

INFORMATIONAL HANDBOOK
FOR
UNIVERSITY REPRESENTATIVES

AUGUST 1969

UNIVERSITY OF MINNESOTA
OFFICE OF ADMISSIONS AND RECORDS

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To The Representative

The following pages are designed to assist persons representing the University at College Days, PTA discussions of college admissions, Parents' Night meetings, etc. The booklet does not substitute for detailed official bulletins; in fact, you will find the General Information Bulletin to be an essential source of information, and you should encourage all prospective students to carefully study it as well as the appropriate College bulletin. The bulletins available are listed in the Appendix, and may be secured by using the bulletin request cards or by writing to one of the Offices of Admissions and Records.

This handbook is an attempt to summarize and organize selected topics which are usually of concern to parents and college-bound high school students. If you are confronted with questions not answered in this handbook, please note the addresses of the Admissions Offices on pages 8 and 9, as well as other contacts listed throughout the handbook.

On page 1 is a brief outline of a talk which could be given to parents and/or prospective students. In a typical 30 to 35 minute session you might devote 15 or 20 minutes to the points of the outline and the remainder of the time to questions.

This edition incorporates some major changes -- in format, and organization -- and some additions as well. The appendix contains much new information of a miscellaneous nature and there has been an expansion of Parts I and II. We hope all of the information here will be helpful to you, and we welcome your comments or suggestions.

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OUTLINE OF MAJOR POINTS

The University of Minnesota -

- Its three functions - research, public service, instruction.
- Structure of the University - undergraduate schools, professional schools, short programs.
- Students - - their objectives

Colleges which admit freshmen; relative to size, kinds and lengths of programs; admission requirements.

CLA - ACT, MSAT, high school rank, CAR above 50.

AF&HE - ACT, high school rank

Education - only Phys. Ed and Rec Leadership programs; others start in CLA; ACT, MSAT, high school rank; CAR of above 50.

Institute of Technology - ACT, high school rank, 4 years high school math, physics or chemistry.

General College - ACT, high school graduate

Duluth, Morris, Crookston

Application to the University (Twin Cities Campus); chronology of events for the applicant.

1. Apply between November and April of senior year; application available from high school counselor; \$10 application fee.
2. Student should hear from the University promptly after our receipt of application.
3. May - confirm intent to enroll.
4. June or July - invitation to Orientation-Registration.
5. August or September - 2-day Orientation-Registration.
6. Freshman Camp - weekend before Welcome Week.
7. Welcome Week - week before classes begin.
8. Classes begin - Usually last Monday in September.

Costs

Tuition, fees - approximately \$170.00 per quarter, \$510.00 per year

Books and supplies - \$125.00 per year

Transportation costs; include information on parking, buses here

Housing - University residence halls or private housing (50% of all students live at home).

Average cost - \$1,000 per year in residence halls

Must apply early; right after January 1 if possible; \$25 advance payment (partially refundable if cancellation is made before July 1).

Financial Aids

Loans - Some University loans, mostly National Defense loans; "forgiveness" feature for teachers; application deadline July 1.

Scholarships - application deadline December 15 for freshman scholarships.

Grants - for extremely needy students.

Employment - part-time employment available, including Work-Study program designed for low-income students.

PART I

GENERAL INFORMATION FOR PROSPECTIVE STUDENTS

- A. About the University
- B. Admission Procedures for Freshmen
- C. Admission with Advanced Standing
- D. Orientation-Registration
- E. Costs
- F. Financial Aid
- G. Housing
- H. University Services
- I. ROTC
- J. Extracurricular Opportunities

A. ABOUT THE UNIVERSITY

Grades, courses, enrollments, application procedures - these are important parts of the University, but they do not answer one question which most students, and their counselors are curious about -- what is the University of Minnesota really like? The elusive answer to that question is provided only partially by describing the University's organization and functions. The best answers would result from talking to and observing individual students and faculty members. Prospective students will find that a visit to the campus, perhaps accompanying a friend to classes, will prove beneficial.

The University of Minnesota is a distinguished land-grant state university. More than 300 faculty members are listed in Who's Who in America, and its graduates and faculty have made many significant contributions at the local, state, national, and international levels. In addition to scientific research, University faculty members are widely known for their contributions to scholarship in their fields and for creative work in the fine arts and literature. Outstanding poets, novelists, and literary critics--present or former faculty members, such as Allen Tate, John Berryman, Robert Penn Warren, Saul Bellow, and the late Joseph Warren Beach--have enriched the arts tradition at the University.

The University not only functions as an educational institution, but has two other roles as well--that of research center and that of public servant. A few of the fields that have brought Minnesota world repute in research: heart surgery, taconite processing, control of brucellosis, study of the effects of diet on heart disease, and nuclear and cosmic ray studies.

The Agricultural Extension Service is a good example of the University as a public servant. Some of the other ways the University serves its state is through treatment of the sick at University Hospitals, Municipal Reference Bureau services, educational surveys of the Bureau of Field Studies, testing of every high school junior, programs for labor leaders and business executives, surveys to pinpoint ore deposits, water resources and industrial sites, and concerts and lectures on all campuses and in local high schools.

To the national and international community, Minnesota has provided such services as the training of Peace Corps volunteers and consultative services to universities in Korea and Latin America.

Students with an immense variety of educational goals come to the University. To help fulfill these goals, instruction is offered at five different locations in the state - Minneapolis, St. Paul, Duluth, Morris, Crookston - and in 19 major colleges or instructional divisions. Some students find all the facilities they need in a single college, school or department; others will cross college lines and take courses in two or more colleges.

For instance, a student at the University of Minnesota might find himself studying:

Agricultural Business Administration, by combining courses in agriculture given on the St. Paul Campus with courses from the School of Business Administration, located on the West Bank in Minneapolis,

(About the University)

A pre-medical course at Morris,

Landscape Architecture at the Institute of Technology in Minneapolis, or

English Education at Duluth.

Students with particularly unique educational objectives, by means of an administrative mechanism called University College, may design their own programs; for instance a Peace Corps volunteer could plan a curriculum which combines agriculture and one of the social sciences, or a future interior decorator could study areas from three colleges: art, architecture, and home economics.

Each of the colleges of the University (there are 19 major instructional divisions) has its own entrance and graduation requirements, its own dean, its own faculty, its own administrative offices. Students are admitted to a specific college, not to the University at large. Some colleges admit freshmen (these colleges are described in this Handbook); and others admit students with varying amounts of previous college work. The chart in the Appendix illustrates this.

Even though a student is admitted to a particular college at the University and meets the graduation requirements of that college, he will share many common learning experiences with others. All students seeking bachelor's degrees, for instance, distribute part of their coursework among four specific areas - communication, languages, and symbolic systems; the physical and biological sciences; man and society; and artistic expression. Through study in these areas, the University believes that men and women can develop a breadth of understanding.

Despite its complexity and large size, the University can often be more easily understood as a combination of units - Duluth, with a general liberal arts program, pre-professional curriculums, and some graduate work; College of Education in Minneapolis, composed primarily of juniors and seniors, taking work in approximately 30 different teaching areas -- from Art Education to Speech Pathology; the School of Nursing, its 300 students entering after one year of liberal arts, all working toward a bachelor's degree and eventual practice as registered nurses, etc.

Many instructional approaches are used -- a lecture class in sophomore psychology involves several thousand students; seminars are held for as few as 15 freshmen in the Honors program; Dr. Harold Deutsch may video-tape his lectures on World War II so students may see him at any one of 10 different times on East and West Bank campuses; and special camping retreats are sponsored by the Student Activities Bureau, where small groups of selected students may spend a weekend at a campsite discussing a selected topic of interest with leading professors. And though some students may prefer the independence necessary to be a student on the large Twin Cities Campus, others achieve their educational goals on the smaller Duluth, Morris, or Crookston Campuses.

The "largeness" of the total University makes possible wide diversity, richness of offerings, and intensive specialization, and fosters outstanding scholarship and research. The relative smallness of the numerous divisions and subdivisions of the University facilitates the University's efforts to individualize its services and programs for each student who attends.

B. ADMISSION PROCEDURES FOR ENTERING FRESHMEN

Where and How to Apply

Every August each Minnesota high school is mailed a supply of application forms (Minnesota College Admission Form). (If this supply is insufficient, a request for additional forms should be sent to the Office of Admissions and Records, Twin Cities Campus/Minneapolis.) The first two pages of this form are to be filled out by the applicant, who then submits it with a \$10.00 nonrefundable credentials examination fee to his high school counselor or principal. After completing pages 3 and 4 (including courses in progress, high school rank, available test data), the counselor or principal sends the application directly to the Admissions Office on the appropriate campus.

All freshman applicants should be reminded that they are required to have ACT scores submitted as part of their applications and should take this test early in the senior year.

Because date of admission and date of orientation-registration are related to date of application, high schools should submit the application to the Admissions Office promptly after receiving it from the student.

Tests

ACT (American College Testing) - Required before admission by all colleges at the University. Offered on four Saturday dates during the senior year of high school. The first testing is in October, and seniors should take the tests then if possible. Application is made through the high school. ACT test scores are used for determining placement in English, mathematics, and chemistry courses, and for helping to determine admission to IT.

MSAT (Minnesota Scholastic Aptitude Test) - required by CLA, Education, Duluth, and Morris and used in combination with high school rank to determine admission to those colleges. This test is taken by all Minnesota high school students during their junior year.

When to Apply

New students are admitted any quarter, including summer session (except Dental Assisting and Dental Hygiene). Seniors applying for fall quarter should complete their applications between November 1 and April 15 to avoid late registration in the fall (freshmen are assigned orientation-registration dates in the order of admission decisions). The official deadlines are: August 1 for fall quarter, December 1 for winter quarter, and March 1 for spring quarter. Exceptions: the Dental Assisting program begins in June and application deadline is May 1; the Dental Hygiene program begins fall quarter and application deadline is June 15.

Applicants will normally be notified of their admission status within one to three weeks after the admissions office has received the application fee and all pertinent records and materials; this includes ACT scores, rank in class, courses in progress, plus the MSAT score for those applying to the College of Liberal Arts; General College; College of Education; and the Duluth, Morris, and Crookston schools.

(Admission Procedures For Entering Freshmen)

Special Types of Admission

1. **Summer Session:** High school students who have unusual competence and interest in special areas may be considered for college courses during the summer (usually between junior and senior year in high school). Students may in this way take courses which are not normally given in high school. Recommendations from the high school and the University college involved are required. Application is made using the regular freshman application form. Students who wish to attend Summer Session immediately after graduation from high school must also use the regular freshman application.
2. **Concurrent with High School:** Some outstanding high school students are permitted to take college courses concurrently with their high school programs. Special competence and interest in the particular area are necessary, and recommendations from the school and college are required. Application is made using the regular freshman application form.
3. **Early Admission:** Outstanding high school students who have not yet graduated may be admitted to the University (usually after the junior year). Such persons must be sufficiently mature to adjust to University life and work. Personal interviews, comprehensive testing, and letters of recommendation from the high school principal or counselor and parents are required. Fall quarter applicants should apply in the winter or early spring, using the regular application form. A student admitted under this plan would normally not receive a high school diploma.

Placement and Credit Procedures

1. **Placement in Freshman English:** Primarily on the basis of ACT scores and high school grades, all students who take freshman year English in CLA, IT, or at Duluth or Morris are assigned to one of several placement categories. A minimum of three levels of courses are offered at these three colleges: (1) courses for superior and above-average students, (2) courses for average students and (3) remedial coursework (composition X, no credit, special fee) preparatory to taking a freshman English course for credit. The Morris Campus offers remedial work in English on a tutorial basis only.

Freshmen registered in the College of Agriculture, Forestry, and Home Economics are placed in English courses offered in the Rhetoric department of AFHE. Individualization of instruction occurs within the rhetoric courses, and freshman honors courses are offered.

General College students enroll in General College writing laboratory courses. There is no placement on the basis of ability, although students with special problems may be advised to register for special work. Satisfactory performance (C-plus or better) in specified General College writing laboratory courses will satisfy the freshman English credit requirement for a bachelor's degree.

2. **Placement in Mathematics, Chemistry, and Foreign Languages:** These placement procedures are discussed in the CLA section.

(Admission Procedures for Entering Freshmen)

3. CEEB Advanced Placement Examinations: These examinations are a basis for credit or placement or both. Students may request that their scores be sent to the University, and these will be forwarded to teaching departments for determination of credit or placement. Such credit and placement are granted in most areas of study for scores of three or higher.

