additional degree.

The applicant for certification should secure the proper forms from the state in which certification is sought and submit completed forms and state fee payments to the Office of Admissions and Records, where they will be processed and forwarded after verification. State of Minnesota forms are available from the Office of Admissions and Records.

Teaching Majors and Minors

Requirements for the major programs in fields of secondary education are listed under the respective departments in this Bulletin.

Requirements for the majors in elementary education and special education are listed under the Department of Education.

Completion of secondary education curricula will fulfill certification requirements for grades 7-12, except that students with teaching majors in art, foreign languages, industrial arts, music or physical education may qualify for grades K-6 also by completing (A) part of their student teaching at the elementary level and (B) any stipulated elementary teaching methods courses.

No minor is required for secondary teaching, but certain minors will qualify a candidate for limited teaching opportunities in addition to the major.

All teaching majors and minors must include at least one course in the special methods and materials for teaching.

Teacher Education Admission and Retention*

*Note: These regulations are in effect for entering freshmen as of Fall 1972. Students admitted to college previous to this date are subject to regulations stated in catalogues effective at the time of their admission.

Formal application for admission to teacher education is made when the student takes his first education course, normally Ed 110 Career Explorations in Education.

A Mantoux test and a speech-hearing test must be taken by all candidates for teacher education. These are administered respectively by the University Health Service and the Department of Speech.

Admission to and retention in teacher education requires a cumulative grade point average of 2.25 for all courses from Moorhead State University.

A student whose GPA is above 2.0 but below 2.25 may be admitted or retained on probation by action of the Teacher Education Admissions Committee.

Teacher education admission or dismissal must be approved by the Teacher Education Admission Committee, which may require any of the following conditions: screening interview, appropriate proficiency examinations, endorsement by the student's advisor or major department, or recommendations from school personnel responsible for supervision of student teaching.

A cumulative GPA of 2.5 for all Moorhead State University courses is a prerequisite for student teaching or to the Professional Fourth Year (PFY) Program in elementary education. Therefore, the Teacher Education Admissions Committee may dismiss a student whose GPA is below 2.5 and who does not demonstrate consistent academic improvement.

The decision of the Teacher Education Admission Committee may be appealed to the Teacher Education Committee or to the Dean of Education and Regional Services, and to the President.

Dismissal from Teacher Education

A faculty member, supervising teacher, or administrator of a school to which a student teacher is assigned may request the Teacher Education Admissions Committee to review the fitness of any student enrolled in a teacher education curriculum.

The decision of the Teacher Education Admissions Committee may be appealed to the Teacher Education Committee, and the student may appeal that decision to the President of the University.

Professional Education Sequence

Any curriculum leading to graduation and/or certification with a teaching major shall include such courses in the professional preparation of teachers as are designated by the MSU Education Department to comply with requirements of the Minnesota State Board of Teaching.

Such requirements for teaching in the public elementary schools are included in the elementary education curriculum. (See Education Department under Elementary Education.)

Professional education courses for all secondary teaching curricula are:

- Ed 110 Career Exploration in Education (3)
- Ed 214 Human Growth and Development (3)
- Ed 305 Education Psychology (3)
- Ed 307 Measurement and Evaluation (3)
- Ed 490 Foundations of Education (3)

Substitutions for these courses must be approved by the Assistant Chairperson of Education in a written memorandum filed with the Registrar.

Human Relations Component for Certification

All applicants for teaching certificates in Minnesota are required by Minnesota regulation EDU 521 to have completed a training program to develop competency in human relations.

The certified teacher must attain six quarter credits in human relations, including three credits at the cognitive level and three credits at the affective level. Courses must be approved by the Human Relations Committee at Moorhead State University subject to approval by the Minnesota State Department of Education.

The non-certified teaching candidate has several options to satisfy the human relations requirement. A brochure detailing the various MSU programs is available from faculty advisors or from the Human Relations Office, 107 Owens Hall.

Forms to be used for certifying completion of the human relations component are also available at the Human Relations Office.

Student Teaching

Student teaching should be completed during the 9th, 10th or 11th quarter of college in order to provide time for placement interviews during the final quarter.

Students are requested to apply for admission to student teaching at least two full quarters in advance of their assignment.

Application forms for admission to student teaching are available from the Department of Education.

Requirements for admission to student teaching include (A) satisfactory health and speech, (B) a GPA of 2.5 in all credits earned at Moorhead State University, (C) a GPA of 2.0 in professional education courses, and (D) the recommendation of the student's faculty advisor.

Students should not plan to enroll for additional courses or hold employment during full-time student teaching (16 credits).

Other courses may not be substituted for student teaching.

The student teaching assignment begins on the first day of school during the appropriate term of the institution where the student will serve.

The number of days of student teaching will at least equal the number of class days in the college quarter, although the student may not begin and end the assignment at the same time as for the equivalent quarter.

Elementary education majors in the Professional Fourth Year (PFY) curriculum will complete student teaching as an integral part of the entire program.

Associate Degrees

Moorhead State University offers two-year associate degrees as follows:

- (A) Associate in Arts in Liberal Arts
- (B) Associate in Science in Vocational-Technical Education
- (C) Associate in Science in Business and Technology

Each program requires completion of at least 96 quarter credits, including at least 32 credits in courses from MSU and at least 16 resident MSU credits.

The candidate for an AA or AS degree must have a GPA of at least 2.0 for all courses applied to the curriculum and for all courses taken from Moorhead State University.

A student who is admitted to an associate program and who decides to continue with a baccalaureate program may do so by meeting all additional requirements for the bachelor's degree.

General Studies requirements for each degree program must be fulfilled with courses applicable to General Studies in the baccalaureate curricula.

A.A. in Liberal Arts

The candidate for the Associate in Arts in Liberal Arts will complete one of the approved General Studies programs for the bachelor's degree with a GPA of at least 2.0.

Remaining electives to fulfill the 96-credit requirement are subject to the approval of the student's advisor.

A.S. in Business and Technology

Specific requirements for the following associate curricula are listed under the respective departmental sections of this Bulletin.

- A.S. in Accounting (Business Department)
- A.S. in Business Administration (Business Department)
- A.S. in Marketing (Business Department)
- A.S. in Secretarial (Business Department)
- A.S. in Technical Aid (Industrial Education Department)

In addition to specialized requirements, the candidate for each of these associate degrees must complete a General Studies program of at least 42 credits, including one year of freshman English and at least six credits in each of the distributional areas.

A.S. in Vocational-Technical Education

Candidates for the Associate in Science in Vocational-Technical Education will be required to present evidence from the Vocational Division of the Minnesota State Department of Education that they meet minimum requirements in technical training or experience for certification as vocational-technical school teachers.

Certification as a vocational-technical school teacher will serve as the student's major concentration and will be equivalent to 32 quarter credits. However, any transfer or MSU credits applied to meet certification requirements will be deducted from the 32-credit block reserved for training and experience. (Note: This exclusion does not apply to courses in teacher preparation.)

The remaining 64 credits will include (A) at least 32 credits in General Studies courses, (B) at least one course in each of the General Studies distributional areas, (C) at least 16 credits in courses for the professional preparation of vocational-technical school teachers, and (D) no more than 16 credits of teaching internship.

The complete program will consist of at least 96 credits including up to 32 credits for training or experience as described above.

A.S. with Individualized Career Emphasis

Students enrolled in the New Center for Multidisciplinary Studies may qualify for the Associate in Science diploma by fulfilling the requirements listed below.

The curriculum shall include a total of at least 96 credits.

There shall be a general studies program of at least 34 credits, including at least 4 credits each from the natural sciences, the humanities, oral communications, social sciences, and written communications.

A minimum of 36 credits shall be devoted to a career-focused area of concentration in an approved combination of courses from college study and/or a completed vocational-technical school program.

A.S. in Early Childhood Education

See Education Curricula for specific information about this two-year program.

Bachelor of Science in Vocational-Technical Education

Candidates for the Bachelor of Science in Vocational-Technical Education will meet all graduation requirements for the baccalaureate degree at Moorhead State University except as specified below.

Each candidate will be required to present evidence from the Vocational-Technical Education Division of the Minnesota State Department of Education that he meets all technical training or experience requirements for certification as a vocational-technical school teacher.

Certification as a vocational-technical school teacher will fulfill the student's major in Vocational-Technical Education and will be equivalent to 72 quarter credits to be held in trust until the time of graduation. However, any transfer or MSU credits used to meet certification requirements for the Vocational-Technical Education Division will be deducted from the 72 credits held in trust.

An appropriate program of vocational-technical teacher education courses will be required of each degree candidate, including at least 16 credits in courses for the professional preparation of vocational-technical teachers and no more than 16 credits in teaching internships.

The degree curriculum will include one of the approved General Studies programs of at least 64 credits.

The candidate will be assigned to a faculty advisor in the department most appropriate to the specialized field of preparation.

Specific courses included in the major in vocational-technical education are listed under the Department of Industrial Education in this Bulletin.

External Studies Degree Programs

A student may earn the Bachelor of Arts or Bachelor of Science degree from Moorhead State University by fulfilling all requirements specified below. Further information is available from the MSU Office of External Studies.

Admission to External Studies is contingent upon (A) minimum age of 25 years, (B) enrollment in ExSt 300 Educational Planning (2 credits) on a class or individual basis, (C) submission of application forms and credentials as requested, (D) approval by the Committee on External Studies.

The degree candidate must complete at least 45 credits as an enrolled student at Moorhead State University, although no minimum number of on-campus (resident) credits is stipulated.

With the endorsement of the advisor, the student will submit and complete a General Education (Step 1) plan approved by the Committee on External Studies and designed to prove, or significantly improve, the student's competency in each of seven areas of the liberal arts.

After fulfilling the General Education requirement, the student will complete an Area Study, equivalent to at least 16 credits, in one of the seven General Education areas under the supervision of a faculty team of at least three members (Step 2).

The student will also fulfill a Specialization (Step 3) requirement equivalent to a traditional or individualized major under the supervision of a faculty advisor.

The entire degree program must be equivalent to at least 192 quarter credits, and the student must have a GPA of at least 2.0 ("C" average) in all MSU courses attempted and in courses applied to each of the three steps.

Credit in Steps 1 and 3 or elective credit to fulfill the total degree may be earned by regular courses, independent study, internship, examination, transfer credit, or evaluation of non-collegiate or non-institutional study or experience.

Resident Credits

Resident credits are those earned while attending courses offered on the Moorhead State University campus, in Tri-College or Minnesota State University Common Market courses, in workshops or field trips originating from the campus, and in evening courses on campus.

Non-resident credits are those earned at another college (except by Common Market arrangements), in off-campus courses, or in courses offered through local or network television without class sessions on campus.

Minnesota State Universities do not offer correspondence courses. Up to 15 quarter hour credits of correspondence study from another accredited institution may be applied to an undergraduate degree program.

Armed Service Credits

Study completed during military service through the United States Armed Forces Institute will be evaluated at the time of admission or re-enrollment to determine if credit will be awarded at Moorhead State University.

Credit may be given for attending regular armed service schools. The student should discuss the possibility of such credit with the Registrar.

Provisional Credits

Transfer students from colleges which are not fully accredited may receive provisional credit, subject to official acceptance following satisfactory study at Moorhead State University.

Students who have received provisional credits should wait at least two quarters after enrollment before requesting the Registrar to approve such credits.

Transfer of Credits

Transfer students who have completed at least 32 credits of previous college study will receive worksheets indicating the extent and distribution of credits which are accepted by the University.

In cases where a student with less than a "C" average is accepted through appeal to the Committee on Admission, as many credits will be accepted as will result in a "C" average.

Credits with "D" grades from other fully accredited colleges will be accepted if the student has a previous cumulative grade point average of 2.0 or better.

Courses similar to those required for General Studies at Moorhead State University will usually be considered equivalent for the purpose of meeting course requirements. However, the student must complete a total of 64 credits in General Studies courses.

Transfer students who have completed an Associate in Arts program in liberal arts at an accredited junior college will usually be deemed to have met the General Studies requirement at Moorhead State. However, the program must include at least 60 credits in courses comparable to General Studies at Moorhead State.

Transfer credits may not be applied to meet an area requirement at Moorhead State University (General Studies, major, or minor) unless they also meet the corresponding grade point average requirement for the area.

Transfer students from junior colleges must complete at least 96 quarter credits beyond the junior college level to meet the requirements for an undergraduate degree at Moorhead State.

Transfer credits will not be entered on a student's permanent record at MSU unless they are applicable to the student's degree program.

Vocational-Technical School Credit

A student who has successfully completed a program of at least nine months at a Minnesota Area Vocational-Technical Institute will receive transfer credit as follows: (A) No credit will be given for partially completed programs. (B) A maximum of 48 undergraduate credits will be recorded at the time of admission on the basis of 3 credits per month for the completed program. (C) No specific course evaluations will be made, and credit will be recorded as a block unit for the entire program.

Specific requirements in the student's major field of study at Moorhead State University may be waived by the major department on the basis of vocational-technical training, but no additional credit will be granted except as specified below.

At the time the student is otherwise qualified for graduation with a baccalaureate degree, additional credit may be awarded for vocational-technical training if the following qualifications are met: (A) A maximum of 24 additional credits may be granted upon the recommendation of the major department if such training was in a field related to the major. (B) Such additional credit will be given only if the training program exceeded 16 months on the basis of 3 credits for each excess month.

For a student enrolled in an external study degree program, these guidelines will also be used for evaluating credit from military service schools, hospital nursing programs, and other non-collegiate full-time study programs.

Advanced Placement

Moorhead State University will award credit for successful completion of an approved Advanced Placement study program under the auspices of the College Entrance Examination Board. Such programs are available to promising students in participating high schools.

To receive Advanced Placement credit, the student must (A) have the approval of his high school, (B) complete the program successfully (usually with a score of 3 or better), and (C) enroll at Moorhead State University following high school graduation.

All records must be forwarded from the College Entrance Examination Board, and the University reserves the right to evaluate such records and determine the credit to be assigned.

Normal Training Credits

A student who has completed the Normal High School Teacher Training after graduation from a Minnesota high school will receive 48 credits for one year and 96 credits for two years of such training.

Such credits will be evaluated by the University and applied to the student's program, unless those credits were used to complete a curriculum at the university before May 12, 1952.

Credit by Departmental Examination (Challenge of MSU Courses)

A student may challenge a course at Moorhead State University through an examination for credit by arrangement with the appropriate department of study.

An examination for credit may be announced by the department chairman, or the student may secure written permission for such an examination from the department chairman.

Following such announcement or written permission, the student secures an "Examination for Credit" form at the Office of Academic Affairs.

The completed form is presented at the Business Office, where the form is stamped and a receipt issued upon payment of a \$5 examination fee.

The stamped form will be collected as an admission slip at the time of the examination.

A grade of Pass or Fail ("S" or "F") and the appropriate number of credits will be marked on the form, which is then signed by the department chairman and forwarded to the Faculty Dean for approval.

The approved form is submitted to the Registrar. If the student receives a Pass grade, the credit is placed on his permanent record. If he fails the examination, the form is placed in his file but not entered on his transcript.

No student may repeat any examination for credit.

Credit by CLEP Examination

The Registrar at Moorhead State University will provide information about the College Level Examination Program (CLEP) and will administer the CLEP Subject Examinations to interested students.

Procedures will be the same as for Credit by Departmental Examination except that the Registrar will administer the examination. The cost for each examination is \$20.

Credit will be awarded for successful performance on the CLEP Subject Examinations according to standard scores recommended by the Council on College-Level Examinations.

Following are the approved Subject Examinations and corresponding credit:

- American Government (4)
- American History (9)
- Analysis and Interpretation of Literature (9)
- Biology (9)
- College Algebra (4)
- College Algebra-Trigonometry (4)
- Computers and Data Processing (4)
- Educational Psychology (4)
- English Composition (9)
- English Literature (9)
- General Chemistry (9)
- General Psychology (4)
- Geology (9)
- History of American Education (4)
- Human Growth and Development (4)
- Introduction to Business Management (4)
- Introductory Accounting (9)
- Introductory Business Law (4)
- Introductory Calculus (9)
- Introductory Economics (9)
- Introductory Marketing (4)
- Introductory Sociology (9)
- Money and Banking (4)
- Statistics (4)
- Tests and Measurements (4)
- Trigonometry (4)
- Western Civilization (9)

Credit earned by examination may be applied to General Studies requirements but may not be applied to a major curriculum except with departmental approval.

The CLEP Subject Examinations are recommended only for students with advanced knowledge in subject fields not usually acquired in typical high school curricula.

Credit will also be awarded for equivalent performance on CLEP Subject Examinations taken at other test centers, including the military services.

Credit is not given for the CLEP General Examinations.

Pass-No Credit Grades

Any student with sophomore, junior, or senior standing may take courses for Pass-No Credit grades in areas outside his major or minor field.

No course with Pass-No Credit grades may be applied to General Studies.

A student may take no more than one course per quarter for Pass-No Credit grades.

A student may apply up to 24 credits under the Pass-No Credit option to a baccalaureate degree program.

No course which the student has previously failed may be repeated under the Pass-No Credit option.

Credits earned under the Pass-No Credit option will not be included in computing grade point averages.

A grade of "S" will be recorded for any course successfully completed under the Pass-No Credit option. No entry will be made if the student fails to earn credit.

A Pass-No Credit agreement form, available from the Office of Admissions and Records, must be signed by the student and his advisor and returned to the Office of Admissions and Records on or before the tenth class day of the quarter.

Pass-Fail Courses

Certain courses which offer insufficient opportunity for graded evaluation may be offered with only the grading options of pass "S" or Fail "F".

Student teaching and internships are always to be graded on a pass-fail basis.

The Vice-President for Academic Affairs may grant permission for other courses to be graded pass-fail.

All students in an approved course shall be graded on the pass-fail basis.

Auditing Courses

A student who wishes to audit or attend a course without seeking credit must be admitted to the University, register for the course, and pay full tuition and fees.

To audit a course, the student shall attend class sessions but is not required to complete assignments or projects, participate in discussions, take examinations, or meet other requirements.

A student may declare the intent to audit a course by submitting a Course Audit form signed by the instructor within the first ten class days of a quarter or by notifying the instructor at the time of registration in an evening class, workshop, or off-campus course.

A student may not receive credit for auditing a course except by re-enrollment for credit and successful completion of the course in a subsequent quarter.

An entry of "V" (Visitor) is made on the student's permanent academic record when a course is audited without credit.

Grades and Grade Points

All study for University credit is recorded with the following grade designations:

- "A" Excellent 4 Grade points per credit
- "B" Above Average 3 Grade points per credit
- "C" Average 2 Grade points per credit
- "D" Passing 1 Grade point per credit

"F" Failing 0 Grade points per credit
"I" Incomplete 0 Grade points per credit
"S" Satisfactory
"X" In Progress
"V" Audit (Visitor)
"W" Withdrawal

"S" grades will not be included in computing the grade point average.

Incomplete Credits

The mark of "I" (Incomplete) is granted when the student is unable to complete course requirements for reasons beyond control and when arrangements have been made with the instructor before the end of the quarter.

In computing GPA, an Incomplete is considered an "F" until it is changed by the instructor.

It is the responsibility of the student to ascertain the instructor's requirements for making up an Incomplete. Ordinarily, the Incomplete must be made up during the next quarter in which the student is enrolled.

When requirements have been met, the instructor will notify the Registrar of the replacement grade.

Repeating Courses

A student may repeat any course once only.

A student may not repeat a course to improve a previous grade of "C" or better in that course.

Grade Point Average

The grade point average (GPA) is computed by dividing the number of grade points earned in a given course or courses by the number of credits attempted.

Credits with grades of "S", "X", "V", or "W" are not included in computing the grade point average.

Credits with grades of "F" or "I" are included in computing the grade point average. However, "I" credits from the preceding quarter are not included when determining the grade point average for recognition at the time of the Honors Convocation or Commencement.

Only those credits and grades earned at Moorhead State University will be used to compute the GPA for (A) awarding scholarships, (B) recognizing honor students, or (C) determining scholastic qualifications for graduation.

When courses have been repeated, only the higher grade earned will be used to compute any grade point average. *Until Fall 1974, all course attempts were included in computing the cumulative GPA.*

Academic Standing

The student's cumulative grade point average for all courses attempted at Moorhead State University is the basis for determining his academic standing.

A student with a GPA of 2.0 or better is considered to be in satisfactory academic standing.

Academic Probation and Suspension

Any student whose cumulative GPA is less than 2.0 is automatically on academic probation.

A transfer student admitted on probation becomes subject to suspension if his cumulative grade point average is below 2.0 at the end of the quarter during which total credits attempted at MSU exceeds 15.

A special student admitted on temporary basis must maintain a cumulative GPA of at least 2.0 to remain eligible for further enrollment.

A student on probation who fails more than half of the credits attempted during any quarter is subject to suspension.

A student whose cumulative GPA is less than 1.6 after three quarters of enrollment is subject to suspension.

A student whose cumulative GPA is below 1.9 after six or more quarters of enrollment is subject to suspension.

During the quarter immediately after a student becomes subject to suspension, he will be so informed by written notice from the designated representative of the Office of Academic Affairs. The notice will specify conditions that must be met to avoid suspension at the end of the quarter. If a student is not enrolled the quarter after he becomes subject to suspension, he will be suspended.

A first suspension will be for a maximum of three quarters, including summer quarter.

A second suspension is normally permanent.

During any period of suspension, a student may file a written appeal for reinstatement with the Suspension Appeals Committee and may request a personal appearance before the Committee.

The decision of the Suspension Appeals Committee will be reviewed by the Vice President for Academic Affairs upon written request from a student.

Academic Honors

Three levels of honor students are recognized annually at the spring quarter Honors Convocation: (A) Honorable Mention for those with a GPA between 3.25 and 3.49, (B) Honors for those with a GPA between 3.5 and 3.74, and (C) Special Honors for those with a GPA between 3.75 and 4.00. To be eligible, a student must have completed at least two full-time quarters at MSU including full-time enrollment during the fall or winter quarter of the current year.

The Dean's list, published at the close of the fall and winter quarters, includes all students who maintained a GPA of at least 3.25 for that quarter while completing a minimum of 14 credits.

Students who complete at least 96 credits at Moorhead State University as candidates for baccalaureate degrees may graduate with the following honors: (A) Cum Laude, representing a cumulative GPA of 3.25 or better; (B) Magna Cum Laude, 3.5 or

better, and (C) Summa Cum Laude, 3.75 or better. Such honors are computed only from the cumulative GPA at Moorhead State University.

Some departments of study may award departmental honors to students who meet those requirements established by the departments.

Exemption from Courses or Requirements

At intervals announced by the respective department chairmen, examinations in several subjects of the General Studies are given to enable students with proven ability to be exempted from certain required courses. These examinations are usually offered during the orientation period preceding the freshman year.

Students who pass such exemption examinations will not receive credit unless they have followed procedures for Credit by Examination.

In extraordinary cases, students may petition for exemption from specific academic requirements. Such arrangements should be made through the Office of Academic Affairs.

Classification of Students

Students at Moorhead State University are divided into classes as follows: (A) Freshman 0-45 credits; (B) Sophomore 46-90 credits; (C) Junior 91-135 credits; (D) Senior 136 or more credits.

Special students are admitted on an individual basis and classified separately, since they are not participating in degree programs.

Advisor Assignments and Changes

Each student will be assigned to an advisor at or before the time of his first registration.

Any change of advisor may be made with the approval of the chairman of the department in which the student plans to seek his major and must be reported on a form available from the Office of Admissions and Records.

Student advisor services are available in most departments to supplement faculty advising.

Registration Procedures

Prior to registration, the student will plan a program with an advisor, who will sign the trial registration form when required.

Registration must be completed and all tuition and fees must be paid to the Business Office before the opening of classes in order to avoid assessment of late registration fees.

Class schedules and descriptions of the registration procedures for any quarter may be secured from the Office of Admissions and Records within a few weeks before the quarter begins.

Opportunities for advance registration for returning students, transfer students, or beginning freshman may be made available according to schedules and procedures specified by the Registrar.

Evening Course Registration

Evening classes on campus are considered as resident courses and are open to both part-time and full-time students.

Students who register only for evening courses may do so at the first class meeting or at the regular time for registration.

Registration for evening courses is closed after the second class session.

Off-Campus Registration

Moorhead State University offers off-campus evening courses at several community centers within an approximate radius of 100 miles.

Registration for off-campus courses should take place at the first class session but may be completed at the second session upon payment of an additional \$5 late registration fee.

Credits earned in off-campus courses are considered to be non-resident credits.

Inquiries about off-campus courses should be directed to the Director of Continuing Education.

Late Registration

Late registration fees of \$5 for the first day and \$2 for each additional day are charged for those who register for on-campus daytime courses on or after the first class day. Registration is closed after the tenth day.

For on-campus or off-campus evening courses a \$5 fee is charged for registration after the first class session.

Course Load

To enroll for more than 18 credits during any quarter (9 credits during a summer session) a student must have a grade point average of 3.0 or better and file a petition for excess load at the Office of the Registrar.

A petition for excess load must be approved by both the student's advisor and the Faculty Dean or Director.

Courses taken in evening classes, either on-campus or off-campus, are included in determining the course load.

State University Common Market

A student at Moorhead State University may attend another Minnesota State University—Bemidji, Mankato, Metropolitan, Southwest, St. Cloud or Winona—under provisions of a Common Market agreement outlined below.

The student shall first secure a Common Market passport from the Office of Admissions and Records, list preferred courses with the signed approval of the faculty advisor, and return the passport to the Registrar.

Eligibility is limited to sophomores and above with cumulative grade point averages of at least 2.0, and participation is limited to one quarter of attendance.

The passport and a transcript of the student's record will be forwarded to the host university, which will send an acceptance notice and registration instructions to the student.

No admission or matriculation fee is charged, and credits earned at the host university will be considered as resident credits and will be included in the student's grade point average at the home university.

Tri-College University Registration

Students who are enrolled at Moorhead State University, North Dakota State University, or Concordia College may complete a portion of their course work at either of the other two institutions through the Tri-College University.

To register for regular daytime classes, the student reports to the registration clerk at the home college to clear arrangements at his home college for admittance to a class at another college.

Tuition and fees for a Tri-College course will be the same as for equivalent credit at the student's home college, and the student must arrange for payment of such charges at the home college.

If limited enrollment in a course is exceeded, priority will be given to students who are already admitted to degree programs at the college offering the course.

Credits earned in Tri-College courses at another college are considered as resident credits at Moorhead State University.

Registration for evening courses under the Tri-College agreement may take place at the first class session, and no advance permission from the student's home college is required. Later registration for evening courses must be completed through the Registrar of the student's home college by the time of the second class meeting.

Change of Program (Adding or Dropping Courses)

Program changes include adding courses or withdrawing from courses after the student has made class reservations.

A class may be added within the following time limits only:

- (A) Fall-Winter-Spring – Through the tenth class day of the quarter
- (B) Evening and off-campus classes – Through the second meeting of the class
- (C) Summer Sessions – Through the fifth class day of the session.

A student may withdraw from a class only within the following limits:

- (A) Fall-Winter-Spring – At least ten class days before the official closing date of the quarter.
- (B) Summer Sessions – At least five class days before the official closing date of the session.

No entry will be made in the student's record if a class is dropped within the first ten class days of a quarter (or equivalent for evening and summer).