4. Credit and Placement by University Examination: Credit earned by University-administered examination applies toward graduation credit requirements and becomes part of the student's permanent University record. Such credit may be used in the same way as credit earned by attending class. Placement by examination permits a student to enroll in more advanced or more appropriate classes (e.g. he may demonstrate proficiency in a course prerequisite, which will then be waived). Placement alone does not reduce credit requirements. The determination of whether a particular student receives credit or placement rests with each individual teaching department. A freshman seeking such advanced placement contacts his freshman adviser or his college office.

Addresses of the Admissions Offices

Counselors and/or students with questions regarding admission are encouraged to contact the appropriate Office of Admissions and Records.

For those colleges located in Minneapolis:

Advanced Standing

Office of Admissions
6 Morrill Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-2144

Freshman

Office of Admissions
49 Johnston Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-9892

For those colleges in St. Paul (Agriculture, Forestry and Home Economics; Veterinary Medicine; Biological Sciences):

Office of Admissions
220 Coffey Hall
University of Minnesota
St. Paul, Minnesota 55108
Telephone 373-0703

Crookston:

Office of Admissions
University of Minnesota
Technical Institute, Crookston
Crookston, Minnesota 56716
Telephone 281-6510 Ext. 242

(Admission Procedures for Entering Freshmen)

Duluth: Office of Admissions
114 Library
University of Minnesota, Duluth
Duluth, Minnesota 55812
Telephone 724-8801, Ext. 293

Morris: Office of Admissions
Behmler Hall
University of Minnesota, Morris
Morris, Minnesota 56267
Telephone 589-2211, Ext. 27

C. ADMISSION WITH ADVANCED STANDING

A student who plans to attend another institution and then transfer to the University should keep in mind the requirements of the program he plans to enter at the University. The appropriate University bulletin will be of help to him, even in planning his program at the first institution. Students planning to transfer to the University will find that it is relatively easy to receive transfer credit for course work when careful planning is done to schedule courses equivalent to those required in University programs.

For most programs, students who have completed one or more years of study at another accredited college with at least a C average on all work attempted and who have an objective appropriate to the college curriculum will be considered for admission. Students with minimum records will be individually reviewed. Grades as earned at the first institution are recorded on the student's University record; however, only grades earned at the University are considered when computing grade point average for graduation requirements.

Some of the professional programs have additional course and grade point requirements. The colleges and programs which do require some previous college work are listed, and also shown in graphic form in the bar chart, in the Appendix.

Students with less than one year of previous college work are admitted on the basis of their high school records and test scores as well as their college records.

D. ORIENTATION-REGISTRATION

On the Twin Cities, Duluth, and Morris campuses, new students entering fall quarter attend a two-day Orientation-Registration program in August or September. A letter from the student's college giving the specific dates of the program is sent to each student about three weeks in advance. Dates are assigned to students in the order that they are admitted. The program includes: testing, advising and registration

(Orientation-Registration)

for courses, and group discussion sessions. Upperclassmen and faculty help to acquaint the new student with the campus and its academic and extracurricular opportunities as well as the student personnel services designed to assist the student to maximize his educational experience. An adviser will help each new student plan his academic program for the coming term. The student then will complete registration, pay fees, and purchase books. The Crookston campus holds an orientation program the week before classes begin.

FRESHMAN CAMPS: Seven new-student camps are held simultaneously at sites near the Twin Cities the weekend before Welcome Week. Similar camp programs are conducted at Duluth. Programs consist of discussions with faculty, upperclassmen, and fellow campers on intellectual development, personal values, human relations, aesthetics, and vocational choice. In the informal setting of the camp, the new student is helped to acquire a broader understanding of the goals of a university. Emphasis is placed on the individual responsibility and the personal initiative necessary to acquire a college education in and out of the classroom. Cost of the camp is \$15. Application blanks are available during orientation.

WELCOME WEEK: The week prior to the beginning of classes consists of a series of academic and extracurricular programs to interpret the collegiate experience to new students. The week is designed to make the student realize that learning can be exciting and stimulating: to instill in him a sense of mission in his quest for knowledge at the same time that he is learning about the University. Every day Welcome Week group forums and small discussion seminars are conducted by trained upperclassmen. This reunion of the Orientation-Registration groups provides each new student with a starting point for planning his activities for the week.

SPECIAL DEAN'S RETREAT FOR HIGH-ABILITY STUDENTS: A series of weekend camp retreat programs are held each quarter during the academic year to facilitate informal intellectual exchange between gifted freshmen and faculty members known for their excellence. The retreats are sponsored and coordinated by the Dean of Students Office. Upper-class students who attended during their freshman year assist in the planning and administration. Reunion retreats are held periodically. Freshmen in all colleges of the University are eligible and are invited to attend on the basis of demonstrated performance on tests (e.g., MSAT) in high school and on work during their first quarter at the University.

STUDENT HANDBOOKS: The Moccasin provides information about the University, answering many questions that new students ask. It describes the many traditions, services, and activities at the University of Minnesota and discusses such matters as grading and credit systems, classroom attendance, University regulations and policies, etc. It is mailed to new students prior to Orientation-Registration. Trailways provides information about the Duluth Campus describing the services and activities available on that campus.

E. COSTS

The cost of attending the University varies from student to student depending on his personal tastes and spending habits. It is possible to live very economically -- most students do. The figures given below do not include personal expenses for such items as clothing, laundry, recreation, or for commuters' transportation and lunch costs. In general, a commuter (to the Twin Cities Campus) will spend about \$1,500 and a student living in a campus residence will spend about \$2,070. Exact costs are given in the Fee Schedule in the Appendix and in the General Information Bulletin. Here are cost estimates for tuition and fees, books and supplies, and room and board in 1969-70:

	<u>Twin Cities</u>	<u>Duluth</u>	<u>Morris</u>	<u>Crookston</u>
Tuition and Fees	\$510	\$489	\$498	\$465
Books and Supplies	125	125	125	125
Room and Board	1000	800	830	780

COSTS FOR COMMUTERS: Approximately \$640 per year (includes basic tuition, incidental and other fees, books and supplies) plus cost of transportation and lunches (about \$200). Obviously, this amount does not include normal expenses of living at home (room and board, clothing, etc.). In-city commuters by bus spend about \$125 per year on fare; St. Paul residents attending Minneapolis classes spend about \$180. (Free bus service between Minneapolis and St. Paul campuses, also free bus service between East and West Banks on Minneapolis Campus). Commuters by car might spend \$50 or more per year on parking fees. (See Appendix on parking.)

COSTS FOR CAMPUS RESIDENTS: Approximately \$1,640 per year (includes \$640 for basic tuition, incidental and other fees, books and supplies; room and board \$1,000). At Morris the annual cost of attending is about \$1,460 and at Duluth about \$1,420, at Crookston \$1,375. See table above.

TIME OF PAYMENTS: Tuition and incidental fee \$170.00 total per quarter in most colleges) are due shortly before quarter classes begin. Room and board bills in University residence halls may be paid either monthly or at the beginning of each quarter. Books are bought at the beginning of each quarter, though the outlay is apt to be highest at the beginning of the school year since sequence courses often use the same text books throughout all or part of the total sequence.

AVERAGE MONTHLY COSTS FOR FRATERNITIES AND SORORITIES:

FRATERNITIES: TOWN MEN (members not living in the fraternity house) - Monthly costs range from \$35 to \$50 depending on the number of meals taken at the house. (This amount includes parlor fee: social fee covering parties, speakers, etc.; dues, building fund, etc.; board for meals.)

HOUSE MEN (members living in the fraternity house) - Monthly costs usually range from \$90 to \$110, which includes all the town man's billing as well as room and board.

Additional expenses for pledge fee and initiation fee - The initiation fee ranges from \$45 to \$90, with the average approximately \$70. (In some fraternities, that includes the fraternity pin.) Some fraternities assess pledging fees at pledge time; these range from \$1 to \$30.

(Costs)

SORORITIES: TOWN GIRLS (members not living in the sorority house) - Monthly costs average \$40 (includes board, dues and fees).
HOUSE GIRLS (members living in the sorority house) - Monthly costs average \$115 (includes rent, board, dues and fees).
Additional expenses - These include pledge fee (average \$22), initiation and pin (\$65 average) and building fund (from \$100 to \$125). The initiation and pledging fees are usually paid in one sum, while the building fund is generally paid over the years of membership.

F. FINANCIAL AID

Several sources should be considered in the financing of a college education: the parent; the student (his savings and earnings); and the University itself, which provides scholarships, grants, loans and jobs. College costs are high; however, systematic planning by a prospective college student with his parents, school counselor, and the University financial aids officer now makes the financing of a higher education a reality.

Scholarships

High school seniors who are in the upper quarter of their class are invited to apply for freshman scholarships ranging in value from \$100 to \$1,000. About 500 scholarships based on high school academic record, leadership, character, vocational promise, and financial need, are awarded annually. The average scholarship is \$250.

Two forms are required: one is the Application for Financial Aid, the other is the Parents' Confidential Statement of the College Scholarship Service. A supply of the former is sent to all Minnesota high schools. The latter is obtained by writing to the College Scholarship Service, Box 176, Princeton, New Jersey. Applications for scholarship must be received by December 15. Announcement of scholarship awards will occur on or about May 1.

Grants

Educational Opportunity Grants, ranging from \$200 to \$800 per year, are given to needy students. Usually these grants are renewable for up to four years in an amount commensurate with the student's financial need. Grants require equal institutional funds for matching and thus imply that a student must be prepared to accept a loan or part-time employment. Early application is encouraged.

Loans

The University can offer student loans up to \$400 a year and with a total indebtedness not to exceed \$1,000. These loans carry 3% interest while the student is enrolled at the University. After the student leaves the University, a 5% interest is charged. Freshmen are also eligible for NDEA loans, which do not accrue interest during the time the borrower is in full-time attendance. In any one academic year the amount may not exceed \$1,000 and any one student may not borrow more than \$10,000 in total during his attendance at the University. Application for these loans should be made by December 15 of the senior year to assure processing of the loan by fall quarter. Late applications result in a later processing date and a lower priority grouping.

Martin Luther King Scholar Program

This program is designed to aid those students who need significant financial and/or academic assistance in order to attend the University. The services are offered without regard to race, color, creed, or national origin.

(Financial Aid)

An MLK applicant will be considered for the normal types of financial aid, and special programs of academic assistance are available. More information about the MLK program may be obtained from the Office of Admissions and Records or the Office of Student Financial Aid.

Employment

Though it is probably not advisable for first-quarter freshmen to work, many part-time employment opportunities are available to students; in fact, in recent years the demand has exceeded the supply. Job placement depends on the student's qualifications, his need, and the hours he is free to work. It is possible for students to earn as much as \$1,500 a year (including full-time summer work). Work for board and room is usually available for girls and sometimes for men or married couples.

Work opportunities for full-time students from low income families are included in the Work-Student Program, one of the provisions of the Higher Education Act of 1965. Once a student is admitted to the University, he is eligible to apply for this program and may begin work even before he is enrolled for classes; for instance, it is possible that an incoming freshman may work the full summer before fall quarter classes begin. Where possible, the jobs are related to the interests of the student.

For further information on financial aid, contact:

TWIN CITIES CAMPUS

Loans, Scholarships, Work-Study:

Office of Student Financial Aid
107 Armory
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-4021

Part-time Employment:

Student Employment Service
30 Wulling Hall
University of Minnesota
Minnesota, Minnesota 55455
Telephone 373-3674

DULUTH CAMPUS:

Financial Aids Office
120 Library
University of Minnesota, Duluth
Duluth, Minnesota 55812
Telephone AC 218, 724-8801, Ext 475

MORRIS CAMPUS:

Financial Aids Office
209 Behmler Hall
University of Minnesota, Morris
Morris, Minnesota 56267
Telephone AC 612, 589-2216

CROOKSTON CAMPUS:

Office of Admissions and Financial Aids
201 Selvig Hall
University of Minnesota Technical Institute
Crookston, Minnesota 56716
Telephone AC 218, 281--6510 Ext 242

G. HOUSING

Several categories of housing are available to students. Many students (about 50%) live at home with their families, or with friends, and commute to campus each day. Students may also make their own arrangements for private housing, if they meet certain age requirements. Types of housing that are in some measure supervised by the University are described below.

Twin Cities Campus

1. **Residence Halls:** These are owned and operated by the University. Application is made independently of application for admission, and may be done before the student has been formally admitted to the University. In the past few years, these practices have been followed: The student should make application any time after January 1 for accommodation in University residence halls by submitting an application-contract and a \$25 advance payment. Due to the severe limitation of available housing, application should be made at the earliest possible time after January 1. Application forms can be secured from any residence hall or from the Director of Housing, 180 Westbrook Hall, University of Minnesota, Minneapolis, Minnesota 55455, telephone 373-3758.