A class dropped after the first ten days (or equivalent) will appear on the student's record as a withdrawal ("W"). Tuition from a withdrawn course may not be applied to subsequent course additions.

Each change of program requires the following procedures:

- (A) Complete a change of program form available from the Admissions and Records Office.
- (B) Secure the instructor's signature for each class dropped or added.
- (C) Secure the faculty advisor's signature.
- (D) Present the form for checking at the Admissions and Records Office.
- (E) Submit the form to the Business Office for payment of a \$2.00 change of program fee unless the change results in a reduction of total credits.

The date of a program change will be the day when the final step of the process above is completed.

To withdraw from an evening class, either on-campus or off-campus, the student must notify both the instructor and the Registrar in writing at least ten days before the end of the quarter.

The instructor will submit a grade of "F" or "I" if the student does not complete the course and does not follow the formal procedure for withdrawal.

If a change of program results in an increase in the number of credits, the corresponding additional tuition must be paid before the change will be processed.

If a change results in a decrease of credits, no refund will be made unless the change is made for the convenience of the university.

If a student withdraws from an off-campus course not later than the fourth class session, one-half of the tuition for the course will be refunded. No refund is made after the fourth class session.

Withdrawal From Enrollment

To withdraw from all enrolled courses, a student must complete the Student Withdrawal form available from the Counseling Center.

A student who withdraws without following this procedure will receive a grade of "F" for each course in which he is enrolled.

Any refund of tuition or fees will be according to the schedule given under "Refund of Payments."

A student who is called into the armed forces during any term of enrollment must submit to the Registrar in advance a copy of his military orders, including notification of his date of departure.

A student who withdraws from enrollment because he is called into military service will (A) receive full credit with grades earned at the time of

withdrawal if he has satisfactorily completed more than three-fourths of the class days of the term OR (B) receive a full refund of tuition and fees without credit or grades if fewer than three-fourths of the class days of the quarter have elapsed.

Confidential Records

Confidential information about students at Moorhead State University is maintained in several offices. Such records are on file only when students have utilized the services of such offices and are solely for the purposes of maintaining essential records, providing required reports to governmental agencies, and furnishing services to students.

Students are entitled to examine their own personal records with the exception of medical records, confidential recommendations submitted by other persons prior to January 1, 1975, and parental financial information submitted prior to January 1, 1974, when disclosure has been specifically restricted by parents.

Records will not be released to other persons without permission from the student except to those officials or agencies with specific legal authorization. Normal directory information may be made public, including name, address, date of birth, major field of study, date of graduation, degree, next of kin and address, enrollment classification, telephone number, and current enrollment.

Requests to examine records and to correct inaccurate or inappropriate entries should be made to officers of the University who are responsible for records in the offices listed below:

- Admissions — Director of Admissions
- Business — Business Manager
- Counseling — Director of Counseling Services
- Financial Aid — Director of Financial Aid
- Foreign Students — Foreign Student Advisor
- Graduate Studies — Dean of Graduate Studies
- Health Services — Supervisor of Health Services
- Housing — Director of Housing
- Placement — Director of Placement
- Records — Registrar
- Veterans Affairs — Veterans Service Officer

Appeals of decisions by officers listed above may be made to the respective vice presidents to whom those officers are responsible. A vice president may assign such appeals to designated committees.

The decision of a vice president may be appealed to the University President in compliance with state and federal regulations applicable to contested records including the opportunity for a full and impartial hearing.

Reasonable charges may be made for reproduction of records. Copies of placement records are available as follows: active file—first ten free, \$.75 thereafter; inactive file—\$.75 each.

Transcripts of academic records are subject to these fees: first three free, \$1.00 thereafter; multiple orders at one time—\$1.00 for first transcript, \$.25 for each additional copy.

Appeal of Academic Policies

A student seeking to waive a graduation requirement or similar academic policy should see any of the following to determine the procedure if an appeal is necessary: Assistant to the Vice President for Academic Affairs, Registrar, or Dean of Business and Applied Arts.

The student completes an appeal form including a faculty advisor's statement and signature, submits the form to the Office of Academic Affairs, and requests the Registrar's Office to forward a permanent record transcript to the Assistant to the Vice President for Academic Affairs.

The Committee on Academic Appeals will review the appeal and submit a recommendation to the Vice President for Academic Affairs, who will make the final decision to approve or deny the appeal.

A student who is not satisfied with the decision of the Vice President may submit a written appeal to the President of the University.

Non-Discrimination

Moorhead State University does not discriminate on the basis of race, color, creed, religion, national origin, age, sex, marital status, or status with regard to public assistance or disability.

Through an active and continuing affirmative action program, the University attempts to provide equal opportunity and treatment in employment, admissions, academic programs, and all other activities.

Inquiries concerning compliance with federal or state laws prohibiting such discrimination should be directed to the University Affirmative Action Officer or Title IX Coordinator.

College Expenses

Because the State of Minnesota provides support for the costs of education at Moorhead State University, students are able to complete their studies with less expense than at most other colleges and universities.

These costs usually fall into three categories: tuition and fees, housing and meals, and incidental and personal expense.

Following is a table of fixed costs for the 1976-77 school year for students carrying a normal class load of 16 credits per quarter:

	<i>Resident</i>	<i>Non-Resident</i>
Tuition	\$ 444	\$ 888
Fees	129	129
Housing & Meals	1,143	1,143

Incidental and personal expenses—books and supplies, clothing, laundry, recreation, etc.—may range from \$450 to \$750 depending on needs and desires. Therefore, total costs range upward from \$2160 as a Minnesota-North Dakota-Wisconsin resident and from \$2460 as a resident of another state.

Tuition

Tuition charges are based upon the quarter credit unit and vary according to the status of the student and the type of course:

Type of course	Resident	Non-Resident
Undergraduate	\$ 9.25	\$18.50
Graduate	12.00	23.25

Tuition rates are subject to change without advance notice by the Minnesota State University Board, which establishes uniform rates for all Minnesota State Universities.

Resident or Non-Resident Status

Specific criteria have been adopted by the Minnesota State University Board to define those students eligible for the benefits of Minnesota resident tuition rates.

Residents of North Dakota and Wisconsin shall qualify for resident tuition under reciprocity agreement procedures rather than by criteria listed below.

A student is entitled to resident status by meeting any one of the following qualifications:
(A) Graduation from a Minnesota high school within two calendar years of applying for admission to college at MSU.

(B) Graduation from a Minnesota high school followed by substantially continuous residence in Minnesota.

(C) Service in the U.S. Armed Forces for at least 190 days other than for training purposes only.

(D) Employment in Minnesota on a full-time basis subject to Minnesota income taxation for at least one continuous year prior to enrollment as a full-time college student.

(E) Legal dependent or ward of any person stationed outside the continental United States as a Federal employee or member of the U.S. Armed Forces.

(F) Establishment as being of Indian heritage under the definition of Minnesota Statute 124.48.

(G) Legal dependent or spouse of any person who qualifies as a Minnesota resident under one of the criteria above. It is further stipulated that the student must be living with his or her spouse at a place of residence within the State of Minnesota in order to be qualified.

Resident tuition will be charged on a temporary basis for students appointed to graduate assistantships.

Resident tuition will be charged for teachers in school districts under student teaching contracts with Moorhead State University in special workshops arranged by cooperation between the university and the school districts.

North Dakota-Wisconsin Tuition Reciprocity

Residents of North Dakota and Wisconsin may qualify for resident tuition rates at Moorhead State University by complying with procedures

of the reciprocal agreements between those states and the State of Minnesota. Eligibility must be renewed each year for the fall quarter.

Reciprocity application forms are available from the Admissions and Records Office to be completed, notarized, and submitted to the higher education authority in the student's home state. Notary services are available at most banks and courthouses or at the Moorhead State University Business Office or the Office of Student Personnel Services.

North Dakota and Wisconsin students will be charged resident tuition only if Moorhead State has been notified of their approval for reciprocity status by the appropriate higher education authority prior to regular billing dates.

Qualified students who are billed for non-resident tuition may pay resident rates or receive refunds by providing evidence of their official approval within two weeks after the first class day. Copies of letters from their home state approving agencies will be satisfactory for this purpose. Payment deadlines may not be deferred to await approval.

Applications should not be submitted to Moorhead State but should be mailed directly to home state approving agencies.

Previous Minnesota residents and students who qualify for resident tuition under special Minnesota regulations shall be required to apply for reciprocity if they are residents of North Dakota or Wisconsin.

Comprehensive Student Fee

All students enrolling for regular instruction (resident credit) courses are assessed a comprehensive student fee not to exceed \$43 per quarter.

Fee assessments are required by the Minnesota State University Board to defray costs of maintaining such essential university services as student union operation and debt retirement, health services, and co-curricular programs or activities.

Comprehensive fees are required of all students enrolled for credit applicable to resident degree requirements, including student teaching, internships, and other instruction which may not be located on the university campus.

Housing and Food Service Costs

Residence hall and food service rates are established by the Minnesota State University Board for all Minnesota State Universities and are subject to change without notice.

Combined housing and food service costs (21 meals weekly) are \$381 per quarter for double rooms and \$433 for single rooms.

Students may elect to contract for residence hall accommodations without food service at the rates of \$196 per quarter for double rooms and \$248 for single rooms.

Students who do not live on campus may contract for meals only (21 per week) at \$200 per quarter.

Payment of Tuition, Fees and Charges

All tuition and fees are payable in full each quarter, on or before the last day of registration designated in the academic calendar.

Students who have any financial obligation to the University with the exception of loans scheduled to mature at a future date, may be prevented from registering for classes until their obligation is met.

Room and Board charges are payable in full at the beginning of each quarter or in three advance installments by special arrangement with the Business Office.

Refund of Payments

Students who withdraw from college may apply for a refund of a portion of their tuition and fees.

No refund is paid if the amount is less than \$1.00.

Following is a schedule of the percentage of refund that will be made according to the time of withdrawal:

During Regular School Year

On or before the 5th class day – 80%

6th through 10th class day – 60%

11th through 15th class day – 40%

16th through 20th class day – 20%

After 20th class day – None

During Summer Session

On or before 5th class day – 60%

6th through 10th class day – 20%

After 10th class day – None

Off-Campus Courses

On or before 4th class session – 50%

After 4th class session – None

Room and board refunds are based on the number of weeks of residency.

Transcript Fees

Three transcripts of a student's record are issued without charge at his request.

A charge of \$1 is made for each additional transcript except that when more than one transcript is requested at one time the charge is \$1 for the first copy and \$.25 for each additional copy.

No transcript will be issued unless all admission requirements have been met and all financial obligations have been paid except for loans scheduled to mature at a future date. A student is entitled to receive an unofficial copy of the permanent record regardless of unmet academic or financial obligations.

curricula

Accounting

Areas of Study: Accounting, Business Law.

Major in Accounting (B.A.)

Core Requirements in Business 34 credits

Acct 229-230-231 Elementary Accounting I-II-III (10)

Acct 310-311-312 Business Law I-II-III (12)

Mktg 310 Principles of Marketing (4)

MgmS 360 Principles of Management (4)

Finc 341 Corporate Finance II (4)

Accounting Courses 40 credits

Acct 242-243-244 Work Experience I-II-III (3)

Acct 330-331-332 Intermediate Accounting I-II-III (9)

Acct 350-351-352 Cost Accounting I-II-III (9)

Acct 355 Government Accounting (3)

Acct 430-431-432 Advanced Accounting I-II-III (9)

Acct 450-451-452 Federal and State Tax I-II-III (9)

Acct 460-461 Auditing I-II (6)

Acct 469 Student Internship (4-16)

Acct 470 Accounting Systems (4)

Acct 480 CPA Review (4)

Acct 530 Managerial Accounting (4)

Requirements in Related Fields 24 credits

Econ 201-202-203 Principles of Economics I-II-III (12)

Math 273 Math for the Social and Behavioral Sciences (4)

Math 274 Intro to Statistics (4)

ComS 150 Intro to Digital Computers (4)

Minor in Accounting 24 credits

The following minor is open to business majors only and requirements are in addition to accounting courses in the major. Acct 330-331-332 Intermediate Accounting I-II-III (9). Approved electives in accounting selected from the following areas (15):

Federal and State Income Taxes

Advanced Accounting

Cost Accounting

Auditing

Minor in Business Accounting 32-34 credits

The following may not be selected by a business major and is designed to supplement the program of any student majoring in another area.

Acct 229-230-231 Elementary Accounting I-II-III (10)

Acct 310 or 312 Business Law I or III (4)

Acct 330-331-332 Intermediate Accounting I-II-III (9)

Approved electives in accounting (at least 9)

BEd 440 Methods of Teaching Bookkeeping and Typing (2) (required for the B.S. Teaching degree)

Associate in Science in Accounting

(Two-Year Program - 96 credits)

General Studies 42 credits

Engl 101-102-103 Freshman Composition and Literature I-II-III (12)

Additional General Studies courses, including at least 6 credits in each of the distributional areas. Econ 201 and Math 121 should be included.

Requirements in Business and Accounting 32 credits

Acct 310 Business Law I (4)

BEd 207 Business Communications and Report Writing (4)

Additional Courses in Accounting (at least 24 credits)

Related Requirements in Other Fields 8 credits

Econ 201 Principles of Economics I (4)

Math 121 College Algebra (4)

Agriculture

Cooperative Degree Program

Although no courses in this field are offered at MSU, a cooperative agreement with North Dakota State University permits a student to take 3 years of courses as an MSU student, concurrently pursuing courses in this specialty at NDSU. The student need only transfer for the fourth year to North Dakota State University, may pay in-state tuition under a reciprocity agreement and will receive the degree from that institution.

American Studies

The American Studies Program provides an opportunity to study the American culture from an interdisciplinary perspective. Students explore impact, through time, of myths, images, and ideas on the American culture, including the growing impact of technology and mass communication.

Students who may be interested in this program include:

Those who desire a liberal arts education with a focus on the American culture.

Those seeking preparation for graduate work in American Studies or in related disciplines.

Those who desire to pursue a double major in order to study a specific interest within the context of the American culture.

Those who plan to engage in professions such as public relations, editing and publishing, library and museum work, teaching, government service, journalism, or social service where a broad knowledge of American culture is desirable. The major is also appropriate for pre-law and pre-theological students.

Major in American Studies (B.A. Degree) 36-44 credits

AmSt 217 Introduction to the American Culture (4)

AmSt 317 Topics in American Culture (4)

AmSt 417 Seminar in American Culture (4)

Two courses in each of the following areas: (24-32)

Social Sciences

Fine Arts or Mass Communications

American Literature

American History

Requirements in Related Fields 26-34 credits

In addition to the major course requirements, the student will choose electives from a wide selection of approved courses in American subjects, offered by cooperating departments. In cooperation with the coordinator, each student designs a program to satisfy individual interests and professional goals.

Anthropology

See Sociology-Anthropology for Curricula.

Architecture

Cooperative Degree Program

Although no courses in this field are offered at MSU, a cooperative agreement with North Dakota State University permits a student to take three years of courses as an MSU student, concurrently pursuing courses in this specialty at NDSU. The student need only transfer for the fourth year to North Dakota State University, may pay in-state tuition under a reciprocity agreement and will receive the degree from that institution.

Art

Areas of Study: Ceramics, Graphic and Applied Design, Painting, Photography and Film, Printmaking, Sculpture, Art Education

Ceramics

Options include all handbuilding techniques, wheel-thrown stoneware, special clays and glazes such as Raku and low-fire bright glazes, glaze chemistry, and kiln history, design and operation as well as arranged projects of the student's own choosing. Internships available at Senior level.

Graphic Design

The student may select a combination of the following as a specialization: illustration, package design, symbol design, typographic design, photographic design, exhibition systems design, design for television and film, publication and poster design, and many others. Internships are available within the field.

Painting

Individual studio work in painting may consist of work in any of the various media and techniques, including but not limited to traditional oil glaze techniques, impasto, wet into wet, palette knife or brush techniques, acrylic, brush, impasto, glaze, stain and airbrush techniques. Encaustic, egg tempera, gouache, watercolor, thermoplastics, collage, assemblage, polyurethane foam, lacquer, enamel, as well as more unusual media may be investigated in a variety of ways.

Areas of specialization, independent of media and techniques, include but are not limited to, any, or any combination of the following: Traditional representational, surrealist, realist, expressionist, abstract expressionist, color field, pop, constructivist, perceptual abstraction, funk, psychedelic, symbolic, kinetic, or post-object art forms. Internships available.

Photography and Film

Studio in creative approach to photography, developing, printing, toning, solarization, posterization, photoscreen process and other experimental extensions beyond basic photography. Creative emphasis on art film making, computer graphics, animation, video tape, cinema, slide presentation and multi-media. Internships available.

Printmaking

The student may choose one or a combination of the following printmaking media: relief printing, intaglio printing, lithography, serigraphy, and photo silk screen. Internships available.

Sculpture

Studio in traditional and contemporary materials, techniques and philosophy. Modeling, carving, mold-making and welding. Casting media include plaster, hydrostone, dripped lead, bronze, aluminum, concrete, polyester resins and polyurethane foam. Carving media are wood and stone. Internships available.

Art Education

Preparation for teaching art in the public schools, including required methods courses on the application of aesthetic principles and visual art elements to the progressive development of various age groups. The student may undertake additional field experiments and research in the schools.

Levels of Study

100 series. introduction to all major areas of concentration with emphasis on media and concept. May be taken by beginning students.

200 series. investigation of specialized areas of interest chosen and explored within the introductory series with emphasis on media and concept. May be taken after corresponding introductory course and completion of 20 art credits.

300 series. refinement of previous acquired introductory knowledge and experimentation in the 200 level, now with increased conceptual emphasis. May be taken after corresponding introductory course and 40 art credits.

400 series. professional preparation for presentation and evaluation of works with emphasis on exhibition and career planning in areas of personal development, commissioned works, education or public visual communications. May be taken after corresponding introductory course and 60 art credits.

Retention of Student Art

The Art Department reserves the right to select and retain student works produced in conventional and contract art classes under faculty direction and consultation. The samples selected are used in art instruction and displays demonstrating the levels of competency achieved in studio art course work.

The Art student may reserve the right to apply for reimbursement for the costs of the materials used in the works retained.

Year-End Evaluation Juries

In order to help students evaluate their progress and their prospects of success as artists or art educators the Art Department requires all art majors to submit representative pieces yearly for jury evaluation. These evaluation committees will meet yearly toward the end of the spring quarter. Prerequisite for next level of studio art courses.

Requirement For Student Senior Exhibition

During the senior year each art major must present an exhibition containing representative pieces of work done in art courses throughout the advanced years of study. This exhibit is to be independently designed and constructed by the student and is to be accepted as a partial fulfillment of the condition for graduation by a select committee constituted of members of the faculty of the Art Department. For descriptions of criteria and requirements for specific area of concentration, consult with major advisor.

Major in Art (B.A. Degree) 80 credits

Foundation Studies in Art (16)
Introductory Studio Courses (6-8)
Art Survey and History (20)
Seminars in Art (6)
Art Concentration (18)
Art Electives or Internships (12-14)
Senior Exhibition

Major in Art Education 80 credits

Foundation Studies in Art (16)
Introductory Studio Courses (9-12)
Art Survey and History (20)
Art Education Method Courses (7)
Seminars in Art (6)
Art Concentration (9)
Art Electives or Internships (10-13)
Senior Exhibition

(All Teacher Education Requirements shall be fulfilled to complete this major.
See ACADEMIC INFORMATION.)

Minor in Art 40 credits

Art 100 Elements of Art (3)
Art 101 Basic Drawing I (4)
Introductory Studio Courses (12)
Art Survey or Art Appreciation (6-8)
Art Concentration (8)
Art Electives (5-7)

Minor in Art Education 40 credits

Art 100 Elements of Art (3)
Art 101 Basic Drawing I (4)
Art 150 Introduction to Ceramics (3)
Art 158 Introduction to Printmaking (4)
Art 162 Introduction to Watercolor (4)
Art Survey or Art Appreciation (6-8)
Art 442 Studies in Elementary School Art (3)
Art Electives (12-14)

(This minor can be awarded only in combination with at least one teaching major.)

Astronomy

See Physics-Astronomy for Curricula.

Audiovisual Education

See Media Education for Curricula.

Biology

Areas of Study: Biology, Medical Technology, Botany, Zoology.

Majors in Biology

The requirements for the major in biology are set forth in detail below.

The non-teaching biology major and teaching biology major are very similar, differing only in certain additional study required for teacher certification. In addition to the core of required courses, opportunity for specialization is provided by advanced electives. Chemistry, physics, and mathematics are also emphasized in the biology curriculum, and most biology majors are advised to complete a chemistry minor. Students with either of the biology majors are well prepared to pursue graduate work or career opportunities in a wide variety of industrial and governmental areas. Transfer students wishing to complete the biology major or those who already have a degree but are completing certification requirements must complete at least 8 credits in the Department of Biology at Moorhead State University regardless of the number of transfer credits accepted towards the major.

Major in Biology (B.S. Degree)

Major Requirements in Biology 50 credits

Biol 111 Cell Biology (4)
Biol 112 General Zoology: Invertebrate (4)
Biol 113 General Zoology: Vertebrate (4)
Biol 122-123 General Botany I-II (8)
Biol 341 Genetics (4)
Biol 345 Principles of Ecology (4)
Biol 348 Organic Evolution (4)
Biol 350 Microbiology (4)

One of the following (4):

Biol 306 Animal Physiology
Biol 424 Plant Physiology
Biol 450 Cell Physiology

Any two of the following (2):

Biol 481, 482, 483 Biology Seminar I-II-III

Additional Electives in Biology (8)

(Selected from 300 and 400 level courses)

Requirements in Related Fields 51 credits

Chem 111-112-113 General Chemistry (12)
Chem 111L-112L-113L General Chemistry Laboratory (3)

Phys 111-112-113 Elementary Physics I-II-III (12)

Mathematics (at least 12 credits, excluding Math 100 and 203; to be determined by previous math preparation and including no more than one course in Computer Science. Must include Math 133, Trigonometry or the high school equivalent.)

Additional Approved Electives in Chemistry, Physics, or Mathematics (At least 12 credits).

**Major in Biology - Life Science (Teaching)
(B.S. Degree)**

Major requirements in biology and related field include all of those required in the non-teaching major, above.

Major requirements in Biology 50 credits
Requirements in Related Fields 51 credits

**Additional certification requirements in science
(15 credits)**

Biol 440 Biology Methods for Secondary Schools (3)
Geol 115 Physical Geology (4)
Geol 116 Historical Geology (4)
Geog 241 Elementary Meteorology (4)

(All Teacher Education Requirements must be fulfilled to complete this major. See Academic Information.)

Major in Medical Technology (B.S. Degree)

It is essential that the student works closely with the Medical Technology advisor to establish a well coordinated program and to meet the prerequisites and properly file an application for the hospital year of internship in clinical education. Certification is granted upon completion of the National Registry Examination taken after the year of internship.

Major Requirements in Biology 36 credits

Biol 111 Cell Biology (4)
Biol 112 General Zoology: Invertebrate (4)
Biol 113 General Zoology: Vertebrate (4)
Biol 302 Histology (4)
Biol 306 Animal Physiology (4)
Biol 343 Microtechnique (4)
Biol 350 Microbiology (4)
Biol 410 Parasitology (4)
Biol 470 Immunology (4)

Requirements in Related Fields 39 credits

Chem 111-112-113 General Chemistry I-II-III (12)
Chem 111L-112L-113L General Chemistry Laboratory (3)
Chem 237-238-239 General Organic Chemistry I-II-III (9)
Chem 237L-238L-239L General Organic Chemistry Laboratory (3)
Chem 461, 464 and 462, 465 Biochemistry I-II (8)
Mathematics (At least 4 credits to be determined by previous preparation; may include ComS or Statistics listed below)
Recommended Electives in Related Fields
ComS 100; Math 274; Physics 111, 112, 113;
Chem 222, 463, 466.

Internship in Clinical Education 52 credits

This requirement is fulfilled when the student completes the year of internship in Clinical Education at an accredited hospital. The hospitals with which Moorhead State University is affiliated are listed below. This affiliation does not automatically grant student admission to the hospital's internship program.

Midway Hospital, St. Paul, Minnesota
Bethesda Lutheran Hospital, St. Paul, Minnesota
Penrose Hospital, Colorado Springs, Colorado
United Hospitals, Inc., Miller Division,
St. Paul, Minnesota
St. Luke's Hospital, Fargo, North Dakota
St. Alexius Hospital, Bismarck, North Dakota

Minors in Biology, Botany, and Zoology

The complete program in any of these minors must be approved by the chairman of the Department of Biology. The student is urged to arrange for consultation with an advisor in the department early in his collegiate career. Transfer students must complete at least 8 credits in the Department of Biology at Moorhead State University regardless of the number of transfer credits accepted toward completion of the minor.

Requirements for the Minor in Biology 32 credits

Biol 111 Cell Biology (4)
Biol 112 General Zoology: Invertebrate (4)
Biol 113 General Zoology: Vertebrate (4)
Biol 122-123 General Botany I-II (8)
Plus 12 credits in biology to be selected from those required for the major.

Requirements for the Minor in Botany 28 credits

Biol 111 Cell Biology (4)
Biol 122-123 General Botany I-II (8)
Approved Electives in Botany (16)

Requirements for the Minor in Zoology 28 credits

Biol 111 Cell Biology (4)
Biol 112 General Zoology: Invertebrate (4)
Biol 113 General Zoology: Vertebrate (4)
Approved electives in Zoology (16)

**Requirements for the Minor in Biology –
Life Science (Teaching) 71-74 credits**

Minor requirements in biology include those required in the non-teaching minor, above.

Requirements for the Minor in Biology 32 credits

Biol 440 Biology Methods for Secondary Schools (3)
or a methods course in one of the areas of
Natural Science

Additional certification requirements in Science:

Chem 111-112-113 General Chemistry (12)
Chem 111L-112L-113L General Chemistry Laboratory (3)
Physics 111-112-113 Elementary Physics (12)
Geol 115 Physical Geology (4)
Geol 116 Historical Geology (4)
Geog 241 Elementary Meteorology (4)

(This minor can be awarded only in combination with at least one teaching major.)

Business Administration

Areas of Study: Management, Marketing, Finance, Business Administration, Hotel-Motel-Restaurant Management

The Business Administration Department, has approximately 500 majors, and is one of seven departments in the Division of Business, Industry, and Applied Programs. Students enjoy a high degree

of flexibility when choosing from the Department's eight degree programs and 75 courses. An increasing number of students from other disciplines at Moorhead State University choose one of the Department's five Minor programs.

In addition to providing excellent depth in degree programs and courses, the Department offers students rich and varied non-traditional experiences. Students may earn up to 16 credits in an internship program which consists of supervised managerial training in one of the local or regional business firms. Consulting experience can be gained through the Department's participation in the Small Business Administration's Management Counseling Program. Teams of students visit small local businesses and attempt to apply classroom techniques to real-world business problems. Students enjoy other benefits as a result of the Departmental policy of offering approximately 40% of its classes at night. In addition to creating greater opportunities for part-time employment, the evening classes generate an interesting mix of students. The heterogeneity of ages and backgrounds often produces stimulating classroom discussion. While the basic programs in the Business Administration Department contain an excellent variety of courses, a student may pursue a subject in even greater depth through an Independent Study course which consists of a faculty-supervised research and reading project.