Contracts are official only when the signed contract application (which is for the academic year) and the \$25 deposit have been sent to the University, and the student has received proper notification from the Housing Office. If the student cancels his contract application before July 1, part of his deposit will be refunded; after July 1, there is no refund.

2. **Off-Campus Housing:** Information on private housing approved by the University can be obtained from:

(Twin Cities Campus/Mpls.):

Student Housing Bureau
209 Eddy Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-4184

(Twin Cities Campus/St. Paul):

Student Housing Bureau
101 Coffey Hall
University of Minnesota
St. Paul, Minnesota 55101
Telephone 373-0822

3. **Fraternities and Sororities:** Nearly all fraternities and sororities have houses. See Extra-curricular Activities. For further information on Rush Week and fraternity and sorority pledging, a student can write to the Student Activities Bureau, 4 TNM, University of Minnesota, Minneapolis, Minnesota 55455. See Section E for approximate costs.

Duluth Campus

1. Residence Halls: Requests for reservations should be addressed to the Housing Office, 110 Library Building, University of Minnesota, Duluth, Duluth, Minnesota 55812. Reservations are official only when a signed contract and a \$25 deposit have been sent to the University and the student has received official confirmation. Refund of the \$25 deposit will be made only if the resident head counselor is notified by August 15 for fall quarter (December 10 and March 10 for winter and spring quarters respectively).
2. Off-Campus Housing: Up-to-date listings of off-campus housing in Duluth for single men, single women, and married students are maintained by the Housing Office in Student Personnel Services, 110 Library Building. Reservations for off-campus housing must be made in person. Unmarried students under 21 years of age must have their places of residence approved by the University. To live in an apartment, single women under 21 years of age must have approval from Student Personnel Services.
3. Fraternities and Sororities: One fraternity at Duluth has housing; no sororities have housing facilities.

Morris Campus

1. Residence Halls: All newly admitted Morris students are sent a room reservation form and detailed descriptive information concerning room and board rates and facilities available following receipt of their letter of acceptance from the college. Advanced requests for information concerning on-campus housing should be addressed to the Director of Housing, University of Minnesota, Morris. Contracts are required and are made for the entire year. A reservation is official only when the signed contract and a \$25 deposit are received. The \$25 deposit will be deducted from the first month's room and board account. Residence hall reservations for the fall may be cancelled before August 1 with a refund of \$15 of the initial deposit. After August 1 the deposit cannot be refunded.
2. Off-Campus Housing: University regulations require that all unmarried students under 25 years of age living off campus must dwell in University approved housing. Listings of approved housing are available at the Morris Housing Office.
3. Fraternities and Sororities: Two fraternities have housing facilities; no sororities do.

Crookston Campus

Students who do not commute from their homes will reside in University of Minnesota Technical Institute residence halls. All admitted students will receive a room reservation form following their letter of acceptance. Requests for board and room information and completed room reservations should be mailed to the Student Affairs Office, University of Minnesota Technical Institute, Crookston, Minnesota 56716.

H. UNIVERSITY SERVICES

Counseling

The Student Counseling Bureau (101 Eddy Hall) offers specialized counseling and testing services, study skills assistance, vocational guidance, and personal counseling. For these services, St. Paul students may contact the Student Counseling Bureau representative in 101 Coffey Hall; Duluth Campus students may contact the Counseling Office, 150 Kirby Student Center; Morris Campus students go to the Student Counseling Service in Behmler Hall; and Crookston students go to the Office of Student Affairs, Selvig Hall.

Pre-College Counseling is available to prospective students for a small fee at the Student Counseling Bureau in Minneapolis. Such counseling is also available at Crookston, Duluth, and Morris.

In addition to the services provided by the Student Counseling Bureau, University students receive academic counseling in the particular college of their choice or in the department of their chosen major. In some colleges this counseling is a part of the orientation-registration program.

Health Services

The Health Service facilities on the four campuses provide medical care to all students who pay the incidental fee. An entrance physical examination performed by the student's private physician is required prior to registration (except at the University of Minnesota, Morris, where students may take their physical exam during registration).

Hospitalization - Arrangements have been made on all campuses to provide hospitalization for students who are sufficiently ill to require bed rest, even for short periods of time.

Supplemental Blue Cross-Blue Shield Coverage - Single students or family supplemental health-care coverage is available on all campuses.

For more detailed information regarding Health Service benefits, see the General Information Bulletin. Additional information about facilities, benefits, and supplemental Blue Cross-Blue Shield coverage at the Crookston, Duluth, and Morris campuses is contained in their general bulletins.

Selective Service Information

Selective Service policy encourages qualified students to stay in school as long as they can. Information on Selective Service can be obtained from:

Twin Cities Campus:

National Services Adviser
105 Morrill
University of Minnesota
Minneapolis, Minnesota 55455

(University Services)

Duluth Campus:	Supervisor, Admissions and Records University of Minnesota, Duluth Duluth, Minnesota 55812
Morris Campus:	Records Office University of Minnesota, Morris Morris, Minnesota 56268
Crookston Campus:	Office of the Registrar University of Minnesota Technical Institute Crookston, Minnesota 56716

I. RESERVE OFFICERS' TRAINING CORPS

Army, Navy, and Air Force ROTC offer elective courses leading to an officer's commission to regularly enrolled male students who meet physical, character, age, and citizenship requirements. On the Twin Cities Campus the Navy and Army offer both two and four-year programs, and the Air Force offers a two-year program. Both two-year and four-year Air Force ROTC programs are offered on the Duluth Campus.

Academic credits received for ROTC courses are applicable towards graduation in most University colleges. Qualified students register at the same time and in the same manner as for other academic courses at the University. Students receive a monthly subsistence during two-year programs and during the last two years of four-year programs, and ROTC textbooks and uniforms are furnished. Competitive scholarships are available for outstanding high school students, and successful applicants receive more generous benefits. General information is given during Orientation-Registration; however, students interested in the regular NROTC or in scholarships should apply early in their senior year of high school.

J. EXTRACURRICULAR OPPORTUNITIES

Student Organizations

The University encourages students to enter actively into organized student life and activities. Several hundred student organizations at the University cover a wide range of student interests: student government; student publications; political and social action groups; religious organizations (see below); departmental and professional groups such as the Accounting Club, Classics Club, Forestry Club, and Philosophical Society; language and cultural groups such as the Russian Club or Le Cercle Francais and the International Relations Club; and recreation and hobby groups such as the Flying Club, the Minnesota Rovers, and the Toastmasters Club.

(Extracurricular Opportunities)

Religious and Interfaith Organizations - Religious and interfaith organizations are active on all campuses; five foundations exist at Morris, ten at Duluth, and more than thirty, a number of which have their own buildings, on the Twin Cities campus.

Fraternities and Sororities - Rushing: Membership drives are conducted periodically during the academic year. Formal Rush is held at the beginning of fall (for sororities - two weeks before classes begin) and spring quarters, and Informal Rush at other times during all three quarters. A student interested in joining must register for rushing at the Panhellenic and Interfraternity Councils' Office, Room 349 Coffman Union.

Eligibility to Join - Any regularly enrolled new student who shows scholastic promise (based on college aptitude tests and high school achievement) or any advanced student with a 2.0 grade point average (in some fraternities, a 2.2 average) or any C average student transferring to the University of Minnesota from another institution may be invited to join a sorority or fraternity. After accepting, the student enters into a period of pledgeship which generally lasts for a quarter. Active membership is then available if the student satisfies the academic requirement (2.0 grade point average) for the initiation.

Housing - Most chapters on the Twin Cities Campus (27 fraternities, 19 sororities) offer facilities for student housing and eating. Generally, there has been no housing shortage, but when one arises in a particular house, preference for housing goes to members who cannot commute from home. With the exception of one fraternity at Duluth, fraternities and sororities on that campus do not have facilities for student housing. At Morris, two fraternities have student housing facilities; thus far no sorority houses have been constructed at Morris.

Costs on the Twin Cities Campus - It is difficult to give estimates of the monthly or quarterly costs of membership in sororities and fraternities, for not only do the costs vary between chapters but also the methods of handling monthly bills may vary considerably. However, monthly living expenses compare favorably with those of University residence halls. For detailed estimates of average monthly costs in fraternities and sororities for commuters versus members who live in chapter houses, see section on Costs, page 9.

Professional Fraternities and Sororities - Men and women students with similar professional and vocational aims join together to promote their common interest and to provide social activity for the members. Most of the fraternities and one of the sororities in the Twin Cities maintain residences with eating accommodations.

Membership is by invitation, with a particular academic specialization as prerequisite. Most of the resident groups conduct a rushing period.

Student Unions

Much of the social and extracurricular activity centers around facilities of the student unions -- Coffman Memorial Union in Minneapolis, the Student Center in St. Paul, Kirby Student Center on the Duluth Campus, and various buildings and residence halls on the Crookston and Morris Campuses.

(Extracurricular Opportunities)

Cultural Opportunities

Cultural opportunities are available to students through convocations on all campuses. Other cultural opportunities include exhibits at the Museum of Natural History and departmental exhibits; art galleries (University Gallery in Northrop Auditorium and Tweed Gallery at Duluth); University Theatre (Minneapolis and Duluth); and musical groups open to students. Northrop Auditorium is the home of the Minneapolis Symphony. The University Artists Course presents in Northrop Auditorium a number of top flight artists, ballet, and world famous musical organizations each year.

Athletics and Recreation

Opportunities as either a participant or spectator are available in the intercollegiate athletics program for men, sponsored by the various departments of intercollegiate athletics. Any qualified male students are encouraged to try out for any of the intercollegiate freshman or varsity sports and should do so by contacting their respective coaches. All students are welcome to purchase student athletic tickets which entitle the holder to admission to all Minnesota events in the intercollegiate sports program.

Facilities for athletic and general recreational activities are provided on all campuses:

TWIN CITIES CAMPUS

Minneapolis

For Women -- Instruction in individual and team sports, dance, aquatics, body conditioning, as well as recreational activities, centers in Norris Gymnasium.

For Men -- Broad plan of organized intramural sports and other leisure-time activities is supplemented by extensive facilities for recreation in Cooke Hall, Memorial Stadium, the Field House, and Williams Arena.

For Both Men and Women -- Outdoor playing fields, tennis courts, indoor skating rink, and two golf courses.

St. Paul

Instruction in physical education for men and women in a wide variety of activities, as well as an active program of intramural sports and general recreational activities, is conducted in the St. Paul gymnasium.

DULUTH CAMPUS

In addition to its participation in intercollegiate athletics, the Duluth Campus offers an extensive program in health and physical education for men and women, ranging from organized intramural sports to special-interest clubs such as an aquatics group. Duluth has its own ski area, and facilities for many other sports are available on and off campus.

MORRIS AND CROOKSTON CAMPUSES

In addition to intercollegiate athletic programs, instruction in physical education for men and women, a program of intramural sports and general recreational activities is provided.

PART II

OBJECTIVES, PROGRAMS, ADMISSION REQUIREMENTS,* SPECIAL CHARACTERISTICS OF THE COLLEGES WHICH ADMIT FRESHMEN:

University of Minnesota, Twin Cities

College of Agriculture, Forestry, and Home Economics

College of Education

General College

College of Liberal Arts

Institute of Technology

University of Minnesota, Duluth

University of Minnesota, Morris

Technical Institute, Crookston

OTHER DAY SCHOOL PROGRAMS

PROGRAMS WHICH REQUIRE PREVIOUS COLLEGE WORK

EVENING CLASSES AND INDEPENDENT STUDY

* Admission requirements apply only to residents of Minnesota

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

The College

The College of Agriculture, Forestry, and Home Economics (AFHE) is located in St. Paul near the Minnesota State Fairgrounds. The campus is large and roomy, and because of a moderate enrollment, it has many of the characteristics of a small college. The inter-campus bus connects the St. Paul with the Minneapolis Campus, and students are thus able to benefit from the activities of the whole University. Students enrolled in classes in both Minneapolis and St. Paul ride the inter-campus bus at no charge. AFHE students spend nearly all of their time on the St. Paul Campus; housing and other services are conveniently located. All of the AFHE curriculums draw on courses in other schools and colleges of the University, and many of these courses are offered on both campuses.

Student Body

1. The undergraduate student body in the fall of 1968 was 2564; this included 542 new freshmen and 239 new advanced standing students.
2. The mean high school percentile rank for all freshmen entering AFHE in 1968 was 75; the mean MSAT percentile for this group was 61; and the mean ACT composite score was 23.
3. A total of 371 bachelor's degrees were conferred during the year 1967-68.

Academic Programs and Special Characteristics

These are described separately for Agriculture, Forestry, and Home Economics on the following pages.