Four Year Programs

Each of the Department's four-year programs has the following graduation requirements:

General Studies	64
Core Requirements	34
Major Requirements	24
Major Electives	16
Free Electives	54
TOTAL	192 Credits

Included in the 64 credits of General Studies courses are the following 24 credits of required courses:

- Econ 201 Principles of Economics I (4)
- Econ 202 Principles of Economics II (4)
- Econ 203 Principles of Economics III (4)
- ComS 150 Introduction to Digital Computers (4)
- Math 274 Introduction to Statistics (4)

Core Requirements in Business 34 credits

(Marketing, Management Science, Finance and Business Administration)

- Acct 229 Elementary Accounting I (3)
- Acct 230 Elementary Accounting II (3)
- Acct 231 Elementary Accounting III (4)
- Acct 310 Business Law I (4)
- Acct 311 Business Law II (4)
- Acct 312 Business Law III (4) or
Mgmt 315 Government & Business (4)
- Finc 340 Corporation Finance I (4)
- Mktg 310 Principles of Marketing (4)
- Mgmt 360 Principles of Management (4)

Major in Marketing (B.A. Degree)

Core Requirements in Business 34 credits

Marketing Requirements (24 credits)

- Mktg 311 Marketing Management (4)
- Mktg 321 Consumer Behavior (4)
- Mktg 322 Marketing Intelligence (4)
- Mktg 323 Marketing Communications (4)
- Mktg 410 Marketing Logistics (4) or
Mgmt 430 Managerial Economics (4) or
Mgmt 455 Quantitative Decision Making (4)
- Mktg 442 Marketing Seminar (4)

Marketing Electives (16 credits minimum)

Electives from Sociology, Psychology, Math, and Computer Science MAY BE approved by an advisor.

- Mktg 410 Marketing Logistics (4)
- Mktg 415 Industrial Marketing (4)
- Mktg 420 Marketing Channels & Institutions (4)
- Mktg 421 Retail Management (4)
- Mktg 430 Sales & Sales Management (4)
- Mktg 441 Social Issues in Marketing (4)
- Mktg 470 Independent Study (1-4)
- Mktg 498 Problems in Marketing (1-4)
- Mgmt 430 Managerial Economics (4)
- Mgmt 455 Quantitative Decision Making (4)
- Mgmt 456 Management Information Systems (4)
- Econ 225 Intermediate Macroeconomics (4)
- Econ 250 Intermediate Microeconomics (4)
- Econ 410 Advanced Microeconomics (4)
- MC 215 Visual Communications (3)
- MC 318 Advertising Principles (3)
- MC 350 Basic TV Production (3)
- MC 410 Public Information Process (3)
- MC 416 Advertising Copywriting (3)
- MC 419 Advanced Advertising/Public Relations (3)
- Soc 350 Social Research I (4)
- Soc 351 Social Research II (4)

Independent Study in Marketing

- (4 credits may count as Marketing Electives)
- Mktg 242 Work Experience I (1)
- Mktg 243 Work Experience II (1)
- Mktg 242 Work Experience III (1)
- Mktg 469 Internship (3-16)

Major in Management (B.A. Degree)

Core Requirements in Business 34 credits

Management Requirements (24 credits)

- Mgmt 420 Formal Organizations (4)
- Mgmt 421 Executive Decision Making (4)
- Mgmt 430 Managerial Economics (4) or
Mgmt 416 Labor Economics (4)
- Mgmt 440 Personnel Management (4) Or
Mgmt 451 Human Relations in Business (4)
- Mgmt 455 Quantitative Decision Making (4) or
Mgmt 456 Management Information Systems (4)
- Mgmt 460 Managerial Policy (4)

Management Electives (16 credits minimum)

- Electives from Sociology, Psychology, Math, Computer Science, or Hospital Administration MAY BE approved by an advisor.
- Mgmt 315 Government & Business (4)
- Mgmt 405 Small Business Management (4)
- Mgmt 416 Labor Economics (4)

Mgmt 430 Managerial Economics (4)
 Mgmt 440 Production Management (4)
 Mgmt 451 Human Relations in Business (4)
 Mgmt 455 Quantitative Decision Making (4)
 Mgmt 461 Management Seminar (4)
 Mgmt 498 Problems in Business Administration (1-4)
 Econ 225 Intermediate Macroeconomics (4)
 Econ 250 Intermediate Microeconomics (4)
 Econ 316 Labor History (4)
 Pol 240 Public Administration (4)

Independent Study in Management

(4 credits may count as Management Electives)

Mgmt 242 Work Experience I (1)
 Mgmt 243 Work Experience II (1)
 Mgmt 244 Work Experience III (1)
 Mgmt 469 Internship (3-16)

Major in Finance (B.A. Degree)

Core Requirements in Business (34 credits)

Finance Requirements (24 credits)

Finc 320 Money and Banking (4)
 Finc 341 Corporate Finance II (4)
 Finc 342 Financial Decision Making (4)
 Finc 456 Principles of Investment (4)
 Finc 457 Security Analysis (4)
 Finc 458 Portfolio Management (4)

Finance Electives (16 credits minimum)

Finc 321 Banking Policy (4)
 Finc 330 Credit and Collection (4)
 Finc 350 Public Finance (4)
 Finc 351 Principles of Insurance (4)
 Finc 352 Life Insurance (4)
 Finc 353 Health & Social Insurance (4)
 Finc 354 Real Estate I (4)
 Finc 355 Real Estate II (4)
 Finc 425 International Trade & Finance (4)
 Finc 498 Problems in Finance (1-4)
 Mgmt 315 Government & Business (4)
 Mgmt 430 Managerial Economics (4)
 Mgmt 455 Quantitative Decision Making (4)
 Mgmt 456 Management Information Systems (4)
 Econ 225 Intermediate Macroeconomics (4)
 Econ 250 Intermediate Microeconomics (4)
 Econ 325 Economic Fluctuations (4)
 Econ 370 Quantitative Economic Analysis (4)
 Econ 380 Economic & Social Security (4)
 Econ 415 Industrial Organization & Public Policy (4)

Independent Study in Finance

(4 credits may count as Finance Electives)

Finc 242 Work Experience I (1)
 Finc 243 Work Experience II (1)
 Finc 244 Work Experience III (1)
 Finc 469 Internship (3-16)

Major in Business Administration (B.A. Degree)

Core Requirements in Business (34 credits)

Business Administration Requirements (39-40 credits)

One course from the following:

Spch 100 Speech Communication (4)
 BEd 207 Business Communications (4)
 Engl 286 Practical Writing (3)

Thirty-six (36) credits from 3 of the following areas. Twelve (12) credits must be taken in each of the 3 areas: Accounting, Economics, Finance Management, Marketing. (See courses in these areas.)

A maximum of 3 credits of work experience can be counted towards the major requirements. A maximum of 4 credits of work experience plus internship can be counted towards the major requirements.

Major in Hotel-Motel-Restaurant Management (B.S. Degree)

Core Requirements (34 credits)

Acct 229 Elementary Accounting I (3)
 Acct 230 Elementary Accounting II (3)
 Acct 231 Elementary Accounting III (4)
 Acct 310 Business Law I (4)
 Acct 311 Business Law II (4)
 Finc 340 Corporate Finance I (4)
 Mgmt 360 Principles of Management (4)
 Mgmt 405 Small Business Management (4)

HMR Professional Requirements (24 credits)

HMR 342 HMR Management (4)
 HMR 343 Food & Beverage Management (4)
 HMR 346 Accounting (3)
 HMR 350 HMR Maintenance (2)
 HMR 410 Property Management (3)
 HMR 420 Innkeeper's Design & Aesthetics (4)
 HMR 450 Innkeeper's Liability (4)

HMR Electives (16 credits minimum)

HMR 498 Problems in HMR (1-4)
 Finc 351 Principles of Insurance (4)
 Finc 354 Real Estate I (4)
 Mgmt 440 Personnel Management (4)
 Mgmt 451 Human Relations in Business (4)
 Mgmt 455 Quantitative Decision Making (4)
 Mgmt 456 Management Information Systems (4)
 Mktg 322 Marketing Intelligence (4)
 Mktg 323 Marketing Communications (4)
 Econ 416 Labor Economics (4)
 MC 200 Introduction to Mass Communications (3)
 MC 215 Visual Communications (3)
 MC 318 Introduction to Advertising (3)
 T&C 120 Textiles and the Consumer (3)
 T&C 122 Institutional Housekeeping I (4)
 T&C 123 Institutional Housekeeping II (4)
 T&C 432 Textile Purchasing (3)
 F&N 141 Food Selection & Preparation (3)
 F&N 241 Meal Management (3)
 F&N 345 Institutional Food Purchasing (3)
 F&N 346 Quantity Food Production (5)

Independent Study in HMR

(4 credits may count as HMR Electives)

HMR 310 Food Administration Practicum (2-4)
 HMR 312 Beverage Administration Practicum (2-4)
 HMR 314 Motel Administration Practicum (2-4)
 HMR 316 Hotel Administration Practicum (2-4)

Two Year Programs

The Department of Business Administration offers an Associate of Science degree in two fields:

(1) Marketing, and (2) Business Administration.

The 96 credits of requirements are as follows:

General Studies (42 credits)

Econ 201 Principles of Economics (4)

Econ 202 Principles of Economics II (4)

Econ 203 Principles of Economics III (4)

Math 121 College Algebra (4)

Other Selected Courses (26)

Core Requirements (10 credits)

Acct 229 Elementary Accounting I (3)

Acct 230 Elementary Accounting II (3)

BEd 207 Business Communications (4)

Major Requirements (28 credits)

The AS degree in Marketing requires 28 credits of selected marketing courses. The AS degree in Business Administration requires 28 credits of selected Business Administration courses.

Free Electives (16 credits)

Minor Programs

Marketing

Marketing Minor for Bus Adm, Mgmt, Finc, HMR, Acct, and BEd majors.

24 credits of marketing courses above the marketing requirement in each of the majors. Marketing courses which satisfy major requirements cannot be used to satisfy Marketing Minor requirements.

Marketing Minor for other majors:

Econ 100 The American Economy (4) or

Econ 201 Principles of Economics I (4)

Acct 229 Elementary Accounting I (3)

Acct 230 Elementary Accounting II (3)

Marketing Electives (24)

Management

Management Minor for Bus Adm, Mktg, Finc, HMR, Acct, and BEd majors

24 credits of management courses above the management requirement in each of the majors.

Management courses which satisfy major requirements cannot be used to satisfy Management Minor requirements.

Management Minor for other majors:

Econ 100 The American Economy (4) or

Econ 201 Principles of Economics I (4)

Acct 229 Elementary Accounting I (3)

Acct 230 Elementary Accounting II (3)

Management Electives (24)

Finance

Finance Minor for Bus Adm, Mktg, HMR, Acct, and BEd majors

24 credits of finance courses above the finance requirement in each of the majors. Finance courses which satisfy major requirements cannot be used to satisfy Finance Minor requirements.

Finance Minor for other majors:

Econ 100 The American Economy (4) or

Econ 201 Principles of Economics I (4)

Acct 229 Elementary Accounting I (3)

Acct 230 Elementary Accounting II (3)

Finance Electives (24)

Business Administration

Business Administration Minor for Mktg, Finc, HMR, Acct, Mgmt, and BEd majors.

8 credits in each of 3 of the following areas: management, marketing, finance, economics, accounting – beyond those courses required for the major. If the major is Mgmt, for example, the 3 areas must be from Marketing, Finance, Accounting or Economics.

Business Administration Minor for other majors:

Econ 100 The American Economy (4) or

Econ 201 Principles of Economics I (4)

Acct 229 Elementary Accounting I (3)

Acct 230 Elementary Accounting II (3)

Marketing Electives (8)

Management Electives (8)

Finance Electives (8)

Hotel-Motel-Restaurant Management

Hotel-Motel-Restaurant Management minor for Mktg, Finc, Bus Adm, Acct, Mgmt, and BEd majors.

24 credits of Hotel-Motel-Restaurant courses.

Hotel-Motel-Restaurant Minor for other majors:

Econ 100 The American Economy (4) or

Econ 201 Principles of Economics I (4)

Acct 229 Elementary Accounting I (3)

Acct 230 Elementary Accounting II (3)

HMR Electives (24)

Business Education

The Business Education Department offers teaching majors in Business Education and Distributive Education, a teaching minor in Business Education, and an Associate of Science in Secretarial Science.

Major in Business Education

Core Requirements in Business Education 32 credits

Acct 229-230-231 Elementary Accounting I-II-III (10)

Acct 310 Business Law I (4)

BEd 90 Basic Typewriting (Non-credit) or equivalent proficiency

BEd 207 Business Communications and Report Writing (4)

BEd 210-211 Typewriting I-II (4)

BEd 440 Methods of Teaching Bookkeeping and Typewriting (2)

Mgmt 360 Elements of Business Management (4)

Mktg 310 Principles of Marketing (4)

Major Requirements in Business Education (24-27 credits)

One of the following Areas of Specialization:

(A) Accounting and Data Processing

Acct 330-331-332 Intermediate Accounting I-II-III (9)

Acct 450 Federal and State Tax I (3)

ComS 151 Computer Programming I (4)

ComS 155 Data Processing (4)

ComS 255 Advanced Data Processing (3)

or ComS 152 Computer Programming II (4)

(B) Secretarial

BEd 212 Typewriting III (2)

BEd 220-221-222 Shorthand I-II-III (12)

BEd 321 Communications Machines (1)

BEd 322 Office Machines (2)

BEd 323 Secretarial Administration (3)

BEd 324 Dictation and Transcription (3)

BEd 330 Office Management (4)

BEd 441 Methods of Teaching Shorthand (1)

(C) Clerical

BEd 212 Typewriting III (2)

BEd 321 Communications Machines (1)

BEd 322 Office Machines (2)

BEd 323 Secretarial Administration (3)

BEd 330 Office Management (4)

Electives in Business or Economics (At least 13 credits)

(D) Basic Business or Economics

BEd 315 Consumer Economics (4)

BEd 442 Methods of Teaching Basic Business and Economics (1)

Econ 320 Money and Banking (4)

Econ 250 Intermediate Micro-Economic Theory (4)

One of the following courses (4):

Econ 315, 350, 415, 416, 420, 430, 440

Econ 350, 415, 416, 420, 430, or 440

Electives in Business or Economics (At least 10 credits)

(E) Comprehensive Program

BEd 212 Typewriting III (2)

BEd 220-221-222 Shorthand I-II-III (12)

BEd 315 Consumer Economics (4)

BEd 321 Communications Machines (1)

BEd 322 Office Machines (2)

BEd 330 Office Management (4)

BEd 441 Methods of Teaching Shorthand (1)

BEd 441 Methods of Teaching Basic Business and Economics (1)

Requirements in Related Fields 16 credits

ComS 100 or *150 Comp/Society or Intro to Digital Computers (4)

Econ 201-202-203 Principles of Economics I-II-III (12)

*For those electing specialization (A)

Recommended Courses for Office Education Certification

DEd 420 Coordination Techniques (3)

DEd 440 Org & Admin of Dist. Ed. (3)

DEd 498 Philosophy of Vocational Educ (3)

BEd 413 Word Processing Methods (3)

BEd 415 Model Office Methods (4)

BEd 443 Coop. - Bus. & Office Methods (4)

(All Teacher Education Requirements must be fulfilled to complete this major. See Academic Information.)

Major in Distributive Education

Requirements in Business and Distributive Education 56 credits

Acct 229-230-231 Elementary Accounting I-II-III (10)

Acct 310 Business Law I (4)

Mgmt 360 Elements of Business Management (4)

DEd 401 Plan Istr. for DE Class (3)

DEd 402 Using Learning Activities (3)

DEd 498 Visual Merchandise (4)

DEd 498 Model Store Meth. & Mat. (4)

Mktg 310 Principles of Marketing (4)

Mktg 311 Marketing Management (4)

Mktg 322 Marketing Intelligence (4)

Mktg 323 Marketing Communications (4)

Mktg 421 Retail Management (4)

Mktg 430 Sales Management (4)

Requirements in Related Fields 16 credits

ComS 100 or 150 Comp/Society or Intro. to Digital Computers (4)

Econ 201-202-203 Principles of Economics I-II-III (12)

Recommended Courses for Distributive Education Certification

DEd 420 Coordination Tech (3)

DEd 430 Voc. Educ. Curriculum (3)

DEd 440 Organization & Adm. (3)

DEd 498 Phil. of Voc. Education (3)

(All Teacher Education Requirements must be fulfilled to complete this major. See Academic Information.)

Minor in Business Education 32 credits

Acct 229-230-231 Elementary Accounting I-II-III (10)

Acct 310 Business Law I (4)

BEd 207 Business Communications and Report Writing (4)

BEd 210-211 Typewriting I-II (4)

ComS 150 Introduction to Digital Computers (4)

Econ 201 Principles of Economics I (4)

BEd 440 Methods of Teaching Bookkeeping and Typewriting (2)

(This minor can be awarded only in combination with at least one teaching major.)

A.S. in Secretarial

(Two Year Program - 96 credits)

General Studies 42 credits

Freshman English

Other General Studies courses, including 6 credits in each of the distributional areas. (Natural Science, Social Science, etc.)

Requirements in Accounting and Business Education (38 credits):

Acct 229-230-231 Elementary Accounting I-II-III (10)

Acct 310 Business Law I (4)

Business Education Courses (At least 24 credits)

Chemistry

The Department of Chemistry at Moorhead State University is on the Approved List of the American Chemical Society.

Two undergraduate majors in chemistry are offered leading to the B.A. degree or the B.S. (non-teaching) degree. The secondary teaching major has been discontinued for all students who will graduate after June 30, 1979. In place of the former chemistry teaching major there is now a physical science teaching major in compliance with the new regulations of the Minnesota State Department of Education. The new regulation applies to all teachers certified after June 30, 1979. (See Physical Science). The chemistry option under the physical science teaching major offers a sound program in chemistry for persons who wish to teach chemistry at the secondary school level. Students who plan to complete the former chemistry teaching major before 1979 should consult the department.

Teaching and non-teaching minors in chemistry are also offered.

A transfer student must earn at least seven credits above the 100-level in chemistry in this department before he can be recommended for student teaching.

Professional Major in Chemistry (B.S. Degree)

The B.S. in Chemistry program provides a strong background for students intending to enter graduate school or to seek employment as professional chemists. The degree meets the requirement of the Committee on Professional Training of the American Chemical Society.

Major Requirements in Chemistry 68 credits

Chem 111-112-113 General Chemistry I-II-III (12)
Chem 111L-112L-113L General Chemistry Laboratory I-II-III (3)
Chem 231-232-233 Organic Chemistry I-II-III (9)
Chem 234-235-236 Organic Chemistry Laboratory I-II-III (6)
Chem 321 Quantitative Analysis (4)
Chem 341-342-343 Physical Chemistry I-II-III (9)
Chem 345-346 Physical Chemistry Laboratory I-II (4)
Chem 421-422 Instrumental Analysis I-II (6)
Chem 452-453 Inorganic Chemistry (6)
Chem 480 Chemistry Seminar (3 quarters, 1 cr. each)
Approved Electives in Chemistry (6)

Requirements in Related Fields 50 credits

Ger 101-102-103 Beginning German I-II-III (15)
or equivalent
Math 231-234 Calculus I-IV (16)
Math 331 Differential Equations (4)
Physics 200-201-202 General Physics I-II-III (15)

Liberal Arts Major in Chemistry (B.A. Degree)

The B.A. curriculum in chemistry is a flexible liberal arts program suitable to a wide variety of students including those in pre-medicine, pre-dentistry and other preparatory programs in the science professions.

Major Requirements in Chemistry 54-56 credits

Chem 111-112-113 General Chemistry I-II-III (12)
Chem 111L-112L-113L General Chemistry Laboratory I-II-III (3)
Chem 231-232-233 Organic Chemistry I-II-III (9)
Chem 321 Quantitative Analysis (4)
Chem 341-342 Physical Chemistry I-II (6)
Chem 345-346 Physical Chemistry Laboratory I-II (4)
Chem 452 Inorganic Chemistry I (3)
Either
(1) Chem 237L-238L-239L General Organic Chemistry Laboratory I-II-III (3) and
Chem 222 Introduction to Instrumental Analysis (4)
Or
(2) Chem 234-235-236 Organic Chemistry Laboratory I-II-III (6)
Either
(1) Chem 361 Introduction to Biochemistry (4) and
Chem 421 Instrumental Analysis I (3)
Or
(2) Chem 461-462 General Biochemistry I-II (6) and
Chem 464-465 General Biochemistry Laboratory I-II (2)

Requirements in Related Fields 28-31 credits

Math 231-232 Calculus I-II (8)
(and any prerequisites, depending on previous study)
Three quarters of physics (111-112-113 or
200-201-202) (12-15)

Minor in Chemistry 34 credits

Chem 111-112-113 General Chemistry I-II-III (12)
Chem 111L-112L-113L General Chemistry Laboratory I-II-III (3)
Electives in Chemistry (19)
(Must include either Chem 237, 237L, 238, 238L or
Chem 341 and 342).

Minor in Chemistry (Teaching) 36 credits

Chem 111-112-113 General Chemistry I-II-III (12)
Chem 111L-112L-113L General Chemistry Laboratory I-II-III (3)
Chem 237-238 General Organic Chemistry I-II (6)
Chem 237L-238L General Organic Chemistry Laboratory I-II (2)
Chem 340 Introduction to Physical Chemistry (4) or
Chem 341-342 (6)
Chem 361 Introduction to Biochemistry (4) or
Chem 461-462 (6)
Chem 380 Teaching Chemistry in the Secondary School (3)

(This minor can be awarded only in combination with at least one teaching major. Also it will not be certifiable in Minnesota unless the certificate is obtained before July 1, 1979.)

Classics

Two years of college Latin are offered when feasible. The second year will be scheduled as a regular class only if the prospective enrollment justifies it; otherwise it may be elected solely on a tutorial basis, by arrangement with the instructor.

Besides work in the Latin language, courses in related subjects—especially art, archeology, Greek and Latin literature in translation, ancient history, and classical philosophy—are available to interested student. Upper-division courses in Latin, and courses in Greek as well, may be taken by Moorhead State University students at Concordia College, under the Tri-College University.

Criminal Justice

See Individualized Major for Curricula.

Computer Science

Major in Computer Science (B.A. Degree)

Major Requirements in Computer Science 53 credits

- ComS 150 Intro to Digital Computers (4)
- ComS 151 Computer Programming I (4)
- ComS 152 Computer Programming II (4)
- ComS 220 Computer & Programming Systems (4)
- ComS 250 Numerical Methods (4)
- ComS 280 Statistical Analysis (4)
- ComS 305 Logical Design of Computers I (3)
- ComS 345 Practicum I (2)
- ComS 370 Information Structures (3)
- ComS 380 Systems Programming (3)
- ComS 405 Logical Design of Computers II (3)
- ComS 410 Compiler Construction (3)
- ComS 445 Practicum II (2)

Electives in ComS (10 credits) (At least 3 must be earned by completing ComS 411, 415, or 425)

Requirements in Related Fields

Mathematics proficiency at the level of Calculus II or above and statistics proficiency at the level of Math 375 or above.

Minor in Computer Science

Minor Requirements in Computer Science 30 credits

- ComS 150 Intro to Digital Computers (4)
- ComS 151 Computer Programming I (4)
- ComS 152 Computer Programming II (4)
- ComS 155 Data Processing (4)
- ComS 220 Computer & Programming Systems (4)
- ComS 345 Practicum I (2)
- Approved Electives in Computer Science (8)

Mathematics proficiency at the level of trigonometry is required.

Major in Computer Science (B.S. Degree) (Teaching)

Major Requirements in Computer Science 53 credits

- ComS 100 Computer Concepts & Society (4)
- ComS 150 Intro to Digital Computers (4)
- ComS 151 Computer Programming I (4)
- ComS 152 Computer Programming II (4)
- ComS 155 Data Processing (4)
- ComS 220 Computer & Programming Systems (4)
- ComS 250 Numerical Methods (4)
- ComS 255 Advanced Data Processing (3)

- ComS 280 Statistical Analysis of Data (4)
- ComS 305 Logical Design of Computers I (3)
- ComS 310 Computers in Education I (3)
- ComS 370 Information Structures (3)
- ComS 380 Operating Systems I (3)
- ComS 430 Computers in Education II (3)
- ComS 431 Teaching Computer Science (3)

Requirements in Related Fields

Mathematics proficiency at the level of Calculus II or above and statistics proficiency at the level of Math 375 or above.

Minor in Computer Science (B.S. Degree) (Teaching)

Minor Requirements in Computer Science 30 credits

- ComS 100 Computer Concepts & Society (4)
- ComS 150 Intro to Digital Computers (4)
- ComS 151 Computer Programming I (4)
- ComS 155 Data Processing (4)
- ComS 250 Numerical Methods (4)
- ComS 255 Advanced Data Processing (3)
- ComS 280 Statistical Analysis of Data (4)
- ComS 310 Computers in Education I (3)
- ComS 430 Computers in Education II (3)

Mathematics proficiency at the level of Trigonometry is required.

Distributive Education

See Business Education for Curricula.

Economics

Major in Economics (B.A. Degree)

Major Requirements in Economics 50 credits

- Econ 201-202-203 Principles of Economics I-II-III (12)
- Econ 225 Intermediate Macroeconomic Theory (4)
- Econ 250 Intermediate Microeconomic Theory (4)
- Econ 290 Introduction to Economic Literature and Methodology (2)
- Econ 317 History of Economic Thought (4)
- Econ 370 Quantitative Economic Analysis (4)

Additional Electives in Economics (20)

Requirements in Related Fields (16-19 credits)

- Math 273 Mathematics for Behavioral and Social Sciences (4)
- Math 274 Introduction to Statistics (4)
- Acct 229 Elementary Accounting I (3)

At least two courses from the following (5-8):

- Acct 230-231 Elementary Accounting II-III
- ComS 150 Introduction to Digital Computers
- ComS 151 Computer Programming I
- ComS 280 Statistical Analysis of Data
- ComS 325 Analysis of Science Data

Students planning to do graduate work in economics are encouraged to take additional mathematics courses, preferably Math 231-234, Calculus I-IV, and to complete at least one full year of a modern foreign language.

See Social Studies major for requirements after that date.

Major in Economics (Social Studies) Teaching)

Only for students graduating by June 1979.
See Social Studies major for requirements after that date.

Major Requirements in Economics 36 credits

Econ 201-202-203 Principles of Economics I-II-III (12)
Econ 250 Intermediate Microeconomic Theory (4)
Econ 320 Money and Banking (4)
Approved Electives in Economics (At least 16 credits)

Requirements in Related Fields 46-49 credits

Acct 229-230-231 Elementary Accounting I-II-III (10)
Math 273 Mathematics for Behavioral and Social Sciences (4)
Math 274 Introduction to Statistics (4)
Hist 101-102-103 Western Civilization I-II-III (12)
Hist 365 (Econ 412) Economic History of the United States (4)
Ed 440 Social Studies in the Secondary School (3)
At least one course in each of the following (9-12):
Anthropology or Sociology
Political Science
Geography

Recommended Electives

Hist 121-122-123 History of the United States I-II-III (9)

(All Teacher Education Requirements shall be fulfilled to complete this major. See ACADEMIC INFORMATION.)