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

AGRICULTURE

Programs and their duration

1. Four-year programs in Agriculture, leading to the degree of Bachelor of Science.
2. Four-year Bachelor of Science degree programs offered jointly with the College of Education (Agricultural Education) and the Institute of Technology (Agricultural Engineering).
3. A four-year Bachelor of Agricultural Business Administration degree program offered jointly with the School of Business Administration.
4. Programs which take less than four years are listed below and described more fully in the Agriculture bulletin.

Curriculums

1. Agricultural Business Administration (offered jointly with the School of Business Administration).

2. Agricultural Science and Industries

Majors: Agricultural Economics
Agricultural Education (joint registration with College of Education)

Animal Science
Mechanized Agriculture
Plant and Animal Protection
Plant and Soil Science

3. Biological and Physical Sciences in Agriculture

Majors: Animal Science
Entomology
Food Science
Plant and Soil Science

4. Fisheries

5. Food Science and Industries

6. Resource and Community Development

Majors: Landscape Design and Environmental Planning
Recreation Resource Management
Resource and Community Development
Soil and Water Resource Management

7. Wildlife

AFHE

AGRICULTURE

Other Programs (less than four years):

1. Pre-Veterinary Medicine: at least two years
2. Technical Certificate in Agriculture: 60 credits (an option in nursery management is available)
3. International Agriculture: an enrichment program; a certificate is available upon completion of 18 credits of prescribed work, which is in addition to the major and all-college requirements. Open to all students in four-year programs in Agriculture.

Admission Requirements

Freshman Admission: High school graduates in the upper 60% of their class may be admitted if they have completed 12 units in grades 10-12. This includes:

- 3 units in English
- 1 unit in elementary algebra
- 1 unit in plane geometry
- 1 unit in higher algebra or equivalent courses
- 1 or more units in natural science or agriculture

Advanced Standing Admission: See statement in Part I.

Special Characteristics

1. Students

- In the fall of 1968 there were 1117 Agriculture majors
- The number of graduates during 1967-68 (four-year bachelor degrees) was 168 in Agriculture, 34 in Agricultural Business Administration, and 19 in Agricultural Education.

2. Placement

- Only about five percent of the University's Agriculture graduates return to farming. Approximately 25% go on for graduate work; about 18% go directly into military service; 30% enter some kind of public agricultural work -- education, extension, or government service; and the remainder enter the commercial or agri-business field.
- The Placement Office serves the graduating students as well as alumni. In recent years Agriculture graduates have had three to four offers per graduate; starting salaries averaged approximately \$7,000 annually in 1967.

AFHE

AGRICULTURE

Reference Material

Agriculture bulletin and "Rewarding Careers in a Dynamic Industry", both available from the AFHE College Office.

Questions may be directed to:

AFHE College Office
215 Coffey Hall
University of Minnesota
St. Paul, Minnesota 55101

or

Office of Admissions and Records
220 Coffey Hall
University of Minnesota
St. Paul, Minnesota 55101

Telephone 373-0921

Telephone 373-0703

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

FORESTRY

Programs and their duration

Four-year programs, leading to the Bachelor of Science (B.S.) degree

Curriculums

1. Forest Resources Development

Options: Multiple Use
Timber Production
Watershed Management
Forest Recreation
Forest Wildlife
Wood Products Utilization

2. Forest Science

Options: Natural Science
Social Science

3. Forest Products Marketing

4. Forest Products Engineering

5. Recreation Resource Management

Admission Requirements

Freshman Admission: High school graduates in the upper 60% of their class may be admitted if they have completed 12 units in grades 10-12. This requirement includes:

3 units in English
1 unit in elementary algebra
1 unit in plane geometry
1 unit in higher algebra or equivalent courses
1 unit in natural science

Advanced Standing Admission: Students registered in preforestry curriculums at state, junior, and private colleges should complete the basic course requirements included in the School of Forestry curriculums if they are to receive full credit on transfer for work completed. In addition, students who plan to complete the professional course requirements of the School of Forestry in two years should transfer no later than the end of their second year. Also see general statement in Part I.

Special Characteristics of the School of Forestry

1. Students and Faculty

- In the fall of 1968 there were 441 forestry majors.
- The number of graduates during 1967-68 (four-year bachelor degrees) was 85
- The faculty in the School of Forestry numbers 32.

2. Special Opportunities

- In addition to the physical facilities on the Twin Cities Campus/ St. Paul, the two field stations at Cloquet and Itasca State Park provide outstanding opportunities for education and research. The Cloquet Forest Research Center consists of over 3,700 forested acres, while the Itasca Forestry and Biological Station has 30,000 acres.

3. Placement

- Graduates of the School of Forestry enter a wide range of employment, including positions with the forest product industries, public forestry and conservation agencies, and consulting firms. Starting salaries for graduates range from \$6,000 to \$8,000 annually. There is an abundance of excellent job opportunities for graduates of all forestry curriculums.

Reference Material:

Forestry bulletin:

"Programs in Professional Forestry";

"A Perspective on Careers in Agriculture, Forestry and Home Economics",
all available from the AFHE College Office, address below.

Questions May Be Directed To:

College of Agriculture, Forestry, and Home Economics
215 Coffey Hall
University of Minnesota
St. Paul, Minnesota 55101
Telephone 373-0921

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

HOME ECONOMICS

Programs and their duration

1. Four years leading to the Bachelor of Science (B.S.) degree
2. A four-year Bachelor of Science program in Home Economics Education, offered jointly with the College of Education

Curriculums

1. Family Social Science
 - Family Relationships Emphasis
 - Family Economics Emphasis
2. Foods
 - Foods in Business
 - Foods Major, Journalism Minor
 - Preparation for Research in Foods
3. Home Economics Education (offered jointly with the College of Education)
 - Home Economics Teaching - Secondary, Adult
 - Home Economics Extension
4. Household Equipment
 - Preparation for Research in Household Equipment
 - Household Equipment in Business
5. Nutrition and Food Service Administration
 - Dietetics
 - Food Service Administration
 - Nutrition Science
6. Related Art
 - Interior Design
 - Costume Design and Fashion
 - Decorative Arts: Art History Emphasis
 - Decorative Arts: Studio Emphasis
7. Textiles and Clothing
 - Textiles and Clothing in Business
 - Textiles and Clothing Major, Journalism Minor
 - Preparation for Research in Textiles and Clothing

AFHE

HOME ECONOMICS

8. General Home Economics

General Home Economics
Home Economics and Nursery School Education

Very few areas in Home Economics provide for minor fields. In some there are sufficient electives to permit participation in the Enrichment Program in International Affairs.

Admission Requirements

Freshman Admission: High school graduates in the upper 60% of their class may be admitted if they have completed 12 units in grades 10-12. One unit in Home Economics may be included. Required are:

- 3 units in English
- 1 unit in elementary algebra
- 1 unit in plane geometry
- 1 unit in higher algebra (not required for Related Art majors)

Advanced Standing Admission: Students planning to transfer to AFHE should refer to the program section of the Home Economics bulletin and select courses that will meet specific curricular requirements. Most of the curriculums are highly science-oriented. Students planning to enter one of these programs should try to submit credits which demonstrate an aptitude for the biological and physical sciences. See also the general statement in Part I.

Special Characteristics of the School of Home Economics

1. Students and Faculty

- In the fall of 1968 there were 1006 Home Economics majors
- The number of graduates during 1967-68 (four-year bachelor degrees) was 106 of which 44 were in Home Economics Education.
- The Home Economics faculty numbers 60 full and part-time individuals.

2. Placement

- About 65% of the Home Economics graduates enter teaching, usually in secondary schools, or enter home economics extension. About 5% become dietitians; and the remaining 30% enter various business and industrial consumer service occupations. In the long run, of course, almost all home economists marry and apply their training in managing a home and family.
- The Twin Cities area provides employment for a large number of graduates trained in the School of Home Economics. Average beginning annual salaries for new graduates was \$5,800 in 1966.

AFHE

HOME ECONOMICS

Reference Material

Home Economics bulletin, and brochures prepared and available through the AFHE College Office, address below.

Questions May Be Directed To:

College of Agriculture, Forestry, and Home Economics
215 Coffey Hall
University of Minnesota
St. Paul, Minnesota 55101
Telephone 373-0921

COLLEGE OF EDUCATION

The College

All programs in the College of Education, with the exception of Physical Education and Recreation Leadership, require previous liberal arts work. This means that students register in the College of Liberal Arts for one or two years before entering the College of Education, or in the case of Home Economics Education or Agriculture Education, in the College of Agriculture, Forestry, and Home Economics.

All programs for teachers offered at the University of Minnesota include three broad categories of study: general education, where the emphasis is on broad cultural knowledge and understanding; specialized education, where the emphasis is on mastery of a teaching subject; and professional education, where the emphasis is on understanding the history and philosophy of education and the process of learning. This includes studying the psychology, growth, and development of children; teaching techniques; classroom guidance; tests and measurements; student teaching; and curriculum and organization.

All states require at least a four-year degree for teaching in secondary schools, and all but a few have a similar requirement for elementary teachers. In Minnesota the minimum basis for certification is graduation from a four-year bachelor's degree program of a college accredited for teacher education. Of the 2,000-plus colleges in the United States, only about 300 are accredited for teacher education by the National Council for Accreditation of Teacher Education (NCATE); the College of Education at the University of Minnesota is one of these 300. In order to obtain a teacher's certificate, those students who attend the University in Minneapolis-St. Paul must complete their B.S. degree program in the College of Education. (Full certification is also available at Duluth and Morris.) Anyone who wants to qualify to teach in another state may have his program modified to meet the certification requirements of that state.

Because it is a part of a large University, the College of Education is able to draw on the resources of other colleges on campus. It is united with other colleges of the University in the common aim of fostering liberal education for all students, regardless of vocational goals.

Programs and their duration

The length of the College of Education program will depend on the pre-education studies, if any, that is required for the particular major. It takes a total of four years to obtain the Bachelor of Science (B.S.) degree, but the time in the College of Education varies from two to four years.

Majors

1. Majors which admit students as freshmen (though students with previous college level work are also admitted):

Physical Education
Recreational Leadership

College of Education

2. Majors requiring one year of liberal arts preparation before admission:

Art Education
Business Education
Distributive Education
Industrial Education
Music Education

3. Majors requiring two years of liberal arts before admission:

Biological Science	Geography	Political Science
Chemistry	German	Russian
Earth Science	History	Sociology
Economics	Language Arts	Spanish
Elementary Education	Latin	Speech, Communication, and Theatre Arts
English	Mathematics	Speech Pathology
French	Physics	

4. Majors normally requiring two years in the College of Agriculture, Forestry and Home Economics before admission; thereafter they require joint registration with the College of Education:

Agriculture Education
Home Economics Education

Minors are offered in the fields of Special Education, Journalism, and Library Science in addition to most of the fields listed above. These minors must be combined with one of the above majors. Endorsement programs are available for nursery school and kindergarten teaching and reading consultant.

Admission Requirements

1. Students will be considered for admission as freshmen to the Physical Education and Recreational Leadership curriculums if they have a College Aptitude Rating (CAR) of 50 or higher. (The CAR is the average of HSR percentile and MSAT percentile.) The MSAT and ACT tests are required of all freshman applicants.
2. Admission to the "Special" Fields in Education: These are College of Education curriculums in which students normally spend the freshman year in liberal arts work. Students planning to enter these majors (see Majors 2. above for "special" fields) are also expected to present a 2.5 average on all courses taken in the major. For more detailed information refer to the College of Education bulletin.
3. Admission to the Elementary Education Curriculum: Students are considered for admission to this program after two years of liberal arts work, with a minimum of 90 credits and a C average. Upon graduation the student is eligible for the general elementary certificate for teaching in grades one through eight. Additional certification for kindergarten and nursery school teaching is recommended when the student completes the special requirements of these endorsement programs.

College of Education

4. Admission to Academic Secondary Education Programs: These majors are listed under Majors, 3. with the exception of Elementary Education. Ninety quarter credits with at least a 2.0 average is required for admission. Fifteen of those credits must be in a major field with a 2.5 average and ten credits must be in a minor field with a 2.0 average.

Special Characteristics of the College of Education

1. Student Body and Faculty

- There are about 2,700 undergraduates, equally divided among elementary, academic secondary, and special fields. In 1967-68 there were 50 freshmen in the College of Education's Recreation Leadership and Physical Education programs.
- The median high school rank percentile for fall 1968 freshmen in the Recreation Leadership and Physical Education programs was 73.
- In 1967-68 1100 Bachelor of Science degrees were conferred by the College of Education.
- The College faculty during the past year consisted of the following number of full-time faculty (plus somewhat larger numbers of part-time staff): 48 professors, 45 associate professors, 33 assistant professors, and 70 instructors.