Minor in Economics 26 credits

Econ 201-202-203 Principles of Economics I-II-III (12)
Econ 225 Intermediate Macroeconomic Theory (4) or Econ 250 Intermediate Microeconomic Theory (4)
Econ 290 Introduction to Economic Literature and Methodology (2)
An additional eight (8) credits of APPROVED electives in economics.

Minor in Economics (Social Studies) (Teaching) 39-43 credits

Only for students graduating before July 1, 1979.
See SOCIAL STUDIES major for requirements after this date.

Econ 201-202-203 Principles of Economics I-II-III (12)
Electives in Economics (At least 12 credits)
SST 440 Social Studies in the Secondary School (3)

At least one course in each of the following areas (12-16):

Anthropology or Sociology
History
Geography
Political Science

Education

Areas of Study: Education; Elementary Education, Special Education, Secondary Education, and Graduate Education which includes the above areas and Educational Administration and Counseling and Guidance.

The Education Department offers programs for students desiring to become elementary, secondary or Special Education teachers. Teacher preparation programs follow a Bachelor of Science curriculum. An Associate of Science Degree is available in Early Childhood Education, majors are available in Elementary Education and Special Education (EMR - Educable Mentally Retarded). Minors are offered in Early Childhood Education (Day Care, Nursery), Corrective and Remedial Reading, Learning Disabilities (delayed certification in conjunction with an Elementary or acceptable Secondary Degree program) and Special Education (non-certifiable).

Teaching endorsements or concentrations are available in TMR (Trainable Mentally Retarded) in combination with the Special Education EMR degree and Kindergarten teaching in combination with the Elementary major or certification as well as a Basic Skills program in combination with the Elementary or a Secondary degree program.

Students desiring secondary teaching program or K-12 certificate (i.e., Music, Art, Physical Education, Speech Pathology) take majors in departments listing B.S. teaching majors and the professional course sequence in the Education Department. Preparation for teaching junior high and middle school is available as are certification programs in other departments in conjunction with a basic teaching degree, i.e., Media Education.

In addition to the teaching major, all teacher education students have been required by state rules (1) to complete the Human Relations component described under Academic Information; and (2) to complete Health 110, Personal and Community Health (4).

For further information regarding degree requirements, admission and retention in teaching education and student teaching prerequisites, consult the Academic Information section of this catalogue.

Major programs for B.S. (teaching) degrees in secondary fields or K-12 are described in their respective department sections.

**Early Childhood Education Programs
Kindergarten Education**

A student with an Elementary Education major may become certified as a kindergarten teacher by (A) completing Education 471, Curriculum and Instruction in Kindergarten Education, (B) completing Education 474, Language Arts in Early Childhood, and (C) student teaching at the kindergarten level.

Early Childhood Education Minor

A student who completes a Bachelor's Degree and this minor will receive state certification as a nursery school-day care teacher. Elementary majors also earn state certification as a kindergarten teacher.

Associate in Science in Early Childhood Education

A paraprofessional field based program that prepares assistant teachers for day care centers, nursery schools and kindergartens. A student may enter the program either through the regular college or through the New Center. The first year general studies and other requirements are completed. Focus courses, field work and electives make up the second year.

In conjunction with the Early Childhood Education program the college operates two early childhood child care programs accepting children from one to six years of age where observation, participation, field work and practicum experiences are provided. Interested students should contact the Director of the Programs or the Coordinator of Teacher Development.

A.S. Degree Requirements 96 credits

GENERAL STUDIES 45 credits

To be completed during the first year.

FOCUS COURSES

During the second year the students will be involved in working with young children in blocks of time in the campus centers. The focus courses will be completed in a lab type setting preparing materials and lessons to be used with the children.

Ed 270 Orientation and Child Development (4)

Ed 271 Creative Arts for the Young Child (3)

Ed 272 Early Childhood Curriculum (3)

Ed 273 Field Practicum (16)

Ed 274 Language Development for the Young Child (3)

OTHER REQUIREMENTS

Hlth 125 First Aid (2)

Hlth 110 Personal and Community Health (4)

Ed 341 Children's Literature (4)

Electives (12-25)

Major in Elementary Education

The Education Department currently offers prospective elementary teachers only one teacher education preparation program - Professional Fourth Year. Students unable to participate in, or not needing a full year, full-time program may contact the department. Some alternatives are available for experienced teachers and transfer students nearing completion of the elementary major.

The students completing the elementary major through the regular routes spend their first three years completing General Studies, a minor or an approved equivalent. During the freshman or early sophomore years they enroll for Education 110, Career Exploration in Education (3) to familiarize themselves with the teaching profession and have a field experience.

Prerequisites to the elementary program which are taken during the two years are: Math 100, Math 203, Music 110, Art 100.

In addition, students are urged by the program faculty to consider taking both of the following classes as excellent preparation for the program:
Ed. 341 Children's Literature
Ed 345 Orientation to the Teaching of Reading

Students desiring certification in learning disabilities are recommended to plan their college programs in order that they complete all prerequisites prior to the junior year and to plan on PFY in the junior year rather than the senior year.

Presently, the department is considering an additional prerequisite, a 6 credit field based experience involving Human Growth and Development and Developmental Deviances. Students should be aware of this possible change, discussing the progress of the proposal with their advisors. This is a sophomore level offering.

Major Requirements in Elementary Education

CHOICE OF APPROVED MINOR OR

SPECIALIZATION 36-44 credits

Consult the department for listing as well as other department B.S. Minors: Elementary Education.

Education department offerings are: Early Childhood Minor, Corrective and Remedial Reading, Learning Disabilities and Special Education.

GENERALIZATION

Approved courses in Art, Music, Children's Literature, Speech, Science, Social Services and area of concentration of choice.

ELEMENTARY MAJOR

Ed 110 Career Exploration in Education (3)

Ed 420 Professional Elementary Teacher Education I (16)

Ed 421 Professional Elementary Teacher Education II (16)

Ed 422 Professional Elementary Teacher Education III (16)

Major in Special Education - EMR

The major in Special Education EMR prepares persons to become teachers of the educable mentally retarded or for other roles with minor modification. Since the program is undergoing revision, it is advisable that the student interested in Special Education EMR work closely with an advisor in Special Education.

Major Requirements in Special Education

45 or more credits

SpEd 345 Orientation to Teaching Reading (3)

SpEd 416 Mental Retardation (3)

SpEd 420 Education of Exceptional Children (3)

SpEd 435 Seminar in Mental Retardation (3)

SpEd 436 Problems in Special Education (1-3)

SpEd 440 Methods of Teaching the Mentally Retarded (3)

SpEd 441 Language Development for Exceptional Children (3)

SpEd 450 Student Teaching of the Mentally Retarded (16)
SpEd 465 Special Education Reading (3)
SpEd 466 Special Education Reading Clinic (2)
SpEd 470 Guidance of the Handicapped (3)
SpEd 471 Behavioral and Environmental Management (3)

Requirements in Related Fields 3 credits

Math 344 Mathematics for Special Education (3)

Electives in Special Education and Related Fields At least 9 credits

Students considering a double major with Elementary Education should work closely with their advisor or Assistant Chairperson for Special Education to develop their program.

Minor in Early Childhood Education

Ed 470g Development of Young Children (3)
Ed 471g Kindergarten Education (4)
Ed 472g Curriculum and Instruction in Early Childhood Education (3)
Ed 473g Practicum in Early Childhood Education (6)
Ed 474g Language Arts in Early Childhood (3)
Ed 341g Children's Literature (4)
Hlth 412 Marriage and Family Life Education (4)
SPAA 468g Speech and Hearing Problems (3)
SpEd 420 Education of the Handicapped Child (3)
Hlth 125 Red Cross First Aid (2)
Electives (minimum) 5 credits

Early Childhood Center

In conjunction with the two early childhood programs, the department operates the Early Childhood Center located in the east end of Lommen Hall. Presently, the Center accepts children from 2 through 5 years of age. Students in the minor complete field experiences in this program. The Center staffing consists of three certified teachers of young children and student paraprofessional aides.

The Center is available to education and other college classes for prearranged observations, demonstrations or research studies. Interested faculty and students should contact the Director of the Center or the Assistant Chairperson for Education and Regional Services.

Minor in Developmental and Corrective Reading

This reading minor is available to all persons who plan on a teaching career whether elementary, secondary, or special education. The reading minor is an important contributing factor for job placement.

Prerequisite

Ed 345 Orientation to the Teaching of Reading (3)

Required

Ed 341 Children's Literature (4)
Ed 461g Linguistic Foundations for Reading (3)
(Prerequisite Ed 345)
Ed 449g Developmental Reading (4)
(Prerequisite Ed 345)
Ed or SpEd 445g Remedial and Corrective Reading (3)
Ed or SpEd 446g Reading Clinic: Remedial and Corrective (2)

Choose 2 courses from this group

Ed 448g Reading Study Skills in the Content Areas (3)
SPAA 468g Speech and Hearing Problems in the Classroom (3)
MeEd 430g Materials for the Elementary School (4)
MeEd 440g Materials for the Secondary School (4)
SpEd 465g Special Education Reading (3)
SpEd 447g Teaching Basic Skills to Secondary Students (3)

Electives 13 credits

Those courses not used under the preceding group may be taken as electives. Special course offerings may be applied toward the minor electives with departmental approval.

MeEd 306g Audiovisual Materials and Methods (3)
SPAA 251 Applied Phonetics (4)
Spch 345g Speech in the Elementary Classroom (3)
SpEd 421g The Gifted Child (3)
SpEd 422g Curriculum and Methods for the Gifted (3)
SpEd 460g Education of the Emotionally Disturbed Child (3)
SpEd 461g Education of Children with Specific Learning Disabilities (3)
SpEd 473g Behavior Problems in Children (3)

Minor in Learning Disabilities 41 credits

The minor in learning disabilities does not yield certification in Special Learning and Behavior Problems (Learning Disability) but courses completed for the minor can be applied toward the certification program. For further information contact Special Education Office.

Ed 445 Remedial and Corrective Reading (3)
Ed 446 Remedial and Corrective Reading Clinic (2)
SpEd 420 Education of the Exceptional Child (3)
SpEd 441 Language Development for the Mentally Retarded (3)
SpEd 460 Education of the Emotionally Disturbed Child (3)
SpEd 461 Education of Children with Specific Learning Disabilities (3)
SpEd 463 Measurement and Assessment in Special Education (3)
SpEd 471 Behavioral and Environmental Management (3)
SpEd 472 Psychoeducational Diagnosis and Programming (3)

Electives in related field chosen in consultation with minor advisor - at least 15 credits.

Minor in Special Education

Students may take on a non-certification minor in special education. This will consist of 36-40 hours in special education courses and courses in related fields to be arranged by Special Education. This will not include student teaching and will not result in teacher certification in special education. However, a student may complete the requirements later for a major in special education and then be certified.

Certification in Trainable Mental Retardation (TMR)

The trainable mental retardation certificate is premised on completion of the EMR program and one quarter block of instruction totalling 16 credits. Some revision of this program is anticipated. Students should plan on working closely with the program advisor for the most current information on this program.

Kindergarten Education

Students in elementary education may earn a teaching certificate for the kindergarten level by completing the following requirements:

- Ed 471g Kindergarten Education (4)
- Ed 474g Language Arts in Early Childhood (3)
- Ed 450 Student Teaching and Seminar (8) or
- Ed 451 Student Teaching and Seminar (8)

It is highly recommended that a student planning a career as a kindergarten teacher arrange a college program to complete the early childhood minor, or at least the following courses in addition to the above:

- Ed 470g Development of Young Children (3)
- Ed 341 Children's Literature (4)
- SpEd 420g Education of the Handicapped Child (3) or
- SPAA 468g Speech and Hearing Problems (3)

Area of Concentration in Basic Skills Instruction

An area of concentration designed to aid the secondary teacher in serving students with basic skills deficiencies.

- Ed 410 Counseling Skills (3)
- Ed 448 Reading Study Skills in the Content Areas (3)
- SpEd 445 Remedial and Corrective Reading (3)
- SpEd 464 Education of the Learning Disabled Secondary Student (3)
- SpEd 472 Psychoeducational Diagnosis and Programming (3)
- SpEd 447 Teaching Basic Skills to Secondary Students (3)

Secondary Education and K-12 Professional Curriculum

Students seeking the B.S. (teaching degree) in any secondary education curriculum or programs in special areas from Kindergarten to Grade 12 will follow one of two specially designed programs.

Program A: Requirements - 31 hours

- Ed 110 Career Explorations in Education (3)
- Ed 214 Human Growth and Development (3)
- Ed 305 Educational Psychology (3)
- Ed. 307 Measurement and Evaluation - Secondary (3)
- Ed 490 Foundations of Education (3)
- Ed 450-451S Student Teaching and Seminar (16)

Commencing with the academic year of 1977-78, this program will be offered on a limited basis and only through application to the department. The program will be recommended for transfer students and students from specific majors. Effective July 1, 1979, students seeking B.S. degrees in teaching Science and Social Studies may not elect this program without special arrangements for additional learning experiences to meet state requirements.

Program B: Requirements - 35 hours

Note: This program is still in the planning stages, but will contain the following components perhaps in different arrangements. Credit hour designations may also change. The program has been approved only in concept at press time. During 1976-77 limited enrollment will be accepted.

Ed 110 Career Explorations in Education (3)

A Block I (recommended for Sophomore year): possible content: Human Growth and Development Deviances; Interpersonal Communications; Value Clarification and Guided Observations (6-8)

A Block II (recommended for Junior year): Educational Psychology; Education Measurement/Evaluation; Teaching Methods; Classroom Participation and Tutoring (6-8)

Student Teaching: To include Education Foundations and a Seminar (14-16)

Ed 490 Foundations of Education (3)

Students needing competency based teacher education preparation will be required to take this program.* However, this program is recommended to all students seeking teacher preparation other than Elementary and Special Education.

*Effective July 1, 1979, for B.S. Degree, Science and Social Studies.

Engineering

Moorhead State University offers a pre-engineering program constituting the first two years of study for an engineering degree. The curriculum is so designed that, upon satisfactory completion, a student may transfer to a college of engineering as a third year student.

The program may be modified or augmented by enrollment in engineering courses at North Dakota State University through the MSU-NDSU "Covered Programs." In this case students may transfer to NDSU (at resident tuition under reciprocity) for only the last 45 credits.

(See ACADEMIC INFORMATION)

Adjustments in the curriculum also can be made to conform to requirements of those schools where the students will eventually complete their degrees. Pre-engineering students should work closely with their advisor in planning courses of study.

Recommended Pre-Engineering Curriculum 96-108 credits

- Engl 101-102-103 Freshman Composition and Literature I-II-III (12)
- Math 231-232-233-234 Calculus I-II-III-IV (16)
- Math 331 Differential Equations (4)
- Chem 111-112 General Chemistry I-II (10)
- Phys 200-201-202 General Physics I-II-III (15)
- Phys 210 Modern Physics (3)
- Eng 130 Engineering Orientation and Computation (3)
- Eng 210 Engineering Design
- Eng 243 Engineering Mechanics I - Statics (4)
- Eng 244 Engineering Mechanics II - Dynamics (4)
- Eng 245 Engineering Mechanics III - Materials (5)
- Approved Electives (17-29)

English

Requirements for majors, dual majors, and minors in English are set forth in detail below. Anyone who wishes to major in English must see the chairperson and be assigned an advisor. The large number of elective credits in the English major demands that a student visit his advisor frequently and plan a series of electives that will provide a program both academically respectable and personally satisfying.

The B.A. and B.S. (teaching) programs have identical core requirements, but the B.S. program also includes course work prescribed by the State Board of Education for a teaching major in English on the secondary level.

Students who intend to pursue graduate study are advised to take English 310 (Chaucer), 316 (Milton), and 414 (Advanced Shakespeare). They are also advised to make themselves proficient in at least one foreign language.

Students who wish to set up individualized majors with concentrations in English should consult their advisors about such suggested majors as Comparative Literature and Language Studies.

Students who plan to enter the business world after college or who wish to prepare for other professional areas should ask advisors about "Career Cluster" and "Career Concentration" courses available in those areas at MSU.

Qualifying Examination

An entering freshman may take the undergraduate qualifying examination in English offered during fall orientation, on the basis of which he can be exempted entirely from Freshman English, or allowed to substitute the more advanced freshman course, English 191-192-193. Topics in Literature and Critical Writing.

Major in English (B.A. Degree)

Major Requirements in English 64 credits

CORE REQUIREMENT 28 credits

Engl 201-202-203 American Literature Survey I-II-III (12)

Engl 211-212-213 British Literature Survey I-II-III (12)

Engl 314 Shakespeare (4)

ELECTIVES IN ENGLISH 36 credits

At least 28 credits must be taken at the 300 or 400 levels, and 12 of these credits must be taken in courses that deal with literature before the nineteenth century, or with Old or Middle English language. Electives should be chosen in close consultation with one's advisor.

Major in English (B.S. Degree) (Teaching)

Major Requirements 70-71 credits

CORE REQUIREMENT 28 credits

(See B.A. major)

ELECTIVES IN ENGLISH 24 credits

At least 12 credits must be taken at the 300 or 400 levels, and 8 of these credits must be taken in courses that deal with literature before the nineteenth century. Electives should be chosen in close consultation with one's advisor.

(All Teacher Education Requirements must be fulfilled to complete this major. See Academic Information.)

Dual Major in English and Speech Communication/ Theatre Arts (B.S. Degree) (Teaching)

Major requirements in English 54 credits

CORE REQUIREMENT 28 credits

(See B.A. major)

ELECTIVES IN ENGLISH 15-16 credits

At least 11 credits must be taken at the 300 or 400 levels and at least 8 of these credits must deal with literature before the nineteenth century. Electives should be chosen in consultation with the advisor.

COURSES REQUIRED FOR TEACHING

CERTIFICATION 10-11 credits

(Same as B.S. degree, except for Speech Requirement.)

Major requirement in Speech 52 credits

Spch 100 Beginning Speech Communication (4)

Spch 101 Voice and Diction (4)

Spch 105 Beginning Oral Interpretation (4)

Spch 202 Introduction to Rhetoric (4)

Spch 204 Principles of Debate (4)

Spch 220 Theatre Form and Appreciation (3)

Spch 222 Principles of Acting

Spch 224 Technical Theatre Method (4)

Spch 281 Film Form and Criticism (3)

Spch 312 Principles of Persuasion (3)

Spch 340 The Teaching of Speech (4)

Spch 344 Principles of Play Direction (4)

Spch 468 Speech and Hearing Problems in the Classroom (3)

Electives in Communications and Theatre 4 credits

COURSES REQUIRED FOR TEACHING

CERTIFICATION 18-19 credits

Engl 394 Advanced Composition (3)

One of the following:

Engl 391 Teaching English in Secondary Schools (4)

Engl 392 Adolescent Literature (3)

Engl 393 Grammar and Usage for Teachers (3)

One of the following:

Engl 492 Transformational Grammar (4)

Engl 493 History of the English Language (4)

Speech Requirement

Spch 100 Fundamentals of Speech (4)

At least one of the following:

Spch 205 Beginning Oral Interpretation (4)

Spch 224 Technical Production (4)

Spch 344 Principles of Play Direction (4)

(To satisfy the requirements of the State Board of Education for secondary certification with a major in rhetoric/public address and theatre, students must participate in at least two speech activities: forensics, theatre, oral interpretation, or broadcasting.)

(All Teacher Education Requirements must be fulfilled to complete this major. See Academic Information.)

Dual Major in English and Mass Communications (B.A. Degree)

Major requirements in English 57 credits

CORE REQUIREMENT 28 credits
(See B.A. Major)

WRITING REQUIREMENT 6 credits

Two of the following:

Engl 251 Film Writing (3)

Engl 287 Technical Report Writing (3)

Engl 288 Introduction to Creative Writing (3)

ELECTIVES IN ENGLISH 23 credits

Note: At least 15 credits must be taken at the 300 and 400 levels and at least 8 of these credits must cover material before the 19th century. Other suggested electives: Engl 388 (Creative Writing) and Engl 488 (Advanced Creative Writing). Electives should be chosen in close consultation with the student's advisor.

Major requirements in Mass Communication 45 credits

CORE REQUIREMENT 21 credits

MC 200 Introduction to Mass Comm (3)

MC 205 Beginning News Writing (3)

MC 215 Visual Communications (3)

MC 230 Communications Photo I (3)

MC 304 History of American Journalism (3)

MC 440 Communications Law (3)

MC 460 Responsibility of Mass Media (3)

ELECTIVES IN MASS COMMUNICATIONS
24 credits

Note: Electives in Mass Comm should be agreed upon by the student and his advisor.

At least 70 hours of the 192 credits needed for graduation must be at the 300 level or above.

Minor in English (B.A. Degree) 35 credits

Core for the minor 24 credits

Engl 202-203 American Survey I-II-III (8)

Engl 211-212-213 British Survey I-II-III (12)

Engl 314 Shakespeare (4)

Electives in English intended for majors 11 credits

Electives should be chosen in close consultation with one's advisor.

Minor in English (B.S. Degree) (Teaching)

42-43 credits

Core requirement for minor 24 credits

(same as above)

Courses required by the State Board of Education

18-20 credits

(Same as for B.S. major)

Note: This minor can be awarded only in combination with at least one teaching major.

Finance

See Business for Curricula.

French Language and Literature

See Language for Curricula.

Geography-Geology

Areas of Study: Geography, Geology, Earth Science, Photogrammetry.

Major in Geography

Major Requirements in Geography 54-57 credits

Geog 110 Introductory Physical Geography (4)

Geog 111 World Regional Geography (4)

Geog 220 Economic Geography (4)

Geog 225 Conservation (4)

Geog 230 Map Intelligence (4)

Geog 310 United States and Canada (4)

Geog 322 Cartography (4)

Geog 370 Political Geography (3)

Geog 444 Seminar in Geographic Thought (2)

Courses in Regional Geography (At least 6 credits):

Geog, 312, 313, 315, 316, 318, 319, 320, 321.

Courses in Systematic Geography (At least 8 credits)

Geog 112, 222, 241, 242, 300, 323, 324, 325, 411, 420, 422, 423, 424, 495, 496. The physical portion of Geog 330-350 can be applied to this group.

Electives in Geography 7-10 credits

Electives may include 8 credits of summer field trip, Geog 330-350 or Geog 496. No more than 8 hours in Geology can be used in this group.

Requirements in Related Fields 16 credits

(To be selected in consultation with the Geography advisor)

One of the following: 4 credits

Math 273 Mathematics for Behavioral and Social Sciences

Math 274 Introduction to Statistics

Electives in Social Science courses (At least 12)

During the junior year, majors must take an English writing test which is administered by the Department of Geography.

Major in Geography (Social Studies) (Teaching)

Program below is effective only for students who will graduate before June, 1979. See SOCIAL STUDIES for curriculum after June, 1979.

Major Course Requirements 57-60 credits

B.A. Major Requirements 54-57 credits

Ed 440 Social Studies in the Secondary School (3)

Requirements in Related Areas 25-28 credits

Hist 101-102-103 Western Civilization I-II-III (12)

At least one course in each of the following areas (9-12 credits)

Anthropology or Sociology

Economics

Political Science

One of the following in consultation with advisor 4 credits:

Math 273 Mathematics for Behavior and Social Science

Math 274 Introduction to Statistics

(All Teacher Education Requirements must be fulfilled to complete this major. See Academic Information.)

Minor in Geography 30-32 credits

Geog 110 Introductory Physical Geography (4)
Geog 111 World Regional Geography (4)
Geog 220 Economic Geography (4)
Geog 230 Map Intelligence (4)
Geog 310 United States and Canada (4)

Electives in Geography 6-8 credits

One course in Regional Geography (But not Geog 313, 321, 410, or 490g)
One course in Systematic Geography

Minor in Geography (Teaching)

Required Courses in Geography 27-28 credits

Geog 110 Introductory Physical Geography (4)
Geog 111 World Regional Geography (4)
Geog 220 Economic Geography (4)
Geog 225 Conservation (4)
Geog 230 Map Intelligence (4)
Geog 310 United States and Canada (4)
One advanced course in either regional or systematic Geography (3-4)

Requirements in Related Areas 15-19 credits

At least one course from each of the following subjects related to a selected region or system of geography (12-16):

History
Economics
Political Science
Sociology or Anthropology
Ed 440 Social Studies in the Secondary School (3)

(This minor can be awarded only in combination with at least one teaching major.)

Major in Geology

A major or minor in Geology can be earned through the Moorhead State University-North Dakota State University exchange program.

EARTH SCIENCE

Major in Earth Science (Teaching) 93-96 credits

Major Course Requirements

Geog 110 Introductory Physical Geography (4)
Geog 225 Conservation (4)
Geog 230 Map Intelligence (4)
Geog 241 Elementary Meteorology (4)
Geog 242 Climatology (4)
Geog 300 Geomorphology (4)
Geog 323 Aerial Photo Interpretation (4)
Geog 485 Teaching Methods in Earth Science (1)
Sci 440 Teaching Methods in Physical and Earth Science (2)
Geol 115 Physical Geology (4)
Geol 116 Historical Geology (4)
Geol 230 Geology of Oceans (4)

Ast 100 Introduction to Astronomy and Space Sciences (4)

Ast 101 Observational Astronomy (3) OR

Ast 260 Planetary Science (4)

Biol 111 Cell Biology (4)

Biol 113 General Zoology (4)

Biol 123 General Botany (4)

Chem 111 General Chemistry I (4)

Chem 112 General Chemistry II (4)

Chem 111L General Chemistry I Lab (1)

Chem 112L General Chemistry II Lab (1)

Phys 111 Elementary Physics

Electives in Earth Science 10-12 credits

Geog 495 Field Techniques in Geography (4)

Geog 496 Summer Field Studies (8)

Geol 221 Mineral Resources (4)

Ast 110 Introduction to Space Travel (4)

Ast 200 Cosmology (3)

Ast 230 Topics in the History of Astronomy (4)

Biol 345 Principles of Ecology (4)

The following courses can be taken at NDSU:

Geol 303 Paleontology

Geol 304 Mineralogy I

Geol 305 Mineralogy II

Geol 350 Glacial Geology

Requirements in Related Areas 6 credits

Math 121 College Algebra (4)

Math 133 Trigonometry (3)

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Minor in Earth Science (Teaching) 71 credits

Required Courses in Earth Science

Geog 110 Introductory Physical Geography (4)

Geog 225 Conservation (4)

Geog 230 Map Intelligence (4)

Geog 241 Meteorology (4) OR

Geog 242 Climatology (4)

Geog 300 Geomorphology (4)

Geog 323 Aerial Photo Interpretation (4)

Geol 115 Physical Geology (4)

Geol 116 Historical Geology (4)

Ast 100 Introduction to Astronomy and Space Science (4)

Sci 440 Teaching Methods in Physical and Earth Science (2)

Geog 486 Teaching Methods in Earth Science (1)

Chem 111 & Lab General Chemistry I (5)

Chem 112 & Lab General Chemistry II (5)

Phys 111 Elementary Physics (4)

Biol 111 Cell Biology (4)

Biol 113 General Zoology: Vertebrate (4)

Biol 123 General Botany (4)

Electives in Earth Science 6 credits

Geog 241 Meteorology (4)

Geog 242 Climatology (4)

Geol 221 Geology of Mineral Resources (4)

Geol 230 Oceanography (4)

Geog 496 Summer Field Studies (8)

Ast 101 Observational Astronomy (3)

Ast 260 Planetary Science (4)

Ast 200 Cosmology (3)

It is recommended that students taking an Earth Science Minor fulfill their General Studies requirements with courses in Biology, Chemistry, Physics, Mathematics and Geography.

(This minor can be awarded only in combination with at least one teaching major.)

Photogrammetry

Study in photogrammetry is available through the Department of Geography-Geology. Further information can be obtained from the chairperson of the department.

German Language & Literature

See Language for Curricula.

Health-Physical Education-Recreation

Major in Health Education (Teaching)

Major Requirements in Health Education 36-40 credits

Hlth 110 Personal and Community Health (4)
Hlth 125 Red Cross Standard First Aid (2)
Hlth 325 Instructors Course in First Aid (2)
Hlth 327 Principles of Safety Education (4)
Hlth 340 Health in the Elementary and Secondary Schools (4)
Hlth 412 Marriage and Family Life Education (4)
Hlth 465 Organization and Administration of School Health Education (3)
Hlth 476 Seminar in Health Problems (2-6)
PE 220 Human Anatomy (4)
PE 321 Human Physiology (4)
PE 452 Adapted Physical Education (3)

Requirements in Related Areas 37 credits

HE 110 Introduction to Nutrition (3) or equivalent
At least 24 credits in the following areas:
Biology 102-103-104 (12)
Chemistry 106-107-108 (15)
Psychology 101-115-117 (12)
Sociology 110-111-112 (12)
At least 10 credits in the following:
MeEd 320g Production of Audiovisual Materials (3)
Biol 350 Microbiology (4)
Ed 411 Introduction to Guidance (3)
Hlth 469 Internship (B.S. Students) (3)
Hlth 474 Workshop in Health (2)
Spch 100 Beginning Speech Communication (4)
Spch 308 Small Group Communication (3)
SoWk 220 Introduction to the Field of Social Welfare (4)
SoWk 259 An introduction to Social Work Practice (4)
SpEd 416 Mental Retardation (3)
SpEd 420 Education of the Exceptional Child (3)
SpEd 460 Education of the Emotionally Disturbed Child (3)

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Major in Health Education (B.A. Degree)

Completion of this major may lead to positions in public health departments, voluntary health agencies, and some industrial or commercial companies. Teaching candidates should refer to the Major in Health Education (Teaching).

Major Requirements 73-77 credits

Same requirements as the teaching major.
Teacher Education Requirements not included.

In addition, the B.A. major candidate must complete at least 6 credits of human growth and development or the equivalent and at least 3 credits in internship (Hlth 469).

Major in Physical Education (Teaching)

Students should be aware that this major does not qualify them to teach health education in the State of Minnesota, although it does enable them to coach and to teach physical education. It is suggested that courses leading to the Water Safety Instructor's certificate be included as well as coaching theory classes in sports of interest.

Major Course Requirements 74 credits

Hlth 110 Personal and Community Health (4)
Hlth 125 Red Cross Standard First Aid (2)
PE 110 Introduction to Physical Education (2)
PE 220 Human Anatomy (4)
PE 243 General Methods for Teaching Physical Education and Team Sports
PE 244 Techniques for Teaching Gymnastics (3)
PE 250-251-252 or 253 Sports Officiating (2)
PE 305 Principles of Physical Education (3)
PE 321 Human Physiology (4)
PE 343 Techniques for Teaching Individual Sports (2)
PE 345 Techniques for Teaching Dance (2)
PE 380 Supervision of P.E. in the Elementary School (4)
PE 422 Kinesiology (4)
PE 452 Adapted Physical Education (3)
PE 474 Tests and Measurements in Physical Education (3)
PE 495 Administration of Physical Education (3)
Rec 140 Camping and Outdoor Education (3) or
Rec 210 Leadership in Recreation (3)
PE Activity Courses (15)
(May include up to six credits in Recreation activity courses)

Approved Electives (At least 6 credits from the following):

Hlth 220 Prevention and Care of Athletic Injuries (2)
Hlth 325 Instructors course in First Aid (2)
Hlth 327 Principles of Safety Education (4)
Hlth 340 Health in the Elementary and Secondary Schools (3)
Hlth 469 Internship (3)
Hlth 412 Marriage and Family Life Education (4)
Hlth 465 Organization and Administration of School Health Education (3)
PE 421 Physiology of Exercise (3)
PE 453 Physical Education for the Mentally Retarded (3)

PE 460 Principles of Coaching (2)
Rec 141 Camping and Outdoor Education II (3)
Rec 110 Introduction to Recreation (2)

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Major in Physical Education (B.A. Degree)

For persons who do not plan to qualify for public school teaching. Requirements are the same as for the teaching major except that graduates are exempt from Teacher Education Requirements.

Minor in Health 27 credits

Hlth 110 Personal and Community Health (4)
Hlth 125 Red Cross Standard First Aid (2)
Hlth 325 Instructor's Course in First Aid (2)
Hlth 412 Marriage and Family Life Education (4)
Hlth 465 Organization and Administration of School Health Education (3)
PE 220 Human Anatomy (4)
PE 321 Human Physiology (4)
One of the following (4):
Biol 350 Microbiology
Hlth 476 Seminar in Health Problems

Minor in Health (Teaching) 30 credits

B.A. Minor Requirements (27)
Hlth 340 Health in the Elementary and Secondary Schools (3)

This minor can be awarded only in combination with at least one teaching major.

Minor in Physical Education (Teaching) 35 credits

This minor would normally be selected by a student majoring in another field who would like part-time teaching in physical education and/or coaching. In Minnesota a person with a physical education minor may teach only half-time or less in this field. Renewal of teacher certification after seven years will require a major.

Hlth 110 Personal and Community Health (4)
Hlth 125 Red Cross Standard First Aid (2)
PE 110 Introduction to Physical Education (2)
PE 220 Human Anatomy (4)
PE 243 General Methods for Teaching Physical Education and Team Sports (3)
PE 244 Techniques for Teaching Gymnastics (3)
PE 305 Principles of Physical Education (3)
PE 343 Techniques for Teaching Individual Sports (2)
PE 345 Techniques for Teaching Dance (2)
PE Activity Courses in Aquatic (1), Dance (2), Individual (3), Team (2), Gymnastics (2)

Minor in Recreation 32-36 credits

This minor will help the student to qualify for a part-time position in recreation. It is not a teaching minor.

Art 100 Elements of Art (3)
Hlth 125 Red Cross Standard First Aid (2)
IE 133 A through F Industrial Education Activities
Two courses (2)

Mus 220-235 Participation in at least one Music activity (1-2)
Rec 110 Introduction to Recreation Education (2)
Rec 140 Camping and Outdoor Education (3)
Rec 210 Leadership in Recreation (3)
Rec 253 Youth Organizations (2)
Rec 450 Field Work in Recreation (3)
Soc 110 Introduction to Sociology (4)
Spch 030 Stagecraft (and/or)
Spch 344 Principles of Play Direction (1-4)
PE Activity Courses in Aquatic (1), Dance (1), Individual (3), Team (1).

Minor in Coaching for Men (Teaching) 34 credits

This minor could be selected by students planning to teach in an academic area who *definitely* do not want to teach Physical Education. The program qualifies students to be recommended for certification in coaching only.

Hlth 125 Red Cross Standard and Advanced First Aid (2)
Hlth 220 Prevention and Care of Athletic Injuries (2)
PE 220 Human Anatomy (4)
PE 250 or 251 Sports Officiating (2)
PE 305 Principles of Physical Education (3)
PE 321 Human Physiology (4)
PE 422 Kinesiology (4)
PE 460 Principles of Coaching (2)
PE 475 Administration of Athletics (3)
Rec 110 Introduction to Recreation (2) or
Rec 210 Leadership in Recreation (2)
Three courses (2 credits each) in Coaching (6):
PE 371 Coaching Football
PE 372 Coaching Basketball
PE 373 Coaching Baseball
PE 374 Coaching Track and Field
PE 375 Coaching Wrestling
PE 376 Coaching Golf and Tennis

(This minor can be awarded only in combination with at least one teaching major.)

Certification in Coaching for Women

This certificate allows any instructor with a Minnesota teaching certificate to coach girls interscholastic sports in the public schools of Minnesota. The program must also include an arranged practicum in coaching, and applicants must have teaching degrees.

Requirements for Physical Education Majors

Hlth 220 Prevention and Care of Athletic Injuries (2)
PE 460 Principles of Coaching (2)
Practicum

Requirements for Non-Majors in Physical Education

PE 110 Introduction to Physical Education (2)
PE 460 Principles of Coaching (2)
PE 475 Administration of Athletics (3)
PE 422 Kinesiology (4)
PE 250-251 Sports Officiating I-II (4)
Hlth 220 Prevention and Care of Athletic Injuries (2)
Practicum

Certification in Driver Education 12 credits

In order to qualify for this certificate, the individual must complete the following courses and meet any prerequisites for these courses as may be specified.

Hlth 327 Principles of Safety Education (4)
Hlth 489-490 Driver Education I-II (8)

History

Major in History (B.A. Degree) 62 credits

Major Course Requirements

Hist 101-102-103 History of Western Civilization (12)
Hist 121-122-123 History of the United States I-II-III (12)

Electives in the following areas (At least 6 credits):

Africa
Asia
Latin America

At least one Seminar in History (3):
Hist 402, 403, 404, 405

Electives in History (At least 29 credits):

Note: History 100 Studies in History (3-4). Only 4 credits may be applied toward the major.

Foreign Language Requirements

The Bachelor of Arts degree in history requires completion of one year of a foreign language in a program acceptable to the department or equivalent reading skill demonstrated to the satisfaction of the department.

Historiography Recommendation

All majors, especially those planning to undertake graduate study, are strongly encouraged, although not required, to take the following course:
Hist 300 Historiography (3)

Major in History (B.S. Degree) (Social Studies) 65 credits

Note: Effective for graduates prior to June 1979. See SOCIAL STUDIES for program in effect after June 1979.

Requirements for Major in History (B.A. Degree) 62 credits

Ed 440 Social Studies in the Secondary School (3)

Certification Requirements in Related Fields (NOT a part of the Major)

At least one course in each of the following:
Anthropology or Sociology
Economics

Geography
Political Science

Professional Education Requirements 31 credits

See Teacher Education Requirements in ACADEMIC INFORMATION.

Minor in History (B.A. Degree) 39 credits

Hist 101-102-103 History of Western Civilization I-II-III (12)
Hist 121-122-123 History of the United States I-II-III (12)

Electives in North American and European History at the 200 level or above (At least 9 credits):

United States
Canada
Europe

Electives in Non-Western History at the 200 level or above (At least 6 credits):

Africa
Asia
Latin America

Minor in History (B.S. Degree) (Teaching) 42 credits Requirements for the Non-Teaching Minor 39 credits

Ed. 440 Social Studies in the Secondary School (3)

Certification Requirements in Related Fields (NOT a part of the Minor)

At least one course in each of the following:

Anthropology or Sociology
Economics
Geography
Political Science

Home Economics

Cooperative Degree Program

Although no courses in this field are offered at MSU, a cooperative agreement with North Dakota State University permits a student to take three years of courses as an MSU student, concurrently pursuing courses in this speciality at NDSU. The student need only transfer for the fourth year to North Dakota State University, pay in-state tuition under a reciprocity agreement and will receive the degree from that institution.

Humanities

The Department of Humanities offers a series of interdisciplinary courses emphasizing art, literature, music and philosophy. These may be taken for general studies credit or as electives. The department has no established major; students interested in majoring in Humanities should see the section on the Individualized Major. This department also serves as the base for American Studies, which offers a degree program. A Woman's Studies minor, with its core courses in the Humanities Department, is also available. For further information on this minor, see Women's Studies.

Individualized Major

For requirements see Academic Information.

The following are examples of individualized majors:

Individualized Major in Criminal Justice 70 credits

(1) 30 credits in ONE of the following departments: political science, psychology, social services, or sociology.

(2) 40 credits selected, by the student and his advisor, from the departments listed above.

Students may select an area of focus with criminal justice (law enforcement, courts, or corrections) or they may select a general overview of the criminal justice system. This choice will determine the courses selected for both (1) and (2) above.

A 16-credit internship with a criminal justice agency is strongly recommended and may be applied to (2) above.

Individualized Major in Humanities 70 credits

(1) 30 credits in one of the following areas: Humanities, Art Theory and Appreciation, Literature, Music Theory and Appreciation, Philosophy or American Studies.

(2) 40 credits selected from the areas listed above. One quarter in the Tri-College Humanities Forum is recommended.

The above are minimum requirements; more courses in the areas listed above are recommended, especially for single major students.

Industrial Education

The Industrial Education Department offers a variety of programs to prepare not only talented educators for the teaching fields, but also skilled technologists for the growing demands of business and industry. Students can choose from the following areas of study: Industrial Education, Industrial Illustration, Industrial Technology, Manual Arts Therapy, Vocational/Technical Education, and Technical Aid.

Major in Industrial Education (B.S. Degree) (Teaching)

The IE teaching major, which utilizes curricula from the Education Department, provides the necessary background to teach secondary level industrial arts in any of these areas: construction, communications, manufacturing or power. In addition to the academic requirements, students must complete a certain amount of industrial wage-earning experience, primarily through supervised internship.

Core Requirements in Industrial Education 44 credits

(The core requirements include 8 credits each in the areas of construction, communication, manufacturing and power.)

IE 110 Orientation to Industrial Education (1)
IE 113 Technical Drafting I (4)
IE 120 Basic Wood (4)

IE 130 Metal Manufacturing Processes (4)
IE 135 Man and Industry (4)
IE 270 General Electricity (4)
IE 280 Power Technology (4)
IE 355 General Graphic Arts (4)
IE 360 Synthetics I (4)
IE 445 Planning and Administration (4)
IE 486 Construction Processes (4)
IE 495 Philosophy of Vocational Education (3)

Electives in Industrial Education 20 credits

(Secondary teaching candidates for grades 9-12 shall complete a concentration of at least 15 credits in one of the areas below. Middle school teaching candidates for grades 5-9 are not required to fulfill the concentration requirement):
Construction
Communication
Manufacturing
Power

Teaching Methods in Industrial Education 4 credits

IE 440 Teaching Vocational Subjects (4)

Requirement in Industrial Experience

Secondary teaching candidates (grades 9-12) shall complete a minimum of 1500 hours of industrial wage-earning experience approved by the department or a minimum of 750 hours of supervised Industrial Education internship (IE 469). Middle school candidates (grades 5-9) shall complete 1000 hours of wage-earning experience or 500 hours of supervised internship.

(All Teacher Education Requirements shall be fulfilled to complete this major. See ACADEMIC INFORMATION.)

Major in Industrial Education (B.S. Degree) (Non-Teaching)

The non-teaching IE program consists of an individualized, balanced industrial background and does not include teacher education requirements.

Core Requirements in Industrial Education 36 credits

(The core requirements include 8 credits each in the areas of construction, communication, manufacturing, and power.)

IE 110 Orientation to Industrial Education (1)
IE 113 Technical Drafting I (4)
IE 120 Basic Wood (4)
IE 130 Metal Manufacturing Processes (4)
IE 135 Man and Industry (4)
IE 270 General Electricity (4)
IE 280 Power Technology (4)
IE 355 General Graphic Arts (4)
IE 360 Synthetics I (4)
IE 486 Construction Processes (4)

Electives for Industrial Education 32 credits

Emphasis in one or more technological areas (minimum of 20 credits) is required. A supervised industrial internship (16 credits) is recommended but not required for graduation.

Major in Manual Arts Therapy (B.S. Degree)

The MAT major combines required curriculum from the Industrial Education department with concentrations in Psychology and Education, qualifying you to teach rehabilitating vocational and manual arts skills on a one-to-one basis with emotionally and physically handicapped persons. As a Manual Arts Therapist you could work in such institutions as sheltered workshops, hospitals and special education facilities.

Requirements in Industrial Education 58 credits

- IE 113 Technical Drafting I (4)
- IE 120 Basic Wood (4)
- IE 131 Gas Welding (3)
- IE 132 Electric Welding (3)
- IE 220 Wood II (4)
- IE 236 Metal Machining I (3)
- IE 270 General Electricity (4)
- IE 351 Offset Photography (4)
- IE 352 Offset Lithography Presswork (4)
- IE 360 Synthetics I (4)
- IE 440 Teaching Vocational Subjects (4)
- IE 445 Planning and Administration (4)
- IE 451 Clinical Experience (8)
- Electives in Industrial Education (17 credits)

Requirements in Psychology 27 credits

- Psy 101 General Psychology (4)
- Psy 115 Developmental Psychology (4)
- Psy 117 Personality (4)
- Psy 320 Social Psychology (4)
- Psy 351 Individual Differences (3)
- Psy 460 Abnormal Psychology (4)
- Psy 465 Clinical Psychology (4)

Requirements in Professional Education 23 credits

- Ed 110 Career Exploration in Education (3)
- Ed 214 Human Growth and Development (3)
- Ed 305 Educational Psychology (3)
- Ed 307 Test and Measurement (3)
- Ed 490 Foundations of Education (3)
- Ed 450S Student Teaching (8)

Major in Vocational/Technical Education (B.S. Degree)

The Vocational/Technical degree prepares a student for secondary or post-secondary vocational teaching fields. Requires substantial amounts of industrial wage-earning experience and/or completion of an Area Vocational/Technical Institute program (college credit may be awarded for either). The Vocational/Technical degree is the newest in this department, instituted as a result of the growing national trend towards vocational teacher upgrading. The degree requirements also meet the requirements of the Minnesota State Plan for Vocational Education.

For a description of the complete degree program see Academic Information.

Major Requirements in Vocational/Technical Education 32 credits

- IE 440 Methods of Teaching Vocational Subjects (4)
- IE 441 Measurement in Vocational Education (3)
- IE 445 Planning and Administration (4)
- IE 495 Philosophy of Vocational Education (3)
- IE 496 Literature of Vocational Education (3)
- IE 497 Curriculum Planning in Vocational Education (3)
- IE 498 Coordination Techniques of Vocational Education (3)
- Ed 305 Educational Psychology (3)
- MeEd 300 Audio-Visual Materials and Methods (3)
- MeEd 320 Production of Audio-Visual Materials (3)

Occupational Concentration 60-72 credits

The occupational concentration is subject to the approval of the department. Candidates for the major will receive up to 72 credits for such vocational-technical training in non-college fields as will qualify them for certification as vocational teachers through the Vocational-Technical Education Division of the Minnesota State Department of Education.

Teaching Internship 16 credits

- IE 469 Internship (16)

The following interdisciplinary programs are available to students who seek engineering-related careers in industry.

Major in Industrial Illustration (B.S. Degree)

Intended for persons interested in engineering and communications-related careers, the Industrial Illustration program will prepare students to work with technical publications in art and printing trades, advertising agencies, manufacturing and architectural firms. This program is unique in its interdisciplinary approach to developing the job skills needed for the illustrating field.

Major Requirements in Industrial Illustration 74 credits

- Art 120 Art Foundations I (7)
- Eng 113 Technical Drafting I (4)
- Eng 114 Descriptive Geometry (4)
- Engl 287 Technical Report Writing (3)
- IE 212 Sheet Metal Drafting (2)
- IE 215 Architectural Planning and Design (4)
- IE 226 Pattern Making (2)
- IE 317 Technical Illustration (4)
- IE 351 Offset Photography (4)
- IE 355 General Graphic Arts (4)
- IE 442 Industrial Technology Seminar (1)
- IE 444 Industrial Design (4)
- MC 215 Visual Communications (3)
- MC 230 Communications Photography I (3)
- Approved Industrial Technology Electives (26)

Major in Industrial Technology (B.S. Degree)

Utilizing the advanced technical training available in the Industrial Education department plus a core of concentrated studies from other departments in the University, the IT major prepares a student to assume one of many positions; as an administrative, design, industrial or systems engineer, or in any other engineering-related management jobs of business and industry.

Major Requirements in Engineering and Industrial Education 57 credits

Eng 114 Descriptive Geometry (4)
Eng 116 Technical Drafting II (4)
IE 360 Synthetics I (4)
IE 372-373 Applied Electronics I-II (8)
IE 435 Welding Technology (4)
IE 436 Metal Machining Technology (4)
IE 442 Industrial Technology Seminar (1)
IE 490 Fluid Power Technology (4)
Approved Industrial Technology Electives (24)

Requirements in Related Fields 32 credits

Econ 201-202-203 Principles of Economics I-II-III (12)
Engl 287 Technical Report Writing (4)
Phys 111-112 Elementary Physics I-II (8)
At least 8 credits in Mathematics - Math 121 or above (8)

Major in Technical Aid (A.S. Degree)

Designed as a two-year program through MSU's New Center for Multidisciplinary Studies, the Technical Aid program offers the basic skills and understanding needed in business or industry.

The following two year program should be carefully scheduled with an advisor in Industrial Technology and all elective courses should have the advisor's approval in advance. General Studies requirements for the Associate in Science are set forth in the ACADEMIC INFORMATION bulletin. General studies requirements may also be fulfilled through the curriculum of the New Center for Multidisciplinary Studies.

General Studies 42 credits

Requirements in Engineering and Industrial Education 54 credits

Eng 113 Technical Drafting I (4)
Eng 114 Descriptive Geometry (4)
Eng 116 Technical Drafting II (4)
IE 131 Gas Welding (3)
IE 132 Electric Welding (3)
IE 270 Electricity (4)
IE 236-237 Metal Machining I-II (6)
IE 372 Applied Electronics (4)
Engl 287 Technical Report Writing (4)
Approved electives in an area of concentration in one field of technology (18)

Language

Areas of Study: French, German, Greek*, Latin*, Norwegian, Russian*, Spanish

See also Classics, Latin American Studies, Scandinavian Studies.

The department offers B.A. and B.S. major and minor degree programs in French, German, and Spanish, and a two-year program in Norwegian. Instruction in Classical Greek, Latin and Russian is available only by special arrangement. The department also participates in the Latin American Studies and Scandinavian Studies programs described elsewhere in this section of the catalogue.

Students will find it advisable to begin the study of a foreign language or to continue with a language they have studied previously by commencing in the fall quarter of their freshman year.

Several departments — including English, History, Philosophy, Political Science, Psychology, and Sociology — either require or strongly recommend that their B.A. majors study at least one foreign language, especially if they intend to pursue graduate degrees.

Teaching Foreign Languages

Students who plan to teach foreign languages in elementary or secondary public schools will ordinarily elect the B.S. major. Those seeking a degree in elementary education who wish to be certified for teaching a foreign language should consult the chairperson of the department at their earliest convenience to plan their programs for an elementary education minor in foreign language.

Graduate Study in Foreign Languages

A reading knowledge of a second foreign language is essential to graduate study in languages. The student who expects to seek a graduate degree is advised to plan an undergraduate curriculum with a minor in a second language or with a double major.

*Courses in these languages are offered only whenever demand warrants.

Previous Instruction

1. Students who have had no previous instruction in a foreign language should enroll in the beginning course sequence (101-102-103).
2. Those with less than two years of high school language instruction should enroll in the first year review course in that language (105).
3. Students with two or three years of high school language should enroll in an intermediate course. Without written permission by the department chairperson, they cannot enroll in first-year courses for credit.
4. Those who have successfully completed four or more years in a high school language should register for 300 level courses.

Major in Languages (B.A. Degree)

The program is designed as a "secondary" complementary major for students whose primary major may lie in one of the academic fields listed below

and for those whose career plans proficiency in foreign languages and familiarity with their ethnic, cultural, and social background will be a valuable asset.

Anthropology-Sociology, Art, Business, English, Health Services, History, Library Science, Mass Communications, Music, Philosophy, Political Science, Social Services, Speech-Theatre.

Prerequisite

Students who wish to pursue the Major in Languages must simultaneously declare a "primary" major in another academic program.

Major Course Requirements 57 credits

Intermediate and advanced language and culture/civilization courses in Language I (30-34) (e.g., Fren:33/Ger:34/Span:30)

Beginning and intermediate language courses in Language II (24-27) (e.g., Span:24/Norw:27/Ger:27/Fren:24)

Electives in one of the languages or in a related field (only if needed to complete the required minimum of 57 credits)

Prerequisites to Language Majors

In each language major, the beginning level (101-102-103) is considered to be a prerequisite and is not applicable to the major.

Major in French (B.A. Degree)

Major Course Requirements 51 credits

Fren 201-202-203 Intermediate French I-II-III (12)

Fren 301-302-303 French Conversation and Composition I-II-III (9)

Fren 311-312-313 French Literature I-II-III (9)

Fren 321-322 French Culture and Civilization I-II (6)

Fren 401-402 Advanced French Composition and Conversation I-II (6)

Fren 411-412-413 French Literature IV-V-VI (9)

Recommended Electives in Related Fields

Art 233-234-235 History of Art I-II-III

Art 430-431-432 Modern Art I-II-III

Engl 380 World Literature

Hist 315-316-317 Medieval Europe, Renaissance, Reformation

Hist 359 National Histories (when applicable)

Hist 338-339 Intellectual History of Western Civilization I-II

Pol 250 Comparative Government of Western Europe

Pol 410 Western Political Thought

Spch 324, 326 Development of the Drama II-III

Major in French (Teaching)

Major Course Requirements 54 credits

B.A. Major Requirements (51)

Lang 340 Methods and Materials in Teaching Foreign Languages (3)

(See B.A. major for recommended electives in related fields)

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Minor in French 36 credits

Fren 201-202-203 Intermediate French I-II-III (12)

Fren 301-302-303 French Conversation and Composition I-II-III (9)

Fren 311-312-313 French Literature I-II-III (9)

Electives in French Culture-Civilization and/or Advanced French Composition-Conversation (6)

(See B.A. major for recommended electives in related fields)

Minor in French (Teaching) 36 credits

Fren 201-202-203 Intermediate French I-II-III (12)

Fren 301-302-303 French Conversation and Composition I-II-III (9)

Fren 311-312-313 French Literature I-II-III (9)

Lang 340 Methods and Materials in Teaching Foreign Languages (3)

Electives in French Culture-Civilization and/or Advanced French Composition-Conversation (3)

(This minor can be awarded only in combination with at least one teaching major.)