2. Student Services

- Student Personnel Office: The trained counselors and special facilities of the Student Personnel Office are available to high school seniors considering a career in teaching. Appointments can be made in 206 Burton Hall.
- Placement: The Bureau of Recommendations serves as the placement service for University graduates seeking careers in education. All College of Education students register with the Bureau when they are seniors; approximately 3,000 University of Minnesota students and graduates use the services of the Bureau each year. Its listings include positions in almost all nations which have educational systems. Eighty percent of the College of Education graduates choose to remain in Minnesota to teach, though a large number take jobs in California, New York, Hawaii, Alaska, and many other states.

The demand for teachers is great, especially for elementary school teachers and high school teachers in mathematics, the sciences, English, girl's physical education, agriculture, and home economics. In Minnesota and neighboring states first job salaries for teachers with a B.S. average \$5,500 for nine months, with increasing numbers in excess of \$6,000.

College of Education

Reference Material

College of Education bulletin

Questions May Be Directed To

College of Education Student Personnel Office
206 Burton Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-2257

GENERAL COLLEGE

The College

A student enrolled in the General College may pursue a program individually planned in consultation with his adviser, selecting courses from a free-choice curriculum. He may use this program as a means of exploring educational and personal interests, and as a foundation for advanced studies. He may combine work in general or liberal arts education with courses in such occupational sequences as dental assisting, marketing, electronics, law enforcement, ornamental horticulture, recreation leadership, and others. Credits earned in these fields and in some cases through work experience can be added to those earned in course work and applied to requirements for the Associate in Arts degree.

The two-year program leading to the Associate in Arts degree, sometimes in combination with certificates earned in one of the occupational sequences mentioned above, is composed for the most part of courses which, like those in liberal arts colleges, can be divided into three major divisions: the social sciences, the natural sciences, and the humanities. However, the curriculum departs from tradition in some respects. General College courses tend to be broad in scope rather than specialized, since they are designed primarily to meet the needs of those who do not go beyond the two-year degree -- the majority of the student population of the college. On the other hand, General College courses also can serve as introductions to specific subject matter fields for students who look ahead to four-year degrees. Such students may register for "combination programs", courses of study composed of General College courses and courses offered by the University department in which they hope to major.

In the General College, instruction focuses not only upon factual content, but also upon major concepts, general principles, relations in and among fields of knowledge, methods of problem solving, practical applications, and critical and creative thinking. The program includes instruction in such vital and frequently neglected aspects of adult life as vocational planning and family living.

Programs and their duration

1. Two-year program of general education leading to Associate in Arts (A.A.) degree.
2. Occupational sequences, including Marketing, Business, Recreation-Leadership, Electronics, Law Enforcement, Ornamental Horticulture, a two-year program in Legal and Medical Secretarial Training, and a one-year program in Dental Assisting. The Dental Assisting program begins in June. Application deadline is May 1.

Admission Requirements

The College is open to Minnesota residents who are high school graduates and who can profit from the curriculum offered. Non-high school graduates who perform satisfactorily on scholastic aptitude tests also may apply for admission. No particular plan of high school courses is required. Early application is important. Space limitations mean that it may not be possible to admit all applicants. Students whose ultimate objective is a bachelor's

General College

degree and who are eligible to enter programs leading toward this degree should seek direct admission to a four-year college.

Special Characteristics of General College

1. Transfer from General College

General College students may transfer to other colleges of the University if they earn grades demonstrating that they can meet the level of academic competition in the other college. Broadly speaking, this means that General College students must earn approximately a C+ average in General College courses for a minimum of one year and that they must have grades of at least a C in courses taken outside the General College. Most colleges grant advanced standing and full credit for General College courses. A major exception is the Institute of Technology where only a small proportion of General College work may be considered for transfer.

Between 20 and 25 percent of every entering class transfers to another college of the University, with another 20 percent entering colleges outside the University. The majority of the internal transfers occur at the end of the second year of residence. The College of Liberal Arts and the College of Education take the largest number of these General College transfer students.

2. Students and Faculty

The college usually enrolls approximately 3,000 students, about equally divided between freshmen and sophomores.

In the fall of 1968 the median high school rank percentile for entering freshman was 34; the median MSAT percentile was 29 and the median of the ACT composite score was 17.

The number of Associate in Arts degrees conferred annually has been about 650.

The faculty of General College with rank of instructor through full professor numbers ninety (full-time equivalent). It is highly qualified academically; of the 44 persons holding rank of assistant professor or above, two-thirds have doctorates. Many instructors holding the M.A. are doctoral candidates.

3. Counseling and Advising

One of the outstanding characteristics of the general education program of the General College is its counseling and advising service. Through this service, which includes testing of individual abilities and aptitudes, advisers help students plan course programs and extra-curricular activities of greatest personal interest to them. General College counselors and faculty members are readily available to help students with their educational, vocational, or personal problems.

General College

Reference Material

General College bulletin

Questions May Be Directed To

General College Office
106 Nicholson Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-4104

COLLEGE OF LIBERAL ARTS

The College

A degree in liberal arts represents preparation for a variety of objectives. It means the student has received an education designed to permit him to lead a satisfying and useful life; it may provide preparation for entry into graduate or a professional program; and it also equips the student to make his way in the world of work in many fields. The majority of four-year degrees given in America every year are in liberal education.

The College of Liberal Arts is divided into a Lower and an Upper Division. In the Lower Division, which includes the freshman and sophomore classes, students distribute their work in a number of fields to gain a broad, liberal education, and to explore various fields of knowledge, while at the same time taking courses pre-requisite to their later concentrations. This concentration may be a major in one of the 40 departments of the Arts College or in one of the 12 pre-professional programs offered by the College.

Students entering CLA as freshmen are assigned a college adviser during registration according to the intended major field. Sophomores are assigned an adviser who teaches in an academic department.

The Upper Division includes the junior and senior years, in which the student specializes in a field of interest (the major) while continuing his liberal education. Some pre-professional programs continue into the Upper Division.

In the fall of 1968, 11,993 students were in the Lower Division of CLA, 5,084 were in the Upper Division; in the Honors Program 200-250 were in the Lower Division and 450 were in the Upper Division (Honors opportunities are discussed on a following page).

Programs and their duration

1. Four-year programs in majors or interdepartmental curriculums listed below, leading to the Bachelor of Arts (B.A.) or the Bachelor of Fine Arts (B.F.A.).
2. Pre-professional curriculums from one to four years in length, depending on the requirements of the professional programs. (See Appendix for list of programs requiring pre-professional training).
3. Joint registration and combined programs offered in combination with the College of Agriculture, Forestry, and Home Economics, School of Medicine, School of Dentistry, and College of Education. See bulletins for details.
4. Two-year programs, leading to Associate in Liberal Arts (A.L.A.).

College of Liberal Arts

Lower Division Programs

The pre-major and the pre-professional programs which begin within the Lower Division of CLA are:

- Pre-Architecture: A four-year B.A. as preparation for the B.Arch., for a total of six years. (The B.A. with a major in architecture can be completed in four years.)
- Pre-Biological Sciences: Two years
- Pre-Dentistry: Minimum two years
- Pre-Education: One or two years, depending on major
- Pre-Law: A bachelor's degree
- Pre-Library Science: A bachelor's degree
- Pre-Medicine: Minimum three years; bachelor's degree preferred
- Pre-Medical Technology: Two years
- Pre-Mortuary Science: Two years
- Pre-Nursing: One year
- Pre-Occupational Therapy: Two years
- Pre-Physical Therapy: Two years
- Pre-Pharmacy: One or two years
- Pre-Social Work: A bachelor's degree
- Pre-(major field): Two years leading to admission to the Upper Division in one of the majors listed below:

Upper Division Programs

The four year B.A. degree is offered in the following majors:

Anthropology	Geology & Geophysics	Physics
Arabic	German	Physiology
Architecture	Greek	Political Science
Art History	Hebrew	Portuguese-Spanish
Astronomy	History	Psychology
Biology	Italian	Russian
Biometry	Japanese	Scandinavian
Chemistry	Journalism & Mass Communi-	Social Welfare
Child Psychology	Latin	Sociology
Chinese	Linguistics	Spanish
Economics	Mathematics	Speech, Communication
English	Microbiology	Theatre Arts
French	Music	Statistics
Geography	Philosophy	Studio Arts

The four year B.F.A. degree is offered in the fields of Art, Music, and Theatre.

The largest departments in numbers of Upper Division majors are: Sociology, Psychology, History, English, Political Science, Journalism, and Mathematics (descending order).

College of Liberal Arts

Interdepartmental Programs Offered are:

Afro-American Studies
American Indian Studies
American Studies
Humanities
International Relations and Area Studies (Western Europe; Soviet Union and East Europe; East and South Asia; Latin America)
Pre-Social Work; program in Delinquency Control
Preparation for Theological Training
Individual indepartmental programs, "tailor-made" in terms of the special objectives and interests of particular students.

Information on the two-year Associate in Liberal Arts program is found in the CLA bulletin.

Admission Requirements

Freshman Admissions: Seniors in high school must have taken the Minnesota Scholastic Aptitude Test and the ACT Test. It is recommended that the ACT Test be taken as early as possible in the senior year. A college aptitude rating of at least 50 is required for consideration for admission. (This rating is the average of the applicant's percentile rank in his high school graduating class and his percentile among university freshmen on a college aptitude test). Applicants with a CAR of 70 or higher are practically assured of admission; those in the 50-70 range are reviewed on an individual basis using all available information. Under the University's planned growth policy, the number admitted depends on the facilities and staff available. A student with a CAR of 50-70 should not hesitate to apply; currently his likelihood of admission is good.

Applicants should complete 12 units in the last three years of high school, at least nine of them in English, social studies and history, mathematics, natural science, and foreign languages. The units should include:

- 3 units in English
- 2 or more units in mathematics (including plane geometry)
- 2 or more units in one of the other areas listed above

Well-qualified students may be admitted even though their patterns of high school subjects depart from these requirements. Students planning college programs in mathematics, business administration, or medical or other sciences, should complete as much mathematics as possible in high school. Those expecting to earn a B.A. degree are urged to begin foreign language study in high school. (See Foreign Language Placement procedure below.)

Advanced Standing Admission: See general statement in Part I.

Special Characteristics of the College of Liberal Arts

1. Freshman Placement Procedures:

-Freshman English, Mathematics, and Chemistry: Placement decisions in english, mathematics, and chemistry are made at the time of admission.

College of Liberal Arts

These classifications are for new freshmen in the College of Liberal Arts and for those freshmen in other colleges who take College of Liberal Arts courses in these areas. The classifications, developed from research on students in these courses in previous years, are determined by the students' ACT scores and high school grades.

In English a student may be placed in a remedial, non-credit English course or in the full-credit English course.

In mathematics a student can be classified into remedial, high school-level algebra (non-credit), college-level algebra, college-level trigonometry, college-level calculus.

In chemistry a student's classification either allows him to enroll in college chemistry or deems him unprepared to enroll in the chemistry course without mathematics or further college experience.

-Foreign Language Placement: One year of the foreign language study at the high school level is usually equated with five credits (one quarter) of such study in beginning CLA courses. Students should continue study of a language on this schedule. For example, the student who presents French 1 eleventh grade, and French 2 twelfth grade, would register for French 3. Some new students are not prepared to continue at a higher level because of low performance or elapsed time since high school study of language. Such students may petition to repeat one or more levels of high school language, but usually receive reduced credit for repeated work. In German, students must take a placement examination before being permitted to begin in a course other than that indicated by their high school study. Placement tests are available in most languages to help the student decide and are generally taken the week before school begins in the fall.

2. Honors Opportunities

The Honors Division of the College of Liberal Arts offers an extensive program of honors opportunities for students of outstanding ability and high motivation. These opportunities, which call on the resources of the entire University and of the community of which it is a part, are available to both Lower Division and Upper Division students. Freshmen need not apply, but are invited to participate if they meet certain criteria. It is possible, on the basis of previous outstanding college work, for transfer students to be admitted to the Honors Division on a provisional basis, and then to be formally admitted after one quarter of work at the University.

Honors students may select special honors sections of courses in many departments. Also available are discussion groups, seminars, opportunities for independent research, tutorials, and senior thesis work. Selected faculty members serve as advisers to honors students. All honors students register and conduct other college business through the Honors Division.

College of Liberal Arts

Graduation cum laude, magna cum laude, and summa cum laude is achieved by participation in the Honors Program.