Major in German (B.A. Degree)

Major Course Requirements 56 credits

Ger 201-202-203 Intermediate German I-II-III (12)

Ger 311-312-313 Masterpieces of German Literature I-II-III (12)

Ger 331 German Culture and Civilization (4)

Ger 371-372-373 German Conversation and Composition I-II-III (9)

Ger 411 Survey of German Literature (4)

Ger 471-472-473 Advanced German Composition and Conversation I-II-III (9)

Electives in German Literature (6)

Recommended Electives in Related Fields

Hist 318-319-320 History of Germany I-II-III

Engl 380 World Literature

Phil 252 Modern Philosophy

Phil 410 Nineteenth Century Philosophy

Art 233-234-235 History of Art I-II-III

Major in German (B.S. Degree) (Teaching)

Major Course Requirements 55 credits

German 201-202-203 Intermediate German I-II-III (12)

Ger 311-312-313 Masterpieces of German Literature I-II-III (12)

Ger 331 German Culture and Civilization (4)

Ger 371-372-373 German Conversation and Composition I-II-III (9)

Ger 440 Advanced Seminar in German Language, Culture and Literature (3)

Any two of the following (At least 6 credits):

Ger 471-472-473 Advanced Composition and Conversation I-II-III (9)

Electives in German Literature (6)

Lang 340 Methods and Materials in Teaching Foreign Languages (3)

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Minor in German 37 credits

Ger 201-202-203 Intermediate German I-II-III (12)
 Ger 311-312-313 Masterpieces of German Literature
 I-II-III (12)

Ger 331 German Culture and Civilization (4)

Ger 371-372-373 German Conversation and
 Composition I-II-III (9)

(See B.A. major for recommended electives in
 related fields)

Minor in German (Teaching) 37 credits

Ger 201-202-203 Intermediate German I-II-III (12)

Ger 331 German Culture and Civilization (4)

Ger 371-372-373 German Conversation and
 Composition I-II-III (9)

Ger 440 Advanced Seminar in German Language,
 Culture, Literature (3)

Any two of the following (At least 6 credits):

Ger 471-472-473 Advanced Composition and
 Conversation I-II-III

Lang 340 Methods and Materials in Teaching Foreign
 Languages (3)

(Recommended electives include those listed under
 the B.A. major and the following sequence:

Ger 311-312-313 Masterpieces of German Literature
 I-II-III)

(This minor can be awarded only in combination
 with at least one teaching major.)

Major in Spanish (B.A. Degree)**Major Course Requirements 54 credits**

Span 211-212-213 Intermediate Spanish I-II-III (12)

Span 321-322-323 Spanish Conversation and
 Composition I-II-III (9)

Span 341-342-343 Introduction to Hispanic
 Literature I-II-III (12)

Any two of the following (At least 6 credits):

Span 425-426-427 Advanced Spanish
 Composition-Conversation I-II-III

Electives in Spanish Literature (At least 15 credits)

Recommended Electives in Related Fields

Study in another Foreign Language

Anthropology

Art History

European and Latin American History

Humanities and Literature (especially Classical)

Psychology

Major in Spanish (B.S. Degree) (Teaching)**Major Course Requirements 54 credits**

B.A. Major Requirements except Electives in
 Spanish Literature (39)

Electives in Spanish Literature (12)

Lang 340 Methods and Materials in Teaching
 Foreign Languages (3)

(See B.A. major for recommended electives in
 related fields)

(All Teacher Education Requirements shall be
 fulfilled to complete this major. See Academic
 Information.)

Minor in Spanish 36 credits

Span 211-212-213 Intermediate Spanish I-II-III (12)

Span 321-322-323 Spanish Conversation and
 Composition I-II-III (9)

Span 341-342-343 Introduction to Hispanic Literature
 I-II-III (12)

Electives in Spanish Literature (3)

(See B.A. major for recommended electives in
 related fields.)

Minor in Spanish (Teaching) 36 credits

All requirements for the non-teaching minor in
 Spanish except that the following should be
 substituted for 3 credits of electives in
 Spanish literature:

Lang 340 Methods and Materials in Teaching
 Foreign Languages (3)

(This minor can be awarded only in combination with
 at least one teaching major.)

Latin American Studies

The purpose of this interdepartmental program is
 an attempt to meet the needs of at least four
 types of students:

Those seeking careers in either business or
 government service.

Those who wish to enter college teaching, research,
 or Ibero-American Studies programs at major graduate
 schools where the emphasis will be upon Latin
 America.

Those who wish to combine a concentration in Latin
 American Studies with their regular departmental
 major, including teaching majors at the secondary
 level.

Those who wish to broaden their education and
 acquire a better understanding of people and
 problems of Latin America.

Minor in Latin American Studies 32-35 credits

Anth 215 Indians of South America (4) or

Anth 220 Indians of Middle America (4)

Geog 318 Geography of Middle America (3) or

Geog 319 Geography of South America (3)

Hist 271-272 Latin America (8) or

Hist 403 Seminar (8)

Span 321-322-323 Conversation and Composition or
 Span 341-342-343 Introduction to Hispanic

Literature (9-12)

Econ 330 Economic Development (4)

Pol 160 International Relations (4) or

Pol 352 Political Problems in Developing Countries (4)

Library Science

See Media Education for Curricula.

Management Science

See Business Administration for Curricula.

Manual Arts Therapy

See Industrial Education for Curricula.

Marketing

See Business Administration for Curricula.

Mass Communications

The major in Mass Communications at Moorhead State University, requiring 51 hours and leading to a Bachelor of Science degree, includes three areas of concentration: News-Editorial (print journalism), Broadcast News and Advertising and Public Relations.

An interest in writing, ability in typing and a potential to communicate news and information through written and visual processes are basic requirements for students selecting this major. Students are also introduced to the ways in which photography and graphics are used to convey news and information.

A primary concern in this program is to encourage students to develop a talent for gathering information and an ability to quickly determine and communicate what is meaningful and important to audiences they wish to reach. In addition to offering an entry to the basic theories and skills needed, the program encourages students to study broadly and draw upon the many departments of the university for more insights and understanding. The resources of the social sciences are especially recommended.

No more than 70 credit hours in Mass Communications may be applied toward the 192 hours required for graduation from Moorhead State University.

The Mass Communications Department also offers a minor, requiring 30 credit hours, a dual major in English and Mass Communications leading to a Bachelor of Arts degree.

Major in Mass Communications (B.S. Degree)

Major Requirements in Mass Communications 51 credits

- MC 200 Introduction to Mass Communications (3)
- MC 205 Beginning News Writing (3)
- MC 215 Visual Communications (3)
- MC 230 Communications Photography I (3)
- MC 304 History of American Journalism (3)
- MC 360 Mass Media and Society (3)
- MC 440 Communications Law and Civil Rights (3)
- MC 460 Responsibility of the Mass Media (3)

One of the Concentrations of General Areas listed below (27)

News-Editorial Concentration

- Required: The core courses and
- MC 305 Advanced News Writing (3)
 - MC 310 Copy Editing (3)
 - MC 315 Layout and Typography (3)
 - MC 330 Communications Photography II (3)
 - MC 400 Reporting of Public Affairs (3)
 - MC 420 Interpretive Reporting (3)
 - MC 425 News-Editorial Seminar (3)

Any two of the following:

- MC 318 Advertising Principles (3)
- MC 340 Public Relations Principles (3)
- MC 416 Advertising Copywriting (3)
- MC 425 News-Editorial Seminar (3)
- MC 430 Communications Photography III (3)
- MC 469 Internship (3-16) *

Advertising/Public Relations Concentration

- Required: The core courses and
- MC 315 Layout and Typography (3)
 - MC 318 Advertising Principles (3)
 - MC 330 Communications Photography II (3)
 - MC 340 Public Relations Principles (3)
 - MC 419 Advanced Advertising/Public Relations (3)

Any four of the following (12-13):

- MC 305 Advanced News Writing (3)
- MC 310 Copy Editing (3)
- MC 325 Radio and Television Performance (4)
- MC 350 Basic Television Production (3)
- MC 410 Public Information Processes (3)
- MC 416 Advertising Copywriting (3)
- MC 469 Internship (3-16) *

Broadcast News Concentration **

- Required: The core courses and
- MC 305 Advanced News Writing (3)
 - MC 320 Broadcast Journalism (3)
 - MC 325 Radio and Television Performance (4)
 - MC 350 Basic Television Production (3)
 - MC 355 Television News Writing (3)
 - MC 400 Reporting of Public Affairs (3)

Any three of the following (9):

- MC 250 History of Film (4)
- MC 355 Television News Film-making (3)
- MC 420 Interpretive Reporting (3)
- MC 425 News-Editorial Seminar (3)
- MC 469 Internship (3-16) *

*All hours earned under an internship assignment count toward graduation, but only THREE hours may be applied to the major.

**The 4-credit speech courses in this sequence require the student to complete 52 hours for the major.

NOTE: Students interested in the performance phases of radio, television, and film should consider majoring in Speech Communication with a concentration in radio, television and film.

General Mass Communications

This area permits some flexibility in structuring courses to meet individual needs. It is especially recommended for students who are less interested in career preparation and more interested in testing and developing their abilities of self-expression, written or visual, or who seek Mass Communications as a second major. The following requirements are stipulated for the general major in Mass Communications.

Complete the required core of 24 hours and 27 additional hours of Mass Communications courses agreed upon by the student and his/her advisor.

36 hours of the 51 hours required for the major must be at the 300 level or above.

At least 70 hours of the 192 hours required for graduation must be at the 300 level or above.

Minor in Mass Communications

Required:

- MC 200 Introduction to Mass Communications (3)
- MC 205 Beginning News Writing (3)
- MC 215 Visual Communications (3)
- MC 230 Communications Photography I (3)

Any two of the following:

- MC 304 History of American Journalism (3)
- MC 360 Mass Media and Society (3)
- MC 440 Communications Law and Civil Rights (3)
- MC 360 Responsibility of the Mass Media (3)

And 12 hours of Mass Communications electives at the 300 level or above.

Dual Major in English and Mass Communications (B.A. Degree) 102 credits

Major Requirements in English 57 credits

CORE REQUIREMENT 28 credits
(See B.A. Major)

WRITING REQUIREMENT 6 credits

Two of the following:

- Engl 251 Film Writing (3)
- Engl 287 Technical Report Writing (3)
- Engl 288 Introduction to Creative Writing (3)

ELECTIVES IN ENGLISH 23 credits

Note: At least 15 credits must be taken at the 300 and 400 levels and at least 8 of these credits must cover material before the 19th century. Other suggested electives: English 388 (Creative Writing) and English 488 (Advanced Creative Writing). Electives should be chosen by student in close consultation with his advisor.

Major Requirements in Mass Communications 45 credits

CORE REQUIREMENT 21 credits

- MC 200 Intro to Mass Communications (3)
- MC 205 Beginning News Writing (3)
- MC 215 Visual Communications (3)
- MC 230 Communications Photography I (3)
- MC 304 History of American Journalism (3)
- MC 440 Communications Law and Civil Rights (3)
- MC 460 Responsibility of the Mass Media (3)

ELECTIVES IN MASS COMMUNICATIONS 24 credits

Note: Electives in Mass Communications should be agreed upon by the student and his advisor. At least 70 credits of the 192 needed for graduation must be at the 300 level or above.

Mathematics

Major in Mathematics (B.A. Degree)

Major Course Requirements 54 credits

- Math 231-232-233-234 Calculus I-II-III-IV (16)
- Math 327 Introduction to Linear Algebra (4)
- Math 391 Foundations of Mathematics (4)
- Math 392 Intermediate Calculus (4)
- Math 424 Abstract Algebra I (4)

Electives in Mathematics - 300 level and above, including at least 12 credits in either Group A or Group B below (22):

Group A: Math 425, 427, 461, 474

Group B: Math 450, 465, 467, 466, 475, 476

(Math 440 and 445 may not be applied to the B.A. major)

Major in Mathematics (B.S. Degree) (Teaching)

Major Course Requirements 57 credits

- Math 231-232-233-234 Calculus I-II-III-IV (16)
- Math 327 Introduction to Linear Algebra (4)
- Math 375 Intermediate Probability and Statistics (4)
- Math 391 Foundations of Mathematics (4)
- Math 392 Intermediate Calculus (4)
- Math 415 Foundations of Geometry (4)
- Math 424 Abstract Algebra I (4)
- Math 440 Mathematics in the Secondary School (3)
- Electives in Mathematics - 300 level and above (At least 14)

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Minor in Mathematics 31 credits

- Math 231-232-233-234 Calculus I-II-III-IV (16)
- Electives in Mathematics - 300 level and above (At least 15)
- Math 440 and 445 may not be applied to the B.A. minor.

Minor in Mathematics (Teaching) 34 credits

Math 231-232-233-234 Calculus I-II-III-IV (16)

Three of the following four courses (12):

- Math 327 Introduction to Linear Algebra (4)
- Math 375 Intermediate Probability and Statistics (4)
- Math 391 Foundations of Mathematics (4)
- Math 415 Foundations of Geometry (4)

Math 440 Mathematics in the Secondary School (3)
Electives in Mathematics - 300 level and above (3)

(This minor can be awarded only in combination with at least one teaching major.)

Minor in Mathematics (For Elementary Education Majors) 35 credits

- Math 100 Intro to Mathematics (4)
- Math 203 Foundations of Number Systems (4)
- Math 231-232 Calculus I-II (8)
- Math 327 Introduction to Linear Algebra (4)
- Math 375 Intermediate Probability and Statistics (4)
- Math 391 Foundations of Mathematics (4)
- Math 415 Foundations of Geometry (4)
- Electives in Mathematics or Computer Science (3)

Area of Concentration (For Elementary Education Majors) 20 credits

- Math 100 Intro to Mathematics (4)
- Math 203 Foundations of Number Systems (4)
- Math 231 Calculus I (4)
- Electives in Mathematics (8)

Medical Technology

See Biology for Curricula.

Media Education

Coordinator of Audiovisual Education

Requirements

A valid teaching certificate.

Earned credits in at least two of the areas of Educational Administration, Elementary School Curriculum, High School Curriculum, and Supervision and Improvement of Instruction.

At least one course in audiovisual methods and one course in audiovisual administration.

Director of Audiovisual Education

Requirements

A valid teaching certificate.

Earned credit in each of the following: Educational Administration, Elementary School Curriculum, High School Curriculum, and Supervision and Improvement of Instruction.

At least 15 quarter hours in audiovisual education courses.

At least 2 years of successful teaching experience.

School Library Certificate

Requirements: 25 credits

MeEd 390 Cataloging and Classification (4)

MeEd 380 Basic Reference Materials and Services (3)

MeEd 430g Administration of the School Media Center (4)

MeEd 400g Materials for the Elementary School (4)

MeEd 410g Materials for the Secondary School (4)

MeEd 420g Media Services in Elementary and Secondary Schools (3)

MeEd 460g Practicum in School Media Services (3)

Media Generalist Certificate

A Media Generalist is qualified to work at a specialized professional level in both print and non-print areas (library science, audiovisual education, and other emerging instructional technologies) in an elementary or secondary school or at the district level.

Requirements 47-50 credits

MeEd 300g AV Materials and Methods (3)

MeEd 310 Basic Photography for Educators (3)

MeEd 320g Production of Audiovisual Materials (3)

MeEd 330g Development of Audiovisual Presentations (3)

MeEd 340g Television in Education

MeEd 380 Basic Reference Materials and Services (3)

MeEd 390 Cataloging and Classification (4)

MeEd 400g Materials for the Elementary School (4)

MeEd 410g Materials for the Secondary School (4)

MeEd 420g Media Services in Elementary and Secondary Schools (3)

MeEd 430g Administration of the School Media Center (4)

MeEd 450g Problems in Media Education (3) OR

MeEd 460 Practicum in School Media Services (3)

Educ 442g Curriculum Foundations (4)

Electives

Ed 449g Developmental Reading (4)

ComS 100 Computer Concepts and Society (4)

ComS 310 Computers in Education I (3)

MC 350 Basic Television Production (3)

Media Education Minor

The minor in Media Education is designed for students working toward teaching certificates at either the elementary or secondary level, and/or for students desiring media certification. This minor provides considerable flexibility in order to meet the needs of either group of students. Those who are classroom bound can elect courses that will provide training in areas most appropriate for their needs, e.g., MeEd 320 and 330, and MeEd 400 and 410. Students desiring certification can select courses which will apply for both the certificate and for the minor.

Requirements 36-40 credits

Core Courses Required of ALL Minors

MeEd 300g Audiovisual Materials and Methods (3)

MeEd 310 Basic Photography for Educators (3)

MeEd 320g Production of Audiovisual Materials (3) OR

MeEd 330g Development of Audiovisual

Presentations (3)

MeEd 340g Television in Education (3)

MeEd 380 Basic Reference Materials and Services (3)

MeEd 400g Materials for the Elementary School (4) OR

MeEd 410g Materials for the Secondary School (4)

MeEd 420g Media Services in Elementary and

Secondary Schools (4)

MeEd 430g Administration of the School Media

Center (4)

Elect from the following to complete requirements:

MeEd 320g Production of Audiovisual Materials

OR (whichever not elected above)

MeEd 330g Development of Audiovisual Presentations

MeEd 390 Cataloging and Classification

MeEd 400g Materials for the Elementary School (4)

OR (whichever was not elected above)

MeEd 410g Materials for the Secondary School (4)

MeEd 450 Practicum in School Media Services (3)

MeEd 490g History of Books and Printing (3)

Ed 430g Human Relations Through Children's Literature (1-3)

Ed 442g Curriculum Foundations (4)

Ed 449g Developmental Reading (3)

ComS 100 Computer Concepts and Society (4)

Engl 392 Adolescent Literature (3)

MC 350 Basic Television Production (3)

Minority Group Studies

Areas of Study: Minority Group Studies, Afro-American Studies, American Indian Studies, Mexican American Studies.

The Minority Group Studies Department offers a series of interdisciplinary courses which serve as follows: fulfillment of general studies requirements in the social sciences and humanities areas; electives for interested students; specific areas of concentration related to existing major or minor curricula and courses in the Human Relations Program for teacher certification. These objectives may be developed as minors in (1) Minority Group Studies, (2) Afro-American Studies, (3) American Indian Studies, and (4) Mexican Studies or as an individualized major program for the B.S. or B.A. Degree.

A unique feature of the program is that the student may focus on the character of single cultures or cultural styles or on several cultures or cultural styles.

Minor in Afro-American Studies 28 credits

MGS 100 Introduction to Minority Group Studies (4)
MGS 101 The Afro-American Experience (4)
MGS 211 The Black Community (4)
MGS 221 Afro-American Literature I (4)
MGS 311 Intro to Afro-American Art (4)
MGS 451g Seminar on the Afro-American (4)
Hist 100 Highlights of African History (3)
MGS 461g Readings: Afro-American (1)

Electives in Related Fields 12 credits

AmSt 217 Intro to the American Culture (4)
AmSt 317 Topics in American Culture (4)
AmSt 417 Seminar in American Culture (4)
Anth 230 Cultures of Africa (4)
Ed 488g Education for the Culturally Different (3)
Hist 261 History of Africa I (3)
Hist 262 History of Africa II (3)
Hist 263 History of Africa III (3)
MGS 300 Topics in Minority Group Studies (3-4)
MGS 321 Afro-American Literature II: Poetry and Drama (4)
MGS 461 Readings on the Afro-American (1-3)
MGS 469 Student Internship (3-16)
SoWk 431 Social Policy/Legislation (4)
Soc 310 Majority/Minority Group Relations (3)

Minor in American Indian Studies 24 credits

MGS 100 Intro to Minority Group Studies (4)
MGS 102 The Contemporary American Indian (4)
MGS 202 Traditional American Indian Cultures (4)
MGS 332 Indians of the Southwest (4)
MGS 402 Indians of Minnesota (4)
MGS 452g Seminar on the American Indian (4)

Electives in Related Fields 16 credits

Anth 215 Indians of South America (4)
Anth 220 Indians of Middle America (4)
Anth 225 Indians of North America (4)
AmSt 217 Introduction to the American Culture (4)
AmSt 317 Topics in American Culture (4)
AmSt 417 Seminar in American Culture (4)
Ed 488g Education for the Culturally Different (3)
MGS 300 Topics in Minority Group Studies (3-4)
MGS 462g Readings on the American Indian (1-3)
MGS 469 Student Internship (3-16)
SoWk 431 Social Policy/Legislation (4)
Soc 310 Majority/Minority Group Relations (3)
Any other course with the approval of the Minority Group Studies Department.

Minor in Mexican American Studies 24 credits

MGS 100 Intro to Minority Group Studies (4)
MGS 103 The Contemporary Mexican American (4)
MGS 203 Mexican American Culture (4)
MGS 453 Seminar on the Mexican American (4)
Anth 220 Indians of Middle America (4)
Hist 311 Mexican American History (4)

Electives in Related Fields 16 credits

AmSt 217 Intro to the American Culture (4)
AmSt 317 Topics in American Culture (4)
AmSt 417 Seminar in American Culture (4)
Ed 488g Education for the Culturally Different (3)
Hist 309 Studies in Latin-American History (3-4)
Hist 271 History of Latin America I (4)
Hist 272 History of Latin America II (4)
MGS 463 Readings on the Mexican American (1-3)
MGS 469 Student Internship (3-16)
Pol 353 Politics of Latin America (3)
SoWk 431 Social Policy/Legislation (4)
Soc 310 Majority/Minority Group Relations (3)
Span 341 Intro to Hispanic Literature I (4)
Span 342 Intro to Hispanic Literature II (4)
Span 434 Spanish American Prose Fiction I (3)
Span 435 Spanish American Prose Fiction II (3)
Any other courses with the approval of the Minority Group Studies Department.

Minor in Minority Group Studies 31 credits

MGS 100 Intro to Minority Group Studies (4)
MGS 202 Traditional American Indian Culture (4)
MGS 203 The Mexican American Culture (4)
MGS 211 The Black Community (4)
MGS 451 Seminar on the Afro-American (4)
MGS 452 Seminar on the American Indian (4)
MGS 453 Seminar on the Mexican American (4)
Soc 310 Majority/Minority Group Relations (3)

Electives in Related Fields 12 credits

AmSt 217 Introduction to the American Culture (4)
AmSt 317 Topics in American Culture (4)
AmSt 417 Seminar in American Culture (4)
Anth 215 Indians of South America (4)
Anth 220 Indians of Middle America (4)
Anth 225 Indians of North America (4)
Anth 230 Cultures of Africa (4)
Ed 488g Education for the Culturally Different (3)
Hist 261 History of Africa I (3)
Hist 262 History of Africa II (3)

Hist 263 History of Africa III (3)
 Hist 309 Studies in Latin American History (3)
 Hist 311 Mexican American History (3)
 MGS 300 Topics in Minority Group Studies (3-4)
 MGS 321 Afro-American Literature II: Poetry and Drama (4)
 MGS 461 Readings on the Afro-American (1-3)
 MGS 462g Readings on the American Indian (1-3)
 MGS 463 Readings on the Mexican American (1-3)
 MGS 469 Student Internship (3-16)
 Pol 353 Politics of Latin America (3)
 SoWk 431 Social Policy/Legislation (4)
 Soc 310 Majority/Minority Group Relations (3)
 Span 341 Intro to Hispanic Literature I (3)
 Span 342 Intro to Hispanic Literature II (3)
 Span 434 Spanish American Prose Fiction I (3)
 Span 435 Spanish American Prose Fiction II (3)
 Any other courses with the approval of the Minority Group Studies Department.

Multidisciplinary Studies

The New Center for Multidisciplinary Studies offers both career-oriented programs leading to the Associate of Science degree and general education courses to meet general education requirements for the Associate and Bachelor of Arts degrees.

All Multidisciplinary Studies courses have specifically defined competencies that the student masters. The number of credits the student earns in any course is based on the number of objectives he achieves. Grades awarded are Satisfactory (S) for course objectives mastered and No Credit (N) if none of the objectives are completed.

See also "The New Center" in the General Information Bulletin.

Music

The curricula listed below include majors and minors leading to the degree of Bachelor of Arts or Bachelor of Science (teaching). Graduate programs for the Master of Science in Education (Music) are likewise offered, and detailed information is available from the Dean of Graduate Studies.

Private Lesson Fees

There are no private lesson fees for full-time music majors and minors at Moorhead State University, although such lessons can be offered only to the extent permitted by instructors' schedules.

Requirement of Senior Recital

Each major is required to give a recital as part of his enrollment in the senior year. A candidate for the Bachelor of Arts degree must give a full recital. A candidate for the Bachelor of Science (teaching) may satisfy this requirement by presenting a half recital.

Teacher Certification in Music

Students seeking teacher certification in both instrumental and vocal music should select the combined major with a concentration in one of the areas of voice, piano, or instrument. Also required are the professional education courses (31 credits) described under Education Curricula — Secondary School Teaching.

Transfer Students

Students transferring from other colleges will be examined upon entrance for advanced placement into the Comprehensive Musicianship program.

MAJORS IN MUSIC (B.A. Degree)

Core Courses for ALL B.A. Majors 90 credits

Mus 101-102-103 Comprehensive Musicianship I-II-III (18)

Mus 201-202-203 Comprehensive Musicianship IV-V-VI (18)

Mus 301 Comprehensive Musicianship VII (12)

Electives - Six hours in music courses other than music performance or ensembles.

Class or Private Lessons in Major Performance Area (24 - 2 each quarter)

Music Ensemble (12 - 1 each quarter)

Major in Voice (B.A. Degree) 99 credits

B.A. Core Courses in Music (90)

Class and Private Piano Lessons or Equivalent Proficiency (6)

Mus 114-115-116 Diction for Singers I-II-III (3)

Major in Piano (B.A. Degree) 96 credits

B.A. Core Courses in Music (90)

Mus 404 Small Piano Ensemble (2)

Mus 441-442 Piano Pedagogy I-II (4)

Major in String Instruments (B.A. Degree) 96 credits

B.A. Core Courses in Music (90)

Class and Private Piano Lessons (6)

Major in Wind or Percussion Instruments (B.A. Degree) 96 credits

B.A. Core Courses in Music (90)

Class and Private Piano Lessons (6)

MAJORS IN MUSIC (B.S. Degree) (Teaching)

Core Courses for ALL B.S. Majors 63 credits

Mus 101-102-103 Comprehensive Musicianship I-II-III (18)

Mus 201-202-203 Comprehensive Musicianship IV-V-VI (18)

Mus 301 Comprehensive Musicianship VII (12)

Mus 344 General Music in the Public School (2)

Electives - Two hours in music courses other than music performance or ensembles (2)

Music Ensemble (11 - 1 each quarter except Student Teaching)

Major in Vocal Music (Teaching) 96 credits

B.S. Core Courses in Music (63)

Class or Private Lessons in Voice or Piano (22)

Class or Private Lessons in Remaining Area (6)

Mus 114-115-116 Diction for Singers I-II-III (3)

Mus 345 Vocal Music in the Public School (2)

Major in Instrumental Music (Teaching) 98 credits

B.S. Core Courses in Music (63)
 Class or Private Lessons in Major Instrument (22)
 Class or Private Lessons in Piano (3)
 Class Lessons in Strings, Woodwinds, Brass,
 Percussion (8)
 Mus 341 Organization of the Instrumental Program (2)

Major in Vocal and Instrumental Music (Teaching)

One of the following concentrations may be selected:

Concentration in Vocal Music 107 credits

B.S. Major in Vocal Music (96)
 Class or Private Lessons in One Wind or String
 Instrument (3)
 Class Lessons in Strings, Woodwinds, Brass,
 Percussion (8)

Concentration in Instrumental Music 104 credits

B.S. Major in Instrumental Music (98)
 Class Lessons in Voice (3)
 Mus 114-115-116 Diction for Singers I-II-III (3)
 (All Teacher Education Requirements shall be
 fulfilled to complete this major. See Academic
 Information.)

Minor in Music 42 credits

Mus 101-102-103 Comprehensive Musicianship
 I-II-III (18)
 Class or Private Lessons in One Major Performance
 Area (6)
 Music Ensemble (6)
 Electives in Music (12)
 (Elementary Education majors must include Mus 308
 Survey of Music Literature I) among the electives.)

The New Center

See Multidisciplinary Studies for Curricula.

Nursing Program

The nursing department offers a two year upper
 division baccalaureate degree program for diploma
 and associate degree registered nurses.

The Nursing Program requires 50 upper division
 credits in the nursing major. These courses are
 distributed over six quarters:

YEAR I**Fall Quarter**

Nsg 300 Role of Nursing Within Health Care (2)
 Nsg 320 Community Health Nursing I (5)
 Nsg 350 Physical Assessment (5)

Winter Quarter

Nsg 321 Community Health Nursing II (5)
 Nsg 310 Interaction and Change for Nurses I (3)

Spring Quarter

Nsg 322 Community Health Nursing III (5)
 Nsg 311 Interaction and Change for Nurses II (3)

YEAR II**Fall Quarter**

Nsg 450 Community Preceptorship I (4)
 Nsg 410 Nursing Research (2)
 Nsg 415 Microteaching for Nurses (2)

Winter Quarter

Nsg 451 Community Preceptorship II (4)
 Nsg 460 Nursing Management/Leadership (4)

Spring Quarter

Nsg 452 Community Preceptorship III (4)
 Nsg 412 Seminar on Professional Problems (2)

Admission Requirements

Current RN license

Current malpractice insurance

Twelve months work experience as an RN, within the
 last five years.

Completion of a minimum of 32 general studies
 credits.

Submission of nursing department application form,
 references, and essay.

Admission to Moorhead State University with
 advanced standing. (\$10.00 application fee).

The nursing department reserves the right to
 select the best qualified applicants. Submission of
 application does not automatically guarantee
 admission to the Nursing Program. Maximum class
 size will be 30 students and is based upon number
 of faculty and available clinical facilities.

Graduation Requirements

Completion of 192 credits which must include 64
 general studies credits and 50 credits in the
 upper division nursing major.

Pharmacy**Cooperative Degree Program**

Although no courses in this field are offered at
 MSU, a cooperative agreement with North Dakota State
 University permits a student to take two years of
 courses as an MSU student, concurrently pursuing
 courses in this specialty at NDSU. The student
 need only transfer for the fourth year to North
 Dakota State University, may pay in-state tuition
 under a reciprocity agreement and will receive the
 degree from that institution.

Philosophy

Philosophy courses are designed to encourage
 critical thinking about and examination of beliefs
 related to basic aspects of human existence (such
 as morality, religion, society, the self, and
 knowledge) as well as to make students aware of
 what past and present thinkers have said about these
 issues. The philosophy major is suitable for
 students planning to enter such professions as
 law and theology and for those desiring a general
 liberal arts background, as well as for those
 planning on graduate study in philosophy. Philosophy
 is especially suitable as a second major (or as
 a minor) combined with almost any other major, since
 it provides a student with an opportunity to explore
 the philosophical bases of his or her other major.

Major in Philosophy (B.A. Degree)**Major Course Requirements 52 credits**

Phil 110 Logic (4)
 Phil 115 Ethics (4)
 Phil 250 Classical Philosophy (4)
 Phil 251 Late Classical and Medieval Philosophy (4)
 Phil 252 Modern Philosophy (4)
 Electives in Philosophy, including at least 24 credits at the 300 and 400 level (32)

Language Recommendation

There is no language requirement for the major in philosophy; however, students planning to do graduate work in philosophy should carefully consider the desirability of intensive work in one or more languages. German, French, or Greek are typically most relevant to graduate work. Early consultation with a faculty advisor is recommended.

Minor in Philosophy 32 credits

At least one of the following (4)
 Phil 101 Discovering Philosophy
 Phil 110 Logic
 Phil 115 Ethics

At least one of the following (4)

Phil 250 Classical Philosophy
 Phil 251 Late Classical and Medieval Philosophy
 Phil 252 Modern Philosophy

At least four additional credits at 200 level (4)
 Electives in Philosophy, including at least 12 credits at the 300 and 400 level (20)

Physical Education

See Health-Physical-Education-Recreation for Curricula.

Physics-Astronomy

Areas of Study: Astronomy, Physics

Major in Physics (B.S. Degree)**Major Requirements in Physics 65 credits**

Phys 200-201-202 General Physics I-II-III (15)
 Phys 299-300-301 Experimental Physics I-II-III (6)
 Phys 330-331 Mechanics I-II (6)
 Phys 340 Electronics (4)
 Phys 370-371 Electromagnetic Theory I-II (6)
 Phys 399 Thermodynamics (4)
 Phys 430 Introduction to Wave Mechanics (3) or
 Phys 322 Elementary Modern Physics (3)
 Phys 450-451 Advanced Physics Laboratory I-II (2)
 Phys 490 Physics Seminar (1)
 Electives in Physics - 18 hours with at least 15 hours at the 300 level or higher.

Requirements in Related Fields 20 credits

Math 231-232-233-234 Calculus I-II-III-IV (16)
 Math 331 Differential Equations (4)

Minor in Physics (B.A. or B.S. Degree)**Minor Requirements in Physics 34 credits**

Phys 200-201-202 General Physics I-II-III (15)
 Phys 299-300-301 Experimental Physics I-II-III (6)
 Phys 322 Elementary Modern Physics (3)
 Phys 340 Electronics (4)
 Approved Electives in Physics (6)

Minor in Astronomy (B.A. or B.S. Degree) 37-40 credits

The minor is primarily intended for liberal arts students, to broaden their perspective. It is not sufficient to qualify a person to do professional work in astronomy, nor in general will it qualify a person for graduate work in astronomy. For those interested in astronomy as a career, a physics and/or mathematics major is strongly urged.

Minor Requirements in Astronomy

Ast 100 Intro to Astronomy and Space Science (4)
 Ast 101 Observation Astronomy (3)
 Ast 230 Topics in the History of Astronomy (4)
 Ast 260 Planetary Science (4)
 Phys 111-112-113 Elementary Physics I-II-III (12) or
 Phys 200-201-202 General Physics I-II-III (15)
 Approved Electives in Astronomy, Physics or
 Geology including one of the following courses (10):
 Ast 300 Topics in Modern Astronomy (1)
 Ast 499 Topics in Advanced Astronomy (1)
 Phys 450 Advanced Physics Laboratory (1)

Major in Physical Science (B.S. Degree) (Teaching)

(For certification in Physical Science, Grades 7-12)

Core Courses Required of ALL Students 65 credits

Biol 111-113-123 Cell Biology, General Zoology:
 Vertebrate, General Botany (12)
 Chem 111-112-113-111L-112L-113L General
 Chemistry (15)
 Phys 200-201-202 General Physics (15)
 Ast 101 Observational Astronomy (3)
 Math 231-232-233 Calculus I-II-III (12)
 Sci 440 Earth and Physical Science Teaching
 Methods (2)
 Phys 485 Physics Methods for Secondary School (1)
 Chem 485 Chemistry Teaching Methods (1)
 Geol 115 Physical Geology (4)

In addition to the core, each student will study more advanced courses in both physics and chemistry. Depending on individual interests, the student may choose any one of three options.

Option 1. General 37 credits

Chem 237-238-237L-238L Organic Chemistry (8)
 Chem 340 Intro to Physical Chemistry (4)
 Chem 361 Intro to Biochemistry (4)
 Phys 340 Electronics (4)
 Phys 322 Elementary Modern Physics (3)
 Phys 299-300-301 Experimental Physics I-II-III (6)
 Approved electives in Physics (6)
 Chemistry 480 Chemistry Seminar (1)
 Phys 490 Physics Seminar (1)

Option 2. Chemistry emphasis 36 credits

Chem 231-232 (or 237-238) 234-235 Organic
 Chemistry (10)
 Chem 341-342-345 Physical Chemistry (8)
 Chem 361 Intro to Biochemistry (4)
 Chem 452-453 Inorganic Chemistry (6)
 Chem 480 Chemistry Seminar (3)
 Phys 322 Elementary Modern Physics (3)
 Phys 299 Experimental Physics (2)

Option 3. Physics emphasis 44 credits

Chem 237-238-237L Organic Chemistry (7)
 Chem 341-342 Physical Chemistry (6)
 Chem 345 Physical Chemistry Lab (2)
 Phys 340 Electronics (4)
 Phys 322 Elementary Modern Physics (3)
 Phys 330 Intermediate Mechanics I (3)
 Phys 299-300-301 Experimental Physics I-II-III (6)
 Approved electives in Physics (at 300 or 400 level) (8)
 Math 234 Calculus IV (4)
 Phys 490 Physics Seminar (1)

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Political Science**Major in Political Science (B.A. Degree)****Major Requirements in Political Science 48 credits**

Pol 110 Political Science as Discipline (4)
 Pol 120 National Government (4)
 Pol 160 International Relations (4)
 Pol 250 Comparative Governments of Western Europe (4)
 Pol 410 Topics in Western Political Thought (4)

At least one quarter of any 400-level seminar to be selected by the student (3-4).

Electives in Political Science (24-25).

Requirements in Related Areas 36 credits

Electives in the following areas, including at least two courses each in two of the areas (36):

American Studies or Minority Group Studies
 Anthropology or Sociology
 Economics
 Geography
 History
 Mass Communications or Speech
 Philosophy
 Psychology

Orientation Requirement in Research Tools

Depending on particular interests, the student will, in consultation with an advisor, fulfill a one-year orientation program in appropriate research tools to consist of one course per quarter in one or more of the following areas: language, statistics, computer science, or mathematics. The program may be a combination of courses from more than one field or a sequence in one area.

Major in Political Science (Social Studies) (Teaching)

This program is only effective for students graduating before June, 1979. See Social Studies for requirements after that date.

Major Course Requirements 31 credits

Pol 110 Political Science as a Discipline (4)
 Pol 120 National Government (4)
 Pol 250 Comparative Government of Western Europe (4)
 Pol 160 International Relations (4)
 Pol 410 Topics in Western Political Thought (4)

At least one quarter of any 400-level seminar to be selected by the student (3-4).

Electives in Political Science (At least 8 credits)
 Ed 440 Social Studies in the Secondary School (3)
 Anthropology or Sociology
 History
 Economics
 Geography

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Minor in Political Science 24 credits

Pol 110 Political Science as a Discipline (4)
 Pol 120 National Government (4)
 Pol 160 International Relations (4)
 Pol 250 Comparative Governments of Western Europe (4)
 Pol 410 Topics in Western Political Thought (4)
 At least one quarter of any 400-level seminar to be selected by the student (3-4).

Electives in Political Science: One course.

Psychology**Major in Psychology (B.A. Degree)****Major Requirements in Psychology 56 credits**

Psy 103-104-105 Introductory Psychology I-II-III (12)*
 Psy 106-107 Introductory Psychology Laboratory I-II (2)
 Psy 231-232 Psychological Statistics and Methodology I-II (10)

Any two of the following courses (8):

Psy 442 Learning
 Psy 444 Motivation and Emotion
 Psy 445 Physiological Psychology
 Psy 446 Perception
 Psy 447 Comparative
 Psy 481 Seminar in Psychology (4)

Electives in Psychology 20 credits; at least 16 should be at the 300 level or above.

*Psy 101-115-117 may be substituted with departmental approval. The student should maintain "B" level work in substitute courses.

Requirements in Related Fields 4 credits

Math 121 College Algebra (4) or equivalent mathematics proficiency.

Major in Psychology (Teaching)**Major Requirements in Psychology 60 credits**

Psy 103-104-105 Introductory Psychology I-II-III (12)*
 Psy 106-107 Introductory Psychology Laboratory I-II (2)
 Psy 231-232 Psychological Statistics & Methodology I-II (10)
 Psy 346 Principles of Learning (4)
 Psy 351 Individual Differences (4)
 Psy 440 Psychology in the Secondary Schools (4)
 Psy 481 Seminar in Psychology (4)

Electives in Psychology (20) Sixteen credits should be at the 300 level or more.

*Psy 101-115-117 may be substituted with departmental approval. The student should maintain "B" level work in substitute courses.

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Minor in Psychology 38-39 credits

Psy 103-104-105 Introductory Psychology I-II-III (12)*

Psy 106-107 Introductory Psychology Laboratory I-II (2)

One of the following (4-5):

Psy 231 Psychological Statistics and Methodology (4)

Math 274 Introduction to Statistics (4)

Soc 350 Methods of Social Research (4)

Psy 346 Principles of Learning (4)

Electives in Psychology, including one of the following sequences and one additional course (16):

Clinical — Psy 460, 465, 476

Developmental — Psy 401-402-403

Differential — Psy 301, 352, 353

Social — Psy 320-321-322

*Psy 101-115-117 may be substituted with departmental approval. The student should maintain "B" level work in substitute courses.

Minor in Psychology (Teaching) 38-39 credits

This minor is designed specifically for those prospective secondary school teachers who also seek to be qualified as part-time teachers of psychology. To qualify for this minor the student must complete a secondary teaching major in another field and earn a B.S. (Teaching) degree.

Psy 103-104-105 Introductory Psychology I-II-III (12)*

Psy 106-107 Introductory Psychology Laboratory I-II (2)

One of the following (4-5):

Psy 231 Psychological Statistics and Methodology (4)

Math 274 Introduction to Statistics (4)

Soc 350 Methods of Social Research (4)

Psy 321 Social Psychology (4)

Psy 346 Principles of Learning (4)

Psy 351 Individual Differences (4)

Psy 440 Psychology in the Secondary School (3)

Psy 460 Abnormal Psychology (4)

*Psy 101-115-117 may be substituted with departmental approval. The student should maintain "B" level work in substitute courses.

(This minor can be awarded only in combination with at least one teaching major.)

Scandinavian Studies

The Scandinavian studies program at Moorhead State University is an interdepartmental offering involving the Departments of Art, English, Languages and History.

Scandinavian studies includes counseling and academic work in a cohesive program devoted to the languages, literature, history, culture, and society of the Scandinavian peoples of northern Europe as well as their relationship to the American society. It attempts to meet the needs of:

1. Those interested in their own cultural heritage or that of a great share of the inhabitants of the Upper Midwest.
2. Those wishing an interdisciplinary liberal arts augmentation to an elementary or secondary teaching major.
3. Those interested in Scandinavia to meet the Area of Interest requirement of General Studies Plan "B".
4. Those contemplating careers in foreign service or foreign trade.
5. Those seeking some undergraduate preparation for work at the graduate level in Scandinavian studies at other American or European institutions.

Minor in Scandinavian Studies (B.A. or B.S. Degree) 36 credits

Maximum of 12 credits in Norwegian Language Applicable:

Scan 101-102-103 Beginning Norwegian I-II-III (5 each)

Scan 201-202-203 Intermediate Norwegian I-II-III (4 each)

Electives in Scandinavian Studies to Complete Minor

Art 465 The Art of Norway (3)

Engl 481/Scan 381 Older Literature of Scandinavia (4)

Engl 482/Scan 382 Ibsen and Strindberg (4)

Engl 483/Scan 383 Modern Scandinavian Novel (4)

Hist 348 Studies in European History - Scandinavian Topics (3 each)

Earliest Times to the 18th Century

18 Century to WWII

Modern Scandinavia in Historical Perspective

Hist 349 Studies in North American History - Scandinavian Topics (3)

The Scandinavians in America

Hist 404 Seminar in European History - Scandinavia (4)

Scan 231 Scandinavian Culture and Civilization (3)

Scan 297 Independent Study (1-3)

Scan 397 Independent Reading in Norwegian (1-3)

(It is recommended that students electing this minor also complete the Hist 101-102-103 Western Civilization I-II-III sequence in addition to the minor.)

Social Work

Major in Social Work (B.A. Degree)

Major Requirements in Social Work 52 credits

SoWk 220 Introduction to Social Welfare (4)
SoWk 259 Introduction to Social Work Practice I (4)
SoWk 301 Introduction to Social Work Practice II (4)
SoWk 302 Family Behavior and Social Environment
SoWk 431g Social Policy/Legislation (4)
SoWk 469 Internship (16)
SoWk 470 Internship Seminar (4)
Electives in Social Work Courses (At least 12 credits)

Social Work Electives 30-43 credits of electives available.

SoWk 101 Orientation to Social Work (1)
SoWk 401 Corrections
SoWk 402 Child Welfare
SoWk 403 Social Work & Health Services (4)
SoWk 404 Rural Social Work (4)
SoWk 405 Human Behavior & the Social Environment in Literature (4)
SoWk 410 Interviewing in the Human Services (4) (Cross Ref. Ed. 410)
SoWk 425-427g Topical Seminar in Social Welfare (1-9)
(May be repeated as a variety of social welfare problems are investigated)
SoWk 461 Independent Study (4)
SoWk 462 Readings in Social Welfare (1-4)

Additional credits for Social Work majors under Social Work 440 Field Experience — and specialized short-term workshops are available to meet graduation requirements but not as electives in the major.

Requirements in Related Fields 48 credits

Psychology (16) Recommend 101, 115, 117, 460/465
Sociology (16) Sociology 350 required
Economics 100 (4)
Minority Group Studies (4)
Political Science 120 (4)
History 141 (4)

Minor in Social Work 40 credits

Required courses in Social Work 20 credits

SoWk 200 Introduction to Social Welfare (4)
SoWk 259 Social Work Practice I (4)
SoWk 440 Field Experience (8) or eight credits of Social Work Electives

One additional elective in Social Work. Social Work 301 or 302 may be taken as an elective for the minor.

Note: 16 credit internship in a related major may be used to fulfill the Social Work 440 requirement with consent from the Social Work advisor. In such instances 8 credits shall be taken from among the Social Work Course offerings.

Required Courses in Related Areas

20 hours from among the following related areas other than the major:

American Studies
Anthropology
Business

Computer Science
Criminal Justice
Early Childhood Education
Economics
Health-Physical Education-Recreation
History
Minority Group Studies
Political Science
Psychology
Sociology
Special Education

In order to obtain recognition for a minor in Social Work, the student must have his program accepted by the Department of Social Work no later than the second quarter of his junior year.

Secretarial

See Business Administration for Curricula.

Social Studies

Students anticipating teaching Social Studies at the secondary level will need to complete a program which will provide a broad base of competencies in the seven disciplines identified as Social Studies in the State of Minnesota requirements for certifications, and the block of courses in professional educations.

The course requirements in Social and Behavioral Sciences are related to a structuring of these disciplines into three categories:

Category I: Economics, Geography and Political Science

Category II: Anthropology, Psychology and Sociology

Category III: History

A five-course sequence in one of the disciplines in each category is required. Three courses are required from each of the remaining disciplines, to a total of 27 courses, each three or four hours in credit.

Each five-course sequence is further structured so that within it there shall be opportunities for students to gain a broad overview of the field; to develop skills in the research methodology basic to the discipline (and thus by extension to the Category within which it falls); and to learn and demonstrate an understanding of the theoretical and philosophical questions and principles intrinsic to the field.

Category I—Geo-Political-Economic Components (of Social Studies)

Since the three disciplines: Economics, Political Science and Geography, are interdependent and interrelated, their study enriches and broadens the understanding of each. The inhabitants of this

earth occupy a certain area or space and are influenced by this area's physical or geographic characteristics. These inhabitants make political and economic decisions and organizations to adjust more readily to the physical environment or to change this "geography." Political decisions are often influenced by economic or geographic considerations. At the same time, economic decisions and developments will be influenced by political and geographic conditions.

An effective social science teacher must understand this interrelationship and interdependence of these three disciplines. The ultimate objective of the courses within Category I is to bring the prospective social science teacher to an understanding of the geographical, economic and political framework and how inhabitants of this earth operate within this complex and interrelated framework.

Category I. Geo-Political-Economic Components

Economics, Geography and Political Science.
Take 2 of the following 3-course sequences and 1 of the 5-course sequences.

ECONOMICS

1. Econ 210 Principles of Economics I (4)
2. Econ 211 Principles of Economics II (4)
3. One of the following:
 - Econ 316 Labor History (4)
 - Econ 317 History of Economic Thought (4)
 - Econ 380 Economic and Social Security (4)

Five-course sequence not available in Economics

POLITICAL SCIENCE

1. Pol 110 Political Science as a Discipline (4)
2. Pol 120 National Government (4)
3. Pol 360 American Foreign Policy (4)
4. Pol 490 Senior Seminar in Political Science (2-4)
5. Pol 410 Topics in Western Political Thought (4 each)

GEOGRAPHY

1. Geog 100 Intro to Geography (4)
2. One of the following:
 - Geog 310 United States and Canada (4)
 - Geog 312 Asia (4)
 - Geog 315 Europe and North Africa (4)
 - Geog 316 Sub-Saharan Africa (3)
 - Geog 319 South America (3)
 - Geog 320 Soviet Union (3)
3. One of the following:
 - Geog 220 Economic Geography (4)
 - Geog 325 Urban Geography (4)
 - Geog 370 Political Geography (3)
 - Geog 420 Historical Geography of the United States (3)
4. Geog 410 Regional Geography Seminar (4)
5. Geog 444 Seminar in Geographic Thought (2) (to be changed to 4)

Category II—The Anthropological, Sociological and Psychological Component

The Anthropological, Sociological and Psychological component will provide the prospective social science teacher with an understanding of the basic concepts in each of these fields and their interrelationships.

These three disciplines focus on the study of human behavior at the individual, group and societal levels. Human beings, their social structures and culture are viewed as natural phenomena and studied with the most objective methods possible. This component, then brings together three disciplines that seek to develop generalizations about human beings and their behavior through the application of the scientific and other methods of research.

Category II—The Anthropological, Sociological, and Psychological Component

Anthropology, Sociology, Psychology
Take 2 of the following 3-course sequences and 1 of the 5-course sequences.

ANTHROPOLOGY

1. Anth 110 Human Culture I (4)
2. Anth 111 Human Culture II (4)
3. Anth 375 Language in Culture (4)
4. Anth 400 Development of Anthropological Theory (4)
5. One of the following:
 - Anth 420 Method and Theory in Archeology (4)
 - Anth 425 Method and Theory of Physical Anthropology (4)
 - Anth 430 Method and Theory in Cultural Anthropology (4)
 - Anth 435 Method and Theory in Linguistics (4)

SOCIOLOGY

1. Soc 110 Principles of Sociology I (4)
2. Soc 305 Social Psychology (3)
3. Sociology Elective
4. Soc 500 Sociological Theory I (3)
5. Soc 350 Methods of Social Research I (4)

PSYCHOLOGY

1. Psy 101 General Psychology (4)
2. Psy 115 Developmental Psychology (4)
3. Psy 117 Personality (4)
4. Psy 346 Principles of Behavior (4)
5. Psy 460 Abnormal Psychology (4)

Category III—History

All students will take a 5-course sequence in History. History was singled out as the one discipline in which all candidates for certification shall take a minimum of five courses because of the diversity of areas—(European, American or non-Western; Ancient to Contemporary)—with at least some contact with each a necessary prerequisite to teaching Social Studies. In addition, the discipline provides a chronological and interdisciplinary framework or perspective which serves to illuminate work in most, if not all, of the other Social and Behavioral Sciences.

Category III History

Take 5 courses as specified below

1. Hist 102 Western Civilization II
2. Hist 103 Western Civilization III
OR
1. Hist 122 United States History II
2. Hist 123 United States History III
3. One U.S. history course from the following:
Hist 311 Studies in North American History (3-4)
Hist 357 U.S. Foreign Relations (3)
Hist 364 U.S. Economic History (4)
Hist 368 U.S. Social and Intellectual History (4)
Hist 366 U.S. Constitutional History (4)
Hist 371 Colonial America (3)
Hist 370 American West (4)
Hist 381 Canadian History (3)
Hist 215 History of Minnesota and the Upper Midwest (4)
4. One European history course from the following:
Hist 221 English History (3)
Hist 310 Studies in European History (3-4)
Hist 312 Ancient History (3)
Hist 316 Renaissance (3)
Hist 315 Medieval History (3)
Hist 317 Reformation (3)
Hist 318 Germany (3)
Hist 331 Russia (3)
Hist 338 European Intellectual History (4)
5. One course in non-Western (Asia or Africa) or New World (Latin America) from the following list:
Hist 251 East Asia (3)
Hist 261 Africa (3)
Hist 271 Latin America (4)
Hist 307-308-309 Studies in either Asian, African or Latin American History (3-4)

Sociology-Anthropology

Areas of Study: Anthropology, Sociology

See also Social Work.

Major in Sociology (B.A. Degree)

The major in sociology offers the student two alternative options. For those who will undertake graduate sociology study, Option A is recommended. Those who seek employment after graduation in the fields in which a sociology degree is preferred should elect Option B. The latter option should enable a student to develop concentration in areas such as family, criminal justice, power, stratification and conflict, problems of urban living, social research, health and medicine, and social organization.

OPTION A

Major Requirements in Sociology 63 credits

- Soc 110 Intro to Sociology (4)
- Soc 111 Intro to Social Problems (4)
- Soc 112 Intro to Deviance (4)
- Soc 211 Intro to Sociological Theory (3)
- Soc 305 Social Psychology (3)
- Soc 350 Methods of Social Research I (4)
- Soc 351 Methods of Social Research II (4)
- Soc 411 Current Sociology (3)
- Soc 415 Social Organization (3)
- Electives (31—up to 12 may be taken in Anthropology. At least six must be at 400 level in Sociology)

OPTION B

Major Requirements in Sociology 63 credits

- Soc 110 Intro to Sociology (4)
- Soc 111 Intro to Social Problems (4)
- Soc 112 Intro to Deviance (4)
- Soc 211 Intro to Sociological Theory (3)
- Soc 305 Social Psychology (3)
- Soc 350 Methods of Social Research I (4)
- Soc 351 Methods of Social Research II (4)
- Electives (37—up to 8 may be in Anthropology)

Recommended Electives

- Soc 469 Internship (up to 16)

Language Requirements

The department has no foreign language requirement for sociology majors applying for the Bachelor of Arts degree, but possible future graduate students in sociology will be urged to take a suitable foreign language at college level.

Major in Sociology (Social Studies) (Teaching)

Only for students graduating by June 1979. See SOCIAL STUDIES major for requirements after that date.

Major Requirements in Sociology 55 credits

- Soc 110 Intro to Sociology (4)
- Soc 111 Intro to Social Problems (4)
- Soc 112 Intro to Deviance (4)
- Soc 211 Introduction to Sociological Theory (3)
- Soc 350 Social Psychology (3)
- Soc 310 Majority/Minority Group Relations (3)
- Soc 350 Methods of Social Research I (4)
- Soc 351 Methods of Social Research II (4)
- Soc 418 Sociology of Education (3)
- Electives in Sociology and/or Anthropology (At least 23)

Recommended Electives

- Soc 215 Population (3)
- Soc 321 Rural Sociology or 322 Urban Sociology (3)

Requirements in Related Fields 27 credits

- Ed 440 Social Studies in the Secondary School (3)
- History (At least 12)

At least one course in each of the following (12):

- Economics
- Geography
- Political Science

Professional Education Requirements 31 credits

See Education Curricula - Secondary School Teaching.