3. New Graduation Requirements:

In keeping with the liberal tradition, a basic core of educational experiences is provided for and required of all students who plan to earn their degrees from the College of Liberal Arts. These requirements, called "distribution requirements", are usually completed in the Lower Division, and they must be completed before graduation from CLA. They are not required for admission, and they need not be met by students who enter CLA in preparation for transfer elsewhere. Since many students who plan initially on a pre-professional program eventually decide to get their degrees from CLA, it is to the advantage of all students to keep the distribution requirements in mind in planning their courses. Professional programs have somewhat similar requirements.

New distribution requirements have been adopted by the faculty and are effective for freshmen who are admitted for summer 1967 and thereafter, and for advanced standing students who are admitted for summer 1969 and thereafter. These new requirements include more comprehensive foreign language study and describe more specifically the work to be taken in other disciplines. Upper Division course requirements permit greater flexibility in defining the major and related work. The new program is described in the CLA Bulletin.

4. Students and Faculty:

- The student body is large, 17,074 students in the fall of 1968, with 11,990 in Lower Division and 4,630 in Upper Division (plus 454 Adult Special students). About 20 per cent of every freshman class transfers to another school within the University by the sophomore year, which helps account for the decrease in Upper Division compared to Lower Division. Males are slightly in the majority, about eight to seven.
- College of Liberal Arts students are primarily a commuting group, with approximately 75 per cent of the students coming from the five-county metropolitan area and the majority of these residing off campus. Approximately four percent of the students are non-Minnesota residents.
- It is a high-quality student body. Using composite criteria, the freshmen are in the upper fifty per cent of those who seek higher education in the state of Minnesota, with average high school percentile rank of 79, an average ACT composite score of 25, and an average MSAT percentile of 79 (fall 1968 freshmen).
- New advanced standing students (39 or more college credits) entering CLA have a median overall GPA of 2.6.
- During 1967-68 1,786 graduates received the B.A. degree from the College of Liberal Arts, 183 of them with honors. A total of 81 students earned the two-year A.L.A. degree. As of Spring 1968 two students earned the Bachelor of Fine Arts Degree.

College of Liberal Arts

- The student body is served by a faculty of 500 full-time teachers (rank of instructor or above).

5. Placement Service:

The employment outlook for the liberal arts graduate has been very good and continues to be so. Recruiters from over 200 companies representing all facts of business and industry, plus many government agencies, visit the CLA Placement Office each year to interview graduates. In addition, individual departments and professors also provide assistance.

For the 1966-67 academic year, the average salary offer from business and industry has averaged \$600 a month for non-technical majors. For those with a technical background, such as chemistry, mathematics, and physics, the average is considerably higher. Beginning salaries have been increasing at the rate of about 5 per cent per year.

Reference Material

College of Liberal Arts bulletin

Questions May Be Directed To (Lower Division) Dr. James B. Preus
Director, Lower Division Advising
214 Johnston Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-2876

(Upper Division) Dr. Mabel Powers
Director, Upper Division Advising
225 Johnston Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-5115

(Honors Division) Dr. D. Burnham Terrell
Director, Honors Division
115 Johnston Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-5116

INSTITUTE OF TECHNOLOGY

The College

The Institute of Technology at the University provides programs which prepare students for careers in science and engineering. Nearly everyone today is well aware of the role of science and engineering in expanding the frontiers of knowledge and in applying new concepts and new developments to the welfare of society.

Students enrolled in the Institute of Technology may obtain one of 16 different bachelor's degrees. Each curriculum in IT provides the student first with fundamental training in science and mathematics. The more specialized professional courses in his selected area are based on that foundation. All University students, including those in IT, share in a core of liberal education requirements. In the Upper Division (the junior and senior years), the student begins a more specific course of study; prior to the junior year, programs are flexible enough to allow students to build a solid foundation in science and mathematics and thus enable them to readily transfer from one college with minimum loss of credit and time.

Programs and their duration

1. Four-year programs (majors listed below) leading to the Bachelor's degree.
2. Bachelor of Architecture and Bachelor of Landscape Architecture curriculums, five years in length.
3. Six-year architecture and landscape architecture curriculums, offered in cooperation with the College of Liberal Arts, leading to the Bachelor of Arts and the Bachelor of Architecture degrees.
4. A combined five-year program with the College of Education which qualifies students for the Bachelor's degree in physics, chemistry, or mathematics as well as the M.Ed. degree.
5. A two-year prescribed Lower Division curriculum which leads to the Certificate in Science.

Majors offered in IT are:

Aeronautical Engineering
Agricultural Engineering
Architecture
Landscape Architecture
Chemical Engineering
Chemistry
Civil Engineering
Electrical Engineering

Geological Engineering
Mathematics
Mechanical Engineering
Metallurgical Engineering
Mineral Engineering
Physics
Geology
Geophysics

Institute of Technology

Admission Requirements

Freshman Admission: Effective Summer Session and Fall Quarter 1969, the Minnesota Mathematics Test will no longer be required of freshman applicants to the Institute of Technology. The primary factors considered in determining admissibility to the Institute of Technology are high school rank and achievement on the ACT test, particularly the mathematics score and the natural science score. Students are urged to take the ACT test as early in their senior year as possible. The Institute of Technology will consider applicants with above average high school records and strong ACT scores. Approximately equal consideration will be given to the high school record and to ACT scores; however, applicants presenting minimal achievement in both high school grades and ACT scores will normally not be accepted.

High school courses requirements for admission into IT include 12 units in grades 10-12, including:

- 3 credits in English
- 1 unit in either physics or chemistry
- 2 or more units from the following:
 - Foreign Language
 - History
 - Social Science
 - Biological Science
- 4 units of high school mathematics from grades 9-12, divided approximately into 2 years of algebra and two years of geometry of two and three dimensions, including trigonometry. The beginning course given for credit in the fall of 1968 will be Math 21A, Analysis I.

If a student lacks either a half unit in algebra or a half unit in geometry, or a half unit in both of these subjects, he can be admitted on the condition that he make up his deficiency by the end of his first quarter in residence (without IT credit). However, every effort should be made to avoid the added burden caused by mathematics deficiencies. Such deficiencies should be made up, if possible, during the summer or any other period preceding registration in IT -- through correspondence, extension, or summer school courses.

Advanced Standing Admission: Students planning to transfer to IT from a state, junior, or private college should be pursuing at these schools a lower division engineering or science program. To be considered for transfer, a student must have achieved at least a "C" average. Applicants with a GPA of 2.4 or above are usually admitted routinely. Those between 2.0 and 2.4 are individually reviewed by the Scholastic Standards Committee before a decision is made. See also the general statement in Part I.

Special Characteristics of IT

1. Students and Faculty

- The undergraduate student body in the fall of 1968 numbered about 3,450 and there were about 1,400 graduate students. In the fall of 1968 there were 774 new freshmen in IT.

Institute of Technology

- By the end of the sophomore year approximately 20% of the class has transferred to another college within the University; an additional group will have transferred out of the University to another institution or dropped out of school for various reasons.
- The median HSR for freshmen was 89; the median MSAT score, 83; and the median of the ACT composite was 27 (freshmen, fall 1968).
- In 1967-68 575 students graduated with a Bachelor's degree. Approximately 25% of these graduates pursued advanced degrees within the year.
- The student body is served by a full-time faculty staff of 430; this includes the research staff.

2. Honors Programs

- A variety of special opportunities is available to students of superior ability. These include honors courses and independent study programs through which a student may enrich his educational program and accelerate his progress. Most departments have research programs; about 10% of the undergraduates in IT are employed in these research programs on a part-time basis. In individual instances, a student may be assigned an independent project and write a thesis on his project.

3. Internship Programs

- Two curriculums in IT -- Mechanical Engineering and Agricultural Engineering -- offer Internship Programs. This program provides practical work experience in conjunction with regular courses and laboratory work through cooperation with nearby industrial concerns. During the work-study period, students are on a 12-month basis during which they alternate periods of college attendance with periods of employment in industry. While on the work assignments the students are paid at regular rates by the company. College expenses during the last two years of school can be earned while on work assignments.

4. Placement Service

- The long-range opportunities for IT graduates are excellent. The IT Placement Office last year scheduled over 6,000 individual interviews involving company representatives and undergraduate and graduate students. Over 300 companies each year come to the Institute of Technology to interest students in many kinds of positions. In 1967 the average beginning salary for an engineer with a bachelor's degree was approximately \$8,800 annually.

Reference Material (All available from the Institute of Technology)

Institute of Technology bulletin;
"Opportunities for the High Ability Student in Engineering and Science at the University of Minnesota";
"Careers in Science and Engineering"

Institute of Technology

Questions May Be Directed To

Paul A. Cartwright, Assistant Dean
Institute of Technology
135 Main Engineering
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-2972

UNIVERSITY OF MINNESOTA, DULUTH

The College

As a rapidly growing campus and as a liberal arts college of the University, the University of Minnesota, Duluth offers opportunity for many kinds of educational experiences, experiences similar to those offered by other liberal arts colleges, but with many of the advantages of a large university. Primary emphasis during its formative years was given to achieving excellence in undergraduate education. With this objective largely reached, time and effort is now focused on developing a quality graduate program. UMD's curriculum is committed to the development of critical thinking, the encouragement of broad cultural and intellectual interests, and preparation for leadership and responsibility.

Academic departments at UMD operate within four divisions: Education and Psychology, Humanities, Science and Mathematics, and Social Sciences. The Air Force Reserve Officers Training Corps is an independent department. UMD students can choose from 53 majors in 34 academic areas and 17 pre-professional programs.

UMD is fully accredited by the North Central Association of Colleges and Secondary Schools. Standards of staffing comparable to those elsewhere in the University make possible the offering of similar though not necessarily identical courses. Diplomas are identical to those granted at the Twin Cities Campus.

The Duluth Campus, approximately 150 miles from the Twin Cities, consists of several tracts in Duluth's eastern section and in outlying areas. The two largest tracts are the 200-acre upper campus and the ten-acre lower campus. Of special interest are the ROTC facilities, the Communications Center, the Education Building, Humanities Building, Home Economics Building, Industrial Building, Kirby Student Center, and the Library. The Library contains book and periodical collections of over 10,700 volumes and has several reading rooms.

Programs and their duration

1. A four-year liberal arts curriculum, leading to the Bachelor of Arts (B.A.) degree.
2. A four-year program for prospective elementary and secondary school teachers, leading to the Bachelor of Science (B.S.) degree.
3. A two-year terminal program leading to the Associate in Arts (A.A.) degree.
4. Pre-professional training of one or more years' duration.

University of Minnesota, Duluth

Majors: The bachelor's degree is offered in the following areas:

Accounting	Biology	Business Administration
Art	Botany	Business Education
Chemistry	German	Political Science
Earth Science	History	Psychology
Economics	Home Economics	Social Science
Elementary Education	Industrial Education	Sociology
English	Mathematics	Spanish
French	Music	Speech
General Science	Philosophy	Speech Correction
Geography	Physical Education	Zoology
Geology	Physics	

Pre-Professional Programs designed to meet the requirements of professional schools are available in the following fields:

Pre-Agriculture	Pre-Medical Technology
Pre-Agricultural Education	Pre-Nursing
Pre-Dentistry	Pre-Occupational Therapy
Pre-Engineering	Pre-Pharmacy
Pre-Fishery and Wildlife Management	Pre-Physical Therapy
Pre-Forestry	Pre-Social Work
Pre-Journalism	Pre-Theology
Pre-Law	Pre-Veterinary Medicine
Pre-Medicine	

The two-year A.A. program consists of 90 credits of liberal education as described in the bulletin. (The Business Administration Department has suggested a plan of courses within this degree program.)

Admissions Requirements

Freshman Admission: Applicants for B.S. or B.A. degree programs or pre-professional programs must have a College Aptitude Rating of at least 40 (average of HSR %ile and MSAT %ile). Non-resident applicants must have a CAR of at least 50. Although no special grouping of high school courses is required, it would be helpful to entering students to have taken a relatively strong college preparatory program in high school. Students from the commuting area who do not meet the CAR requirement will be allowed to apply on a selective basis for admission to the two-year program.

The minimum requirement for admission to the two-year terminal program leading to the Associate in Arts degree is a high school diploma or its equivalent. A student admitted to the two-year program takes the same courses as other students and may apply for transfer to a four-year or pre-professional program if he has a cumulative average of C and if he has a C average during each of the two quarters preceding the requested change.

University of Minnesota, Duluth

The engineering program at the Duluth Campus admits any high school graduate with a CAR of at least 40 who ranks in the upper half of his high school class and who meets the following minimum requirements:

1. 12 units completed in grades 10-12, including 3 units of English
2. 4 years of high school mathematics, divided approximately into 2 years of algebra and 2 years of geometry (two and three dimensions, plus trigonometry)
3. 1 year of physics or chemistry, preferably physics. It is strongly recommended that a student have a year's work in both physics and chemistry.

Advanced Standing Admission: If a resident applicant has maintained a GPA of 2.0 or better in all previous college work, he may be admitted unconditionally. Non-residents of Minnesota must have a GPA of 2.6 to be admitted unconditionally. A student whose GPA reflects a deficiency of ten or less grade points from a 2.0 may be admitted provisionally. The applicant with more than a ten point deficiency will be denied admission. See also the general statement in Part I.

The overall junior college GPA for transfer students in the fall of 1966 was 2.50. A similar group of students who transferred to UMD from junior colleges in fall quarter of 1965 earned a first-year GPA at UMD of 2.30.

Special Characteristics of UMD

1. Students and Faculty

- In fall 1968 the undergraduate student body numbered 4,898; of this number 1421 were new freshmen and 294 were new advanced standing students.
- The median high school rank of Duluth's freshmen (fall 1968) was 70; the median MSAT was 58; and the median ACT composite score was 23.
- During 1967-68 six Associate in Arts degrees, 241 Bachelor of Arts degrees, and 358 Bachelor of Science degrees were conferred upon UMD graduating students.
- The faculty serving UMD students numbers 250 (of which 40% hold doctorate degrees).

2. Placement Services

- The Placement Office is one of the many student services at UMD, established for the purpose of assisting graduates of all departments in obtaining career positions. During the past few years the Placement Office has had nearly 100% placement for four-year graduates. Over 150 industries, 250 schools, and 50 government agencies visit the Placement Office annually to interview graduating seniors.

University of Minnesota, Duluth

Reference Material

The University of Minnesota, Duluth bulletin

Questions May Be Directed To

Admissions Coordinator
University of Minnesota, Duluth
114 Library Building
Duluth, Minnesota 55812

UNIVERSITY OF MINNESOTA, MORRIS

The College

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

The faculty, students, and administration are currently engaged in several programs to further individualize and enhance the learning experiences at UMM. Examples of these efforts are: a four-year seminar-honors program available to all students; the introduction of tutorial programs; and the availability of independent research under the guidance of University faculty for seniors in each academic major in the curriculum. All of these efforts are consistent with the aim of UMM to offer a student personally meaningful educational experiences.

The 35-acre Morris Campus, located about 150 miles west of the Twin Cities, contains 14 buildings already in use, including a just completed science facility and dormitory. A new library is under construction, and the rapidly developing building program includes plans for a new food service center, a physical education complex, and an additional dormitory.

Programs and their duration

1. A four-year curriculum leading to the Bachelor of Arts (B.A.) degree.
2. A four-year curriculum combining liberal arts and teacher preparation leading to a B.A. degree and certification as an elementary or secondary teacher.
3. Pre-professional training of one to four years' duration, specifically aimed at meeting the liberal arts requirements of the professional schools of the University of Minnesota or other institutions.

Majors are offered in the following areas:

Art	German	Political Science
Biology	History	Psychology
Chemistry	Mathematics	Sociology
Economics	Music	Spanish
Elementary Education	Philosophy	Speech & Theatre Arts
English	Physical Education	
French	Physics	

University of Minnesota, Morris

Preprofessional programs designed to meet the requirements of professional schools are available in the following fields:

Pre-Agricultural Business Administration
Pre-Agricultural Education
Pre-Agricultural Science and Industries
Pre-Architecture
Pre-Business Administration
Pre-Dentistry
Pre-Engineering
Pre-Fisheries and Wildlife
Pre-Food Science and Industries
Pre-Forestry
Pre-Home Economics

Pre-Journalism
Pre-Law
Pre-Medical Technology
Pre-Medicine
Pre-Nursing
Pre-Occupational Therapy
Pre-Pharmacy
Pre-Social Work
Pre-Veterinary Medicine

Admission Requirements

Freshman Admission: High school graduates with a College Aptitude Rating of 50 or more (average HSR %ile and MSAT %ile) will be considered for admission. Within this requirement, applicants with a CAR which just exceeds the minimum will be individually reviewed by the Board of Admissions, using a multiple set of criteria which includes a weighted prediction of college grade point average, based on the ACT, the CAR, the high school rank, relevant test information, the distribution of high school courses, and the recommendations of high school officers. Although no special grouping of high school courses is required, it would be helpful to entering students to have taken a strong college preparatory program in high school.

Advanced Standing Admission: See the general statement in Part I.

Special Characteristics of UMM

1. Students and Faculty

- The student body numbers 1,264, including 485 new freshmen (fall 1968). Widespread distribution of students' home towns throughout the state demonstrates that UMM cannot be described as a local or community college. Students come from 83% of the counties and represent 259 different Minnesota high schools, as well as 26 in other states and two foreign countries. Sixty-two percent come from beyond a 35-mile radius, and 82% of the entire student body live in campus residence halls or in rented rooms in Morris.
- Distribution of high school rank for the fall 1968 entering freshmen shows that 95% graduated in the upper half of their high school classes, 67% in the top quarter, and 32% in the top tenth. The median high school rank was 84; the median MSAT was 75; and the median ACT composite score was 25.

University of Minnesota, Morris

- During the 1967-68 academic year, 178 UMM students graduated with a B.A. degree.
- The faculty serving the students at Morris numbers 82 of which 40% hold doctorate degrees.

2. Counseling and Placement

- At UMM, great emphasis is placed on a well-developed student personnel program, including advisement, counseling, placement, and individualized instruction with frequent out-of-class contacts between students and faculty in an informal atmosphere. The primary aim of the UMM student personnel program is to assist each individual to reach his maximum social, educational, and vocational potential.

Reference Material

University of Minnesota, Morris bulletin

Questions May Be Directed To

Robert Vikander, Director of Admissions
University of Minnesota, Morris
Morris, Minnesota 56267
Telephone (Morris) 589-2211

TECHNICAL INSTITUTE, CROOKSTON

The College

The University of Minnesota Technical Institute is designed to produce semi-professionally trained individuals with interests in Business, Agriculture, and Food Service Management or a combination of these programs. The two-year professional programs are based on a general education core, with offerings in the fields of Communications, Science, Mathematics, Social Science, Psychology, Health, and Physical Education.

Credits earned at the Technical Institute in courses offered by the Division of General Education will transfer to undergraduate programs in other colleges of the University in the usual manner. Courses in the professional areas may apply to bachelor's degree programs elsewhere, depending upon the nature of the program chosen and the individual needs of the student. Transfer consideration will be on an individual basis.

Programs and their duration

Two-year terminal programs leading to the degrees of Associate in Business, Associate in Agriculture, or Associate in Food Service Management.

Majors

Agricultural Business Administration
Agricultural Engineering Technology
Agricultural Production
Agricultural Technology

Accounting
Executive Secretarial
Marketing Management
Small Business Management

Food Service Management

Admission Requirements

The Technical Institute will accept applications from students who are high school graduates or who have had previous college-level work. If a student has finished one year or more of work at an accredited college or university he may, if admitted, enter with advanced standing -- that is, with credit for courses satisfactorily completed.

Technical Institute, Crookston

Special Characteristics of the Technical Institute, Crookston

1. Students and Faculty

- The first class of 187 was admitted in the fall of 1966. Fall Quarter enrollment in 1968 was 370.
- The size of the faculty in 1967-68 was 34; this gives a student-faculty ratio of 11 to 1 (when considering only those faculty actually teaching any one term).

2. Counseling and Placement

- Emphasis at the University of Minnesota Technical Institute is placed on a varied and well rounded program designed to provide professional training on a two-year terminal basis. Students graduating from the University of Minnesota Technical Institute will have had the advantage of close personal contact with various faculty and student personnel offices in such areas as personal counseling and guidance, curriculum advisement and permanent job placement.

Reference Material

University of Minnesota Technical Institute, Crookston bulletin

Questions May Be Directed To

Office of Admissions and Financial Aid
University of Minnesota Technical Institute
Crookston, Minnesota 56716
Telephone (Crookston) 281-6510, Ext. 242

OTHER DAY SCHOOL PROGRAMS WHICH ADMIT FRESHMEN

Dental Hygiene - This two-year program, beginning only fall quarter, leads to the degree of Graduate Dental Hygienist (GDH). Applicants must rank in top 25% of high school class and present one year of high school chemistry. Application must be received by June 15. (Dental Assisting is listed under General College.)

Mortuary Science - Until 1968 freshmen were admitted to this program; however, now the first two years of this four-year program are spent in CLA or General College, and new freshmen must meet the admission requirements of one of those two colleges. See "Programs Which Require Previous College Work" below.

PROGRAMS WHICH REQUIRE PREVIOUS COLLEGE WORK

Some University curriculums require that students complete a pre-professional program prior to admission. This previous college work may be taken at the University or at another accredited private or state college. In most cases the pre-professional program is a prescribed one, and students must follow the program outlined in the appropriate bulletin.

Transfer within the University is an integral part of some educational programs, such as those which require a year or more of study in CLA before admission to the professional school. Transfer from another institution is also very common and can be effected with minimum or no loss of credit if the student is careful to present courses which are like those he would have taken if enrolled at the University.

Following is a list of the day-school programs at the University which do require preparatory work, the amount of such preparatory work, and the number of additional years needed to obtain the degree. Where CLA, AFHE, Etc. are listed, it should be noted that the appropriate preparatory work may often be obtained at another institution.

Biological Sciences: prerequisite 2 years in CLA, IT, AFHE, Duluth, or Morris; 2 additional years for B.S.

Business Administration: prerequisite 2 years in CLA, AFHE, IT, Duluth, or Morris; 2 additional years for B.S.B.

Dentistry: prerequisite minimum of 2 years in CLA, Duluth, or Morris; 4 additional years for D.D.S.

Education: preprofessional work varies, depending on the field -- either one or two years in CLA, Duluth, Morris, or AFHE; a total of four years to obtain the B.S.

Graduate School: students with bachelor's degrees from approved schools may apply for admission for graduate work leading to the Master's and Ph.D. degrees, as well as to the Specialist in Education certificate.

Law: Prerequisite B.A. or equivalent degree; 3 additional years for J.D. degree.

Library School: prerequisite any bachelor's degree (undergraduate preparatory courses available in CLA); 1 additional calendar year for M.A.

Medical: prerequisite at least 3 years in CLA, Duluth, or Morris; 4 additional years for M.D.

Medical Technology: prerequisite 2 years in CLA, Duluth, or Morris; 2 additional years for B.S.

Mortuary Science: prerequisite 2 years in CLA or General College; 2 additional years for B.S. (Provisions are made for students who wish to complete only the course work necessary for state certification and not obtain the bachelor's degree.)

(Programs Which Require Previous College Work)

- Nursing: prerequisite 1 year in CLA, Duluth, or Morris; 3 additional years and 1 summer for B.S.
- Occupational Therapy: prerequisite 2 years in CLA, Duluth, or Morris; 2 additional years and 1 summer for B.S.
- Physical Therapy: prerequisite 2 years in CLA, Duluth, or Morris; 2 additional years for B.S.
- Pharmacy: prerequisite 1 year in CLA, Duluth, or Morris; 4 additional years for B.S. (A 2-year pre-pharmacy program may be arranged, followed by 3 years in the School of Pharmacy.)
- Public Health: prerequisite appropriate bachelor's degree; requirements vary with program.
- Social Work: prerequisite bachelor's degree in pre-social work in CLA; 2 additional years for M.S.W.
- University College: usually 2 years of college work are required prior to admission to the University College, which has been designed to provide flexibility for students with unique objectives and who do not find curriculums in any of the other colleges suited to their needs. The program leads to a B.A. or a B.S., depending on the college in which the student takes most of his work.
- Veterinary Medicine: prerequisite at least 2 years in AFHE, Duluth, or Morris; 4 additional years for D.V.M.

EVENING CLASSES AND INDEPENDENT STUDY COURSES

The General Extension Division offers college-credit courses through evening school and correspondence study to anyone able to handle college-level work, including capable high school students. Some courses require specific prerequisites which must be completed. These courses may be used to meet many degree requirements. In addition, more than 40 high school courses are offered through independent study (formerly called correspondence study) and can be used to meet admission requirements to degree programs.

For further information contact:

General Extension Division
Counseling Office
153 Nicholson Hall
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-3905
or
Duluth Evening Classes
106 Laboratory School
University of Minnesota, Duluth
Duluth, Minnesota 55812
Telephone (Duluth) 724-8801, Ext. 558

APPENDIX

1. MAP AND ATTENDANCE FIGURES
2. MISCELLANEOUS INFORMATION ABOUT THE UNIVERSITY
 - Attendance Figures and Characteristics
 - Faculty
 - Automobiles and Parking
 - Class Sizes
3. CHART, SHOWING LENGTHS OF PROGRAMS IN VARIOUS COLLEGES AND PROFESSIONAL SCHOOLS
4. FEES, 1969-70
5. PROFILE OF 1968 FRESHMAN CLASS
6. SAMPLE FRESHMAN PROGRAMS
7. OFFICIAL UNIVERSITY BULLETINS
8. LIST OF UNDERGRADUATE MAJORS AND PROFESSIONAL PROGRAMS

MISCELLANEOUS INFORMATION

THE FOUR CAMPUSES: THEIR ATTENDANCE



Fall, 1968 Attendance	
Twin Cities Campus	41,001
Duluth	4,898
Morris	1,264
Crookston	371
Total	<hr/> 47,534

MISCELLANEOUS INFORMATION ABOUT THE UNIVERSITY

University Attendance

Total attendance -- all campuses -- for Fall Quarter 1968 was 47,534, of which approximately 65 per cent were men.

The College of Liberal Arts has by far the largest attendance, over 16,186 in the fall of 1968.

Students were distributed among some University colleges in the fall of 1968 as follows:

	<u>New freshmen</u>	<u>Total</u>
General College	1038	3403
College of Liberal Arts	4322	17074
Institute of Technology	699	3404
College of Agriculture, Forestry, and Home Economics	477	2564
College of Education	43	2867
Duluth Campus	1421	4898
Morris Campus	436	1264
Crookston	210	371

Of last year's freshmen, numbering 8,665, approximately 301 were nonresidents of Minnesota.

Usually nearly 2/3 of the students on the Twin Cities Campus are from the 5-county metropolitan area.

The percentage of students enrolled on the Twin Cities Campus who commute from their own homes or the homes of relatives has been approximately 50 per cent in recent years.

University Faculty: Student-Faculty Ratios

The number of full-time academic staff (rank of instructor and above) in 1967-68 totaled about 2,800. Of this number about 2/3 held the Ph.D. degree or another doctorate.

Students-faculty ratios are about 20 to 1 for undergraduate programs and 10 to 1 for graduate programs.

Automobiles and Parking

Most students park their cars in regular open lots near the campus for a cost of 35 cents per day, or use other off-street parking; there is no free parking (except on streets many blocks from campus). Because so few parking spaces are available, students are encouraged to join car pools or use bus facilities. For those who park on the West Bank of the Minneapolis Campus, there is free bus service between the East and West Banks. Parking is also available on the Fairgrounds near the St. Paul Campus, with free bus service to the Minneapolis Campus.

Class Sizes

The following courses illustrate the range of size of enrollment in typical freshman classes:

Anthropology: lectures for 500 students; recitation sections for 40 or less.

Art, Introduction to: lecture for 500 students.

Biology, General: lectures on closed-circuit television in rooms accomodating up to 100 students (three days a week); NOTE: Fall Quarter '68 most television classes for general biology were in classes of 70 maximum; laboratory and recitation sections of about 30 students (two days a week).

Freshman English, or Rhetoric: classes limited to 28 students.

Chemistry, General: lectures for about 250 students; laboratory and recitation sections of about 25 or 30 students per teaching assistant.

History: lectures for 80 to 515 (two days a week); recitation sections limited to 25 or 35 students (one day a week).

Humanities: lectures for 65 students or less.

Language, Beginning Foreign: French and Spanish -- classes of about 30 students (five days a week, two days of which are on closed-circuit television) German -- lecture course for about 60 students (three days a week) on closed-circuit television. Russian classes average 25 to 50 students. All other foreign-language classes usually average 25 or fewer students.

Mathematics: mostly small classes of about 30 students and some large classes of 200 to 250 students.

Personal Orientation (How to Study): limited to 30 students.

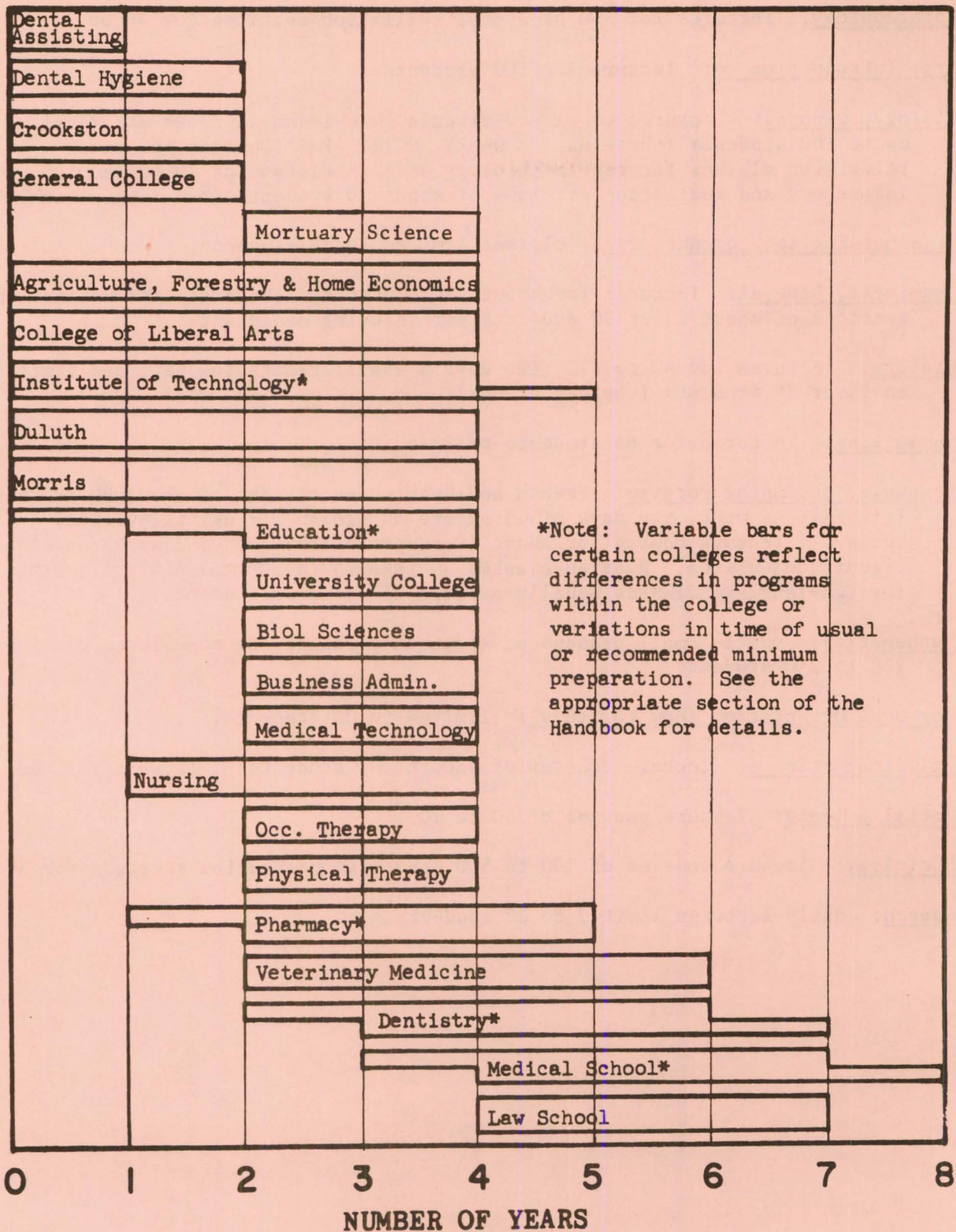
Political Science: lecture courses of 150 to 300 students; 1 lecture for 450.

Social Science: lecture courses of 50 to 70

Sociology: lecture courses of 200 to 500 students; recitation sections for 30

Speech: daily lectures limited to 22 students.

LENGTHS OF PROGRAMS IN VARIOUS UNIVERSITY OF MINNESOTA COLLEGES AND PROFESSIONAL SCHOOLS



*Note: Variable bars for certain colleges reflect differences in programs within the college or variations in time of usual or recommended minimum preparation. See the appropriate section of the Handbook for details.

FEES, 1969-70

TUITION FEE

School or College	QUARTER FEE		CREDIT HOUR FEE	
	Resident	Non-resident	Resident	Non-resident
Agriculture, Forestry, Home Economics; Biological Sciences; Dental Hygiene; Duluth; Education; General College; Liberal Arts; Nursing; Morris; Technical Institute, Crookston.....	\$ 133	\$ 380	\$ 11.25	\$ 31.75
Business Administration; Medical Technology; Pharmacy; Physical and Occupational Therapy; Public Health (except Hospital Administration).....	141	380	11.75	31.75
Dentistry, Medicine, and Graduate Work; Hospital Administration.....	228	516	19.00	43.00
Graduate School, more than 6 credits.....	150	380	No credit hour fee provided	
-6 credits or less, or thesis only.....	75	190		
-Ph.D. candidates, 6 credits or less or to meet continuous registration requirement.....	30	30		
Law School and Graduate Work; Mortuary Science.....	160	380	13.50	31.75
Technology, Institute of				
Lower Division.....	133	380	11.25	31.75
Upper Division.....	141	380	11.75	31.75
University College.....	Tuition of college in which work is taken			
Veterinary Medicine and Graduate Work.....	208	516	17.50	43.00
Evening Classes.....	No quarter fee		13.00	13.00
Independent Study Courses.....	No quarter fee		15.00	15.00
Summer Session.....	Summer Session fees are \$59.00 for 4 cr. or less, \$72.00 for more than 4 cr.			

INCIDENTAL FEE

Institute of Technology	\$ 37.85 per quarter
All Other Colleges, Twin Cities Campus	37.00 per quarter
Duluth	30.00 per quarter
Morris	33.00 per quarter
University of Minnesota Technical Institute, Crookston	22.00 per quarter

APPLICATION FEE

A non-refundable application fee of \$10 is required of all applicants for admission to the University.

PROFILE OF THE 1968 FRESHMAN CLASS

	<u>NUMBER OF STUDENTS</u>	<u>HSR MEDIAN</u>	<u>MSAT MEDIAN</u>	<u>ACT (Comp) MEDIAN</u>	<u>FRESHMAN GPA MEAN, 1967-68</u>
AFHE	477	75	61	23	2.14
DENT HYG	19	84	78	24	2.34
DULUTH	1421	70	58	22	1.94
EDUC	43	79	60	22	2.21
GEN COLL	1038	34	29	17	2.10
IT	699	89	83	27	2.25
CLA	4322	79	79	24	2.20
MORRIS	436	84	75	24	2.37
CROOKSTON	210	39	24	17	-

SAMPLE FRESHMAN PROGRAMS

These sample programs are intended as illustrations of possible freshman course choices, not as required programs. In some colleges and majors, students follow the sample program quite closely. In others, few students will take the program listed since a wide range of courses will meet requirements. For specific college requirements, consult the bulletin of that college.

COLLEGE OF AGRICULTURE, FORESTRY AND HOME ECONOMICS

Freshman Year - Agriculture

<u>Fall</u>	<u>Cr.</u>	<u>Wtr.</u>	<u>Cr.</u>	<u>Spr.</u>	<u>Cr.</u>
English, Comm.	3	English, Comm.	3	English, Comm.	3
College Algebra	5	Gen. Chem.	5	Gen. Chem.	5
Ag. Economics	3	Ag. Economics	3	Humanities	3
Soc. or An. Sci.	<u>3-5</u>	Agronomy	<u>3</u>	Geo. or Anth.	<u>5</u>
	14-16		14		16

Freshman Year - Forestry

<u>Fall</u>	<u>Cr.</u>	<u>Wtr.</u>	<u>Cr.</u>	<u>Spr.</u>	<u>Cr.</u>
English, Comm.	3	English, Comm.	3	English, Comm.	3
College Algebra	5	Gen. Chem.	5	Gen. Chem.	5
Geology	5	Biology	5	Biology	5
Sociology	3	Ag. Economics	<u>3</u>	Ag. Economics	<u>3</u>
Forestry	<u>1</u>		16		16
	17				

Freshman Year - Home Economics

<u>Fall</u>	<u>Cr.</u>	<u>Wtr.</u>	<u>Cr.</u>	<u>Spr.</u>	<u>Cr.</u>
English, Comm.	3	English, Comm.	3	English, Comm.	3
Math 10*	5	GeCh 4*	5	GeCh 5*	5
Soc. or Hum.	3	Ag. Economics	3	Ag. Economics	3
Home Econ.	<u>3-6</u>	Home Econ.	<u>3-6</u>	Home Econ.	<u>3-6</u>
	14-17		14-17		14-17

COLLEGE OF LIBERAL ARTS, UMD, UMM

Freshman Year

<u>Fall</u>	<u>Cr.</u>	<u>Wtr.</u>	<u>Cr