Major in Anthropology (B.A. Degree)

Major Course Requirements 59 credits

Anth 110 Intro to Culture/Linguistics (4)

Anth 111 Intro to Physical Anthropology/
Archeology (4)*

Any two of the following area courses (8):**

Anth 215 Indians of South America

Anth 220 Indians of Middle America

Anth 225 Indians of North America

Anth 230 Cultures of Africa

Anth 235 Ethnology of Selected Areas

Anth 305 Primate Evolution OR 310 Evolution of
Man (4)

Anth 315 New World Archeology (4) OR

Anth 316 Latin American Archeology (4) OR

Anth 320 Old World Archeology (4)

Anth 370 Anthropological Linguistics (4) OR

Anth 375 Language in Culture (4)*

Anth 400 Development of Anthropological
Theory (4)

Any one of the following (4):

Anth 420 Method and Theory in Archeology

Anth 425 Method and Theory in Physical
Anthropology

Anth 430 Method and Theory in Cultural
Anthropology

Anth 435 Method and Theory in Linguistics

Anth 421-422-423 Senior Project (9)

Electives in Anthropology and Sociology (14—
including a maximum of six credits in Sociology)

*No prerequisite required

**See coordinator about possible course
substitutes in these areas from the curriculum at
North Dakota State University.

Recommended Electives

Majors are expected to study in as many fields
as possible, particularly in the social and natural
sciences. Further, it is highly recommended that
the methods of social research course offered in the
Sociology Department be included in the program.

Major in Anthropology (Social Studies) (Teaching)

This program is only effective for students
graduating before June, 1979. See Social Studies
for requirements after that date.

Major Course Requirements 56 credits

Anth 100-111 Introductory (8)

At least three of the following:**

Anth 215 Indians of South America (4)

Anth 220 Indians of Middle America (4)

Anth 225 Indians of North America (4)

Anth 230 Cultures of Africa (4)

Anth 235 Ethnology of Selected Areas (4)

Anth 310 Evolution of Man (4)

Anth 315 North American Archeology (4)**

Anth 340 Social Cultural Change (4)

Anth 370 Descriptive Linguistics (4)**

Anth 375 Language in Culture (4)

Anth 400 Development of Anthropological
Theory (4)

Recommended Electives

Anth 320 Old World Archeology (4)

Anth 330 Social and Cultural Anthropology (4)

Anth 445 Seminar (4)

Requirements in Related Fields

Ed 440 Social Studies in Secondary Schools (3)

At least one course in each of the following:

Sociology

Economics

Political Science

History

Geography

Professional Education Requirements 31 credits

(All Teacher Education Requirements shall be
fulfilled to complete this major. See Academic
Information.)

Minor in Sociology 33 credits

Soc 110 Intro to Sociology (4)

Soc 111 Intro to Social Problems (4)

Soc 112 Intro to Deviance (4)

Electives in Sociology (At least 21 credits)

Minor in Sociology (Teaching) 36 credits

Requirements for the B.A. Minor (33)

Ed 440 Social Studies in the Secondary School (3)

At least one course from each of the following:

Economics

Geography

History

Political Science

**See coordinator about possible course substitutes
in these areas from the curriculum at North Dakota
State University.

(This minor can be awarded only in combination
with at least one teaching major.)

Minor in Anthropology 40 credits

Anth 110 Intro to Culture/Linguistics (4)

Anth 111 Intro to Physical Anthropology/
Archeology (4)*

One of the following (4):**

Anth 215 Indians of South America

Anth 220 Indians of Middle America

Anth 225 Indians of North America

Anth 230 Cultures of Africa

Anth 235 Ethnology of Selected Areas

One of the following (4):**

Anth 305 Primate Evolution

Anth 310 Evolution of Man

One of the following (4):**

Anth 315 New World Archeology

Anth 316 Latin American Anthropology

Anth 320 Old World Archeology

One of the following (4):**

Anth 370 Anthropological Linguistics

Anth 375 Language in Culture

Electives in Anthropology (At least 20)

*No prerequisite required.

**See coordinator about possible course substitutes
in these areas from the curriculum at North Dakota
State University.

Spanish Language and Literature

See Language for Curricula.

Special Education

See Education for Curricula.

Speech

Areas of Study: Speech Communication, Theatre Arts, and Speech Pathology and Audiology.

(See also English Curricula for English-Speech Teaching combination major.)

The Department of Speech provides opportunities for the student to pursue career preparations in the areas of Speech Communication, Theatre Arts, and Speech Pathology and Audiology. Study in any one of these areas encourages the student to combine career preparation with the breadth and depth of knowledge associated with the liberal arts tradition. Within each division a student may select from a variety of career-oriented programs which satisfy society's growing demand for individuals skilled in communication and relating effectively to others. Because of the importance of these skills, the education of every student is enhanced through study in the various areas of Speech Communication.

Major in Speech Communication (B.A. Degree) 60-64 credits

This degree is designed for the student who wishes to develop an understanding and proficiency in the theory, techniques and practice of speech communication. Students majoring in speech communication are encouraged to develop an area of concentration in a related field or to take a second major in another field of interest. In addition to the core requirements, students will complete one of the following career concentrations.

Core Requirements for ALL majors in Speech Communication

- Spch 100 Beginning Speech Communication (4)
- Spch 101 Voice and Diction (4)
- Spch 105 Beginning Oral Interpretation (4)
- Spch 202 Introduction to Rhetoric (3)
- Spch 220 Theatre Form and Appreciation (4)
- Spch 253 Language and Communication (4)

One of the Career Concentrations listed below (41 credits).

Pre-Professional Communication

The student who plans a professional career as a communication consultant, lawyer, salesman, business manager, minister or public relations consultant should elect the following concentration of courses.

- Spch 204 Principles of Debate (4)
- Spch 209 Parliamentary Procedures (2)
- Spch 280 History of the Film (4)
- Spch 308 Small Group Communication (3)
- Spch 312 Principles of Persuasion (3)
- Spch 316 Radio and Television Performance (4)
- Departmental Electives at the 300 level or above (21)

Community Communication

The student who plans a career concerned with society-related organizations such as park boards, community action groups, prison communities, or senior citizen services should elect the following concentration of courses. Students choosing this career concentration are encouraged to develop an area of concentration in a related field such as social work, psychology, art and music.

- Spch 010 Collegiate Forensics (2)
- Spch 030 Stagecraft (2)
- Spch 209 Parliamentary Procedures (2)
- Spch 308 Small Group Communication (2)
- Spch 311 Readers' Theatre (4)
- Spch 312 Principles of Persuasion (3)
- Spch 341 Creative Dramatics (3)
- Spch 436 Dance for the Stage (4)
- Departmental Electives at 300 level or above (18)

Radio-Television-Film Communication

The student interested in a professional career in the performance phases of radio, television or film work should elect the following concentration of courses. Students interested in the news and information area should consider taking the Broadcast News concentration in the Mass Communications Department.

- Spch 280 History of the Film (4)
- Spch 316 Radio and Television Performance (4)
- Spch 317 Advanced Radio-Television Performance (4)
- Spch 383 Experimental Film Making (4)
- Spch 384 Basic Television Production (3)
- Spch 486 TV-Film Directing (4)
- Departmental Electives at 300 level or above (18)

Preparation for Graduate Study in Speech Communication

The student who intends to pursue a graduate degree in speech in order to become a teacher in higher education, a communication specialist, or a professional speech writer should elect the following concentration of courses. Related courses in other departments should be selected with the assistance of an advisor.

- Spch 204 Principles of Debate (4)
- Spch 206 Advanced Oral Interpretation (4)
- Spch 209 Parliamentary Procedures (2)
- Spch 308 Small Group Communication (3)
- Spch 309 Rhetorical Criticism (4)
- Spch 310 Contemporary Rhetoric (3)
- Spch 312 Principles of Persuasion (3)
- Departmental Electives at 300 level or above (18)

Individualized Speech Communication

This program is designed for the student who is not interested in pursuing a career-oriented concentration of courses but whose work involves community leadership programs which deal with a variety of communication activities found in religious, social, civic, and cultural organizations. As a result, some flexibility in the structuring of courses is possible. The following requirements are stipulated for an Individualized Speech Communication major:

1. Substitute the requisite number of credits in approved speech communications courses for the area of concentration through consultation with an advisor.

2. At least 50% of credits on the major must be at the 300 level or above.

Minor in: Speech Communication (B.A. Degree) 32-36 credits

Core requirements 23 credits

Same as listed under major in Speech Communication

Electives 10-12 credits

From listings in a given career concentration area as listed under the major in Speech Communication.

Major in Theatre Arts (B.A. Degree) 60-64 credits

This degree is designed for the student who wishes to pursue a broadly based humanistic theatre arts background, a career in one phase of professional theatre, or preparation for graduate study. Students majoring in theatre arts are encouraged to develop an additional area of concentration in a related field in consultation with an advisor. In addition to the core requirements, students will complete one of the following career concentrations.

Core Requirements for ALL majors in Theatre Arts 28 credits

Spch 040 Theatre Practicum (4)
Spch 100 Beginning Speech Communication (4)
Spch 101 Voice and Diction (4)
Spch 221 Theatre in America (4)
Spch 222 Principles of Acting (4)
Spch 224 Technical Theatre Methods (4)
Spch 344 Principles of Play Direction (4)

One of the career concentrations below (36 credits)

Acting

The student primarily interested in the development of his artistic skills as a stage performer should elect the following concentration of courses which will provide him with a sound background in stage voice, stage movement, dramatic literature, and an understanding of the total theatre production process. An area of concentration in a related field is advised.

Spch 223 Stage Make-Up (3)
Spch 225 Scenery Design Techniques (4)
Spch 322 Development of Drama I (4)
Spch 324 Development of Drama II (4)
Spch 332 Stage Movement (4)
Spch 333 Stage Voice (4)
Theatre Arts Electives at 300 level or above (13)

Directing

The student planning a career as a stage director in a community, institutional, or professional theatre setting should elect the following concentration of courses which are designed to provide him with a knowledge of the entire production process as well as with special emphases in acting, directing, dramatic literature, and theatre organization.

Spch 225 Scenery Design Techniques (4)
Spch 322 Development of Drama I (4)
Spch 324 Development of Drama II (4)
Spch 332 Stage Movement (4)
Spch 333 Stage Voice (4)
Spch 429 Advanced Play Direction (4)
Theatre Arts Electives at 300 level or above (12)

Technical Theatre

The student planning a career either as a scene designer, technical director, or lighting technician in a community, institutional, or professional theatre setting should elect the following concentration of courses. An area of concentration in a related field such as art or Industrial Arts is recommended.

Spch 225 Scenery Design Techniques (4)
Spch 322 Development of Drama I (4)
Spch 324 Development of Drama II (4)
Spch 334 Principles of Stage Design (4)
Spch 336 Advanced Stage Design (4)
Spch 337 Stage Lighting (4)
Theatre Arts Electives at 300 level or above (12)

Theatre Arts Management

The student planning a career in theatre arts management work, either with governmental arts organizations or with professional and regional theatre companies, should elect the following concentration of courses. Independent study projects and/or an internship should be considered as well as a strong area of concentration in a related field of study such as Business Management.

Spch 225 Scenery Design Techniques (4)
Spch 228 Theatre Arts Management (4)
Spch 312 Principles of Persuasion (3)
Spch 322 Development of Drama I (4)
Spch 324 Development of Drama II (4)
Spch 326 Development of Drama III (4)
Theatre Arts Electives at 300 level or above (13)

Children's Dramatics

The student planning a career in creative dramatics or children's theatre with church, community, or professional theatre groups should elect the following concentration of courses. Independent study projects and/or internship should be considered as well as an additional area of related study such as Recreation.

Spch 223 Stage Make-Up (3)
Spch 225 Scenery Design Techniques (4)
Spch 332 Stage Movement (4)
Spch 333 Stage Voice (4)
Spch 341 Creative Dramatics (3)
Spch 342 Children's Theatre (3)
Theatre Arts Electives at 300 level or above (15)

Individualized Theatre Arts

This program is designed for the student who is not interested in a career-oriented concentration of courses but in the study of theatre history, dramatic literature, and dramatic theory and criticism. Additional work in film theory and criticism is recommended as well. The following requirements are stipulated for the Individualized Theatre Arts major:

1. Substitute the requisite number of credits in approved theatre arts courses for the area of concentration through consultation with an advisor.

2. At least 50% of credits on the major must be at the 300 level or above.

Minor in Theatre Arts (B.A. Degree) 32-36 credits
Core Requirements 28 credits

As listed under major in Theatre Arts.

Electives 4-6 credits

From listings in a given career concentration area as listed under the major in Theatre Arts.

Major in Speech Communication and Theatre Arts (Teaching)

The Bachelor of Science degree in Education with a major in Speech Communication/Theatre Arts is designed for the student who wishes to pursue a career in the teaching profession. This degree will allow the student to receive certification necessary to qualify as a Speech Communication-Theatre Arts instructor in secondary schools.

The student may also wish to consider an additional area of study in order to have greater flexibility for employment in teaching; the fields of English and Mass Communications are particularly recommended.

Major Course Requirements 60-64 credits

Spch 100 Beginning Speech Communication (4)
Spch 101 Voice and Diction (4)
Spch 105 Beginning Oral Interpretation (4)
Spch 202 Introduction to Rhetoric (3)
Spch 204 Principles of Debate (4)
Spch 220 Theatre Form and Appreciation (4)
Spch 280 History of the Film (4)
Spch 222 Principles of Acting (4)
Spch 224 Technical Theatre Methods (4)
Spch 312 Principles of Persuasion (3)
Spch 340 The Teaching of Speech (4)
Spch 344 Principles of Play Direction (4)
Spch 468 Speech and Hearing Problems in the Classroom (3)

Electives in Speech Communication-Theatre Arts at 300 level or above (15)

To satisfy the requirements of the State Board of Education for secondary certification with a major in Speech Communication-Theatre Arts, students must participate in at least two speech activities: forensics, theatre, oral interpretation, or broadcasting.

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Minor in Speech Communication (Teaching) 34-38 credits

Spch 100 Beginning Speech Communication (4)
Spch 101 Beginning Oral Interpretation (4)
Spch 202 Introduction to Rhetoric (3)
Spch 204 Principles of Debate (4)
Spch 209 Parliamentary Procedures (2)
Spch 308 Small Group Communication (3)
Spch 340 The Teaching of Speech (4)
Spch 468 Speech and Hearing Problems in the Classroom (3)

Electives in 300 level or above Speech Communication courses (7)

(This minor can be awarded only in combination with at least one teaching major.)

Minor in Theatre Arts (Teaching) 34-38 credits

Spch 101 Voice and Diction (4)
Spch 105 Beginning Oral Interpretation (4)
Spch 220 Theatre Form and Appreciation (4)
Spch 222 Principles of Acting (4)
Spch 224 Technical Theatre Methods (4)
Spch 225 Scenery Design Techniques (4)
Spch 342 High School Speech and Drama Activities (4)
Spch 344 Principles of Play Direction (4)
Electives in 300 level or above Theatre Arts courses (4)

(This minor can be awarded only in combination with at least one teaching major.)

Dual Major in Speech Communication/Theatre Arts and English (Teaching)

Major Requirements in Speech Communication/Theatre Arts 54 credits

Spch 100 Beginning Speech Communication (4)
Spch 101 Voice and Diction (4)
Spch 105 Beginning Oral Interpretation (4)
Spch 202 Introduction to Rhetoric (3)
Spch 204 Principles of Debate (4)
Spch 220 Theatre Form and Appreciation (4)
Spch 222 Principles of Acting (4)
Spch 224 Technical Theatre Methods (4)
Spch 280 History of the Film (4)
Spch 312 Principles of Persuasion (3)
Spch 340 The Teaching of Speech (4)
Spch 344 Principles of Play Direction (4)
Spch 468 Speech and Hearing Problems in the Classroom (3)

Electives in Speech Communication or Theatre Arts (5)

(To satisfy the requirements of the State Board of Education for secondary certification with a major in Speech Communication-Theatre Arts, students must participate in at least two speech activities: forensics, theatre, oral interpretation, or broadcasting.)

Major Requirements in English 54 credits

CORE REQUIREMENT 28 credits
Engl 201-202-203 American Literature Survey I-II-III (12)
Engl 211-212-213 British Literature Survey I-II-III (12)
Engl 314 Shakespeare (4)

ELECTIVES IN ENGLISH 15-16 credits

At least 11 credits must be taken at the 300 or 400 levels, and 8 of these credits must deal with literature before the nineteenth century. Electives should be chosen in consultation with the advisor.

COURSES REQUIRED BY STATE BOARD OF EDUCATION 10-11 credits

(Same as B.S. degree listed under English B.S. (Teaching) degree, except for Speech Requirement).

(All Teacher Education Requirements shall be fulfilled to complete this major. See Academic Information.)

Major in Speech Pathology and Audiology (B.A. Degree) or (B.S. Degree) (Teaching)

The programs in speech pathology and audiology are designed for students who are interested in the study of the processes of speech communication and in the study of communication disorders. This area of study is appropriate for students who wish to prepare for clinical, teaching, research, or service careers in speech pathology, language pathology, audiology, hearing conservation, and speech and hearing science. Additionally, individual courses are appropriate as electives for students who are majoring in other areas of study.

Students who choose to major in speech pathology and audiology should do so with the understanding that the American Speech and Hearing Association and a growing number of training institutions, certifying agencies, and employers are designating the master's degree as the minimal level of training required. In other words, undergraduate education is viewed as preprofessional. Thus, the requirements for the undergraduate majors at Moorhead State University are geared toward qualifying students for admission to professional study at the graduate level.

The B.S. Degree is usually recommended for students who plan to seek clinical positions in the schools. Students who pursue this program are expected to complete the required professional education courses as well as satisfy the human relations and the health requirements. The B.A. Degree is available for students who plan on clinical positions only in non-school agencies and for those interested in non-clinical careers.

In addition to required courses, all majors are expected to participate in practicum experiences. Also, in order to supplement their study of communicative behavior, to qualify for certification, and to meet requirements for graduate study, all majors are required to complete a minor or equivalent in one or more related areas of study. Students should select elective and supplementary courses carefully and with the advice and consultation of their advisors. Additional information may be obtained by contacting the Director of Speech Pathology and Audiology.

Major Course Requirements (B.A. or B.S. Degree) 61 credits

Spch 100 Fundamentals of Speech (4)
(or Spch 200)
SPAA 250 Intro to Speech Pathology/Audiology (3)
SPAA 251 Phonetics (4)
SPAA 252 Speech and Hearing Science (5)
Spch 253 Language and Communication (4)
SPAA 254 Language Development (3)
SPAA 351 Articulation and Voice Disorders (5)
SPAA 352 Stuttering and Rhythm Disorders (5)
SPAA 353 Language and Symbolic Disorders (5)
SPAA 363 Speech Pathology Methods (2)
SPAA 366 Orientation to Clinical Practicum (1)
SPAA 371 Audiology (4)
SPAA 372 Audiometry (3)
SPAA 373 Aural Rehabilitation (3)
SPAA 466 Clinical Practicum (6)
SPAA 467 Diagnostic and Appraisal Procedures (4)

Women's Studies

Minor in Women's Studies 24 credits

The minor in Women's Studies provides students an opportunity for interdisciplinary learning related to women in society. Students will be expected to interrelate various kinds of knowledge and perspectives from the natural and social sciences, humanities, and education.

This minor is particularly appropriate for students preparing for careers in education or in the human services. The minor will also prepare a student to pursue further studies or to obtain advanced degrees in Women's Studies at other institutions.

Core required courses 12-14 credits

Hum 310 Women's Studies (4)
Psy 220 Psychology of Women (4) or
Soc 333 Sociology of Sexuality (3)
Hist 311 Women in History (3) or
Engl 232 Women in Literature (4)
Hum 320 Independent Study(2)

Electives 10-12 credits

Psy 220 Psychology of Women (4)
Hist 311 Women in History (3-4)
Engl 246 Women in Literature (4)
Soc 333 Sociology of Human Sexuality (3)
Soc 310 Majority/Minority Group Relations (3)
Soc 320 Social Psychology of the Family (3)
Biol 104 Human Biology (4)
Ed 492 Educational Systems and Women (3)

Other appropriate courses offered by various departments as topics, courses or seminars are available. Examples are American Studies 420 Directed Readings, and Sociology 425 Seminar. Additional courses related to a student's interests may be taken with the approval of the Coordinator. Students are encouraged to avail themselves of courses at NDSU and at Concordia College which may be used as electives. The Coordinator of Women's Studies can give direction in this regard.

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March 23, 1977
(1976-77 - - 6)

TO: The Members of the Faculty

FROM: Roland Dille, President

Roland Dille

The following curriculum changes are officially approved and in effect as of this date:

Minor Curriculum Revisions

Students taking the professional major in chemistry or the chemistry emphasis option under the physical science teaching major are required to take Chemistry 480 for two quarters (previously students were required to take that course for three quarters). In place of the third quarter of Chemistry 480, Chemistry 405 will be required (405 was previously an elective).

Delete the requirement of Chemistry 511 for all majors. New statement will be included under the major: "No specific graduate course shall be required of all graduate students in the M.S. in Chemistry program."

Add "g" designation to Chemistry 314, Aquatic Chemistry, with the stipulation that it not be open to graduate credit for chemistry majors.

Change in catalog description of Chemistry 422 to read as follows: Chemistry 422, Instrumental Analysis II, 3 credits. A study of pertinent properties of radiation and matter; features of optical instrumentation; theory, principles and laboratory techniques of spectrophotometry and spectrometry, including ultraviolet-visible, infrared, nuclear magnetic resonance and atomic absorption. Prerequisite: Chemistry 343 or consent of instructor.

Change in course titles and descriptions for the following Mass Communications courses:

MC 355: Television News Writing, description should read as follows: A sequel to Broadcast Journalism which introduces the use of television visuals. Prerequisite: Mass Communications 320.

MC 335: Television News Film Making - Change title and description to MC 335: Survey of Non-Theatrical Film. A survey of the common background and techniques of documentary, instructional, industrial and news film. Students are required to purchase Super 8 raw stock and processing for at least five short films. The University furnishes the equipment. Prerequisites: Mass Communications 215 and 230.

Honors Program

The Honors Program is approved, including the following courses: Honors 200, Honors Colloquium, 4 credits; Honors 300, Multidisciplinary Seminar, 4 credits;

and Senior Honors Thesis, 4 credits. The Honors Committee is asked to investigate ways to actively include departments in the processes of the program. The program is to be evaluated after two years of operation.

Dr. Lee Grugel is designated as Director of the Honors Program and Robert Badal, Joyce Flint, David Myers, Rosemary Smith and Walter Wesley are asked to continue to serve on the Honors Program Committee.

New Courses approved

Sociology 219, Sociology of Sexual Behavior, 4 credits.

Mass Communications 345/Media Education 345, Survey of Audiovisual Communication and Technology, 3 credits.

Individualized Majors in Pre-Planning

Individualized Majors in Pre-Planning with concentrations in the disciplines of Business Administration, Economics, Geography, Political Science or Sociology are acknowledged.

MEMORANDUM

May 6, 1977
(1976-77 - - - - 7)

TO: The Members of the Faculty

FROM: Roland Dille, President *Roland Dille*

The following curriculum changes are officially approved and in effect as of this date:

Minor Curriculum Revisions

Change Sociology 435, Sociology of Health and Medicine, to Sociology 235, Sociology of Health and Medicine, with the following course description: An introduction to the social factors involved in health, illness, and treatment of disease. Topics covered include health care as a social problem and the relationship between patients, health professionals, and health care facilities.

Change in Nursing Program admission criteria: delete the following admission requirement: one year work experience as an R.N. within the last five years.

Change in course title for Nursing 300 from Role of Nursing within Health Care to Nursing in Health Care.

Change in credits for Chemistry 102 from 4 credits to 3 or 4 credits. (4 credits when day-time offering, 3 when offered as evening course.)

Delete Health 210, Alcohol and Narcotics, as an alternative to meeting the state teacher certification requirement.

Change in course numbers from DEd 420(g) to DEd 443(g), Coordination Techniques, and from DEd 430 to DEd 497, Vocational Education Curriculum.

Change in credit hours for the following Psychology courses:

Psychology 460(g), Abnormal Psychology, from 4 to 3 credits

Psychology 465(g), Clinical Psychology, from 4 to 3 credits

Psychology 476(g), Theories of Personality, from 4 to 3 credits

Psychology 500, change name to Seminar/Practicum in School Psychology and change credits from 1 to 2

Psychology 505, Practicum in School Psychology I, from 2 to 3 credits

Psychology 506, Practicum in School Psychology II, from 2 to 3 credits

Change in course numbers and add "graduate" designation for the following Music courses:

Music 220 to Music 330(g), Concert Band, 1 credit

Music 223 to Music 331(g) Symphonic Wind Ensemble, 1 credit

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- Music 224 to Music 332(g), Stage Band, 1 credit
- Music 225 to Music 333(g), Orchestra, 1 credit
- Music 230 to Music 335(g), Concert Choir, 1 credit
- Music 231 to Music 336(g), Collegiate Chorale, 1 credit
- Music 232 to Music 337(g), Pop Choir, 1 credit
- Music 233 to Music 338(g), Chamber Singers, 1 credit

Change in credit hours, course titles and course descriptions in Art:

- Art 102, Basic Drawing II, from 2-4 to 3-4 credits; delete Foundation II as prerequisite
- Art 162, Introduction to Watercolor, from 2-4 to 4 credits
- Art 252-253, Life Drawing I-II, 3 credits each changed to Art 252, Life Drawing, 3 credits and Art 253, Advanced Life Drawing, 3 credits
- Art 262, Watercolor, from 2-12 credits to 3-12 credits
- Delete Art 331, Creative Photography
- Art 340, Art in the Elementary School, from 3 credits to 2 credits; prerequisite, Art 100; add "for PFY students only"
- Art 469, Student Internship in Art, 3-16 credits, prerequisite addition: Internship must be approved by faculty internship committee
- Art 584, change title to Studies in Graphic Design, and credits to 3-18
- Art 120-121, Art Foundation I-II, 7 credits each, change course description to:
THEORY: Lecture and discussion sessions, 2 hours a week, direct the student toward becoming sensitive to, and discovering the visual arts, especially 20th century and contemporary art. Survey of esthetic theories, formal problems, various media, and vocational aspects of art today.
STUDIO PRACTICUM: 12 hours per week of sessions developing fundamental sensitivity, skills, vision and curiosity for creating in the visual arts, working with a variety of media in 2- and 3-dimensional problems in Design Studio and Drawing Studio. Required for all Art majors. Must be taken in sequence.
- Art 154, Introduction to Graphic Design, 4 credits, change course description to: Visual problem solving investigations relative to various types of communicative needs, i.e., promotion, information, directives and entertainment. Introduction to a variety of media approaches, i.e., illustration, typography, photography, film, video, and three-dimension. Printing production procedures, historical development and career implications are also covered. Prerequisites: Art Foundation I-II or consent of instructor.
- Art 156, Introduction to Painting, 3-4 credits, change course description to: Contemporary and historical approaches to painting, emphasizing materials use, techniques, and theoretical bases of Twentieth Century art. Prerequisite: Art Foundation I-II or Basic Drawing I or consent of instructor.
- Art 160, Introduction to Sculpture, 3 credits, change course description to: Historical and contemporary survey of the materials, methods, and techniques of sculpture. Modeling, moldmaking, carving and welding. Casting media include plaster, hydrastone, concrete, dripped lead and polyester resins. Carving media are wood and stone. Prerequisite: Art Foundation I-II or consent of instructor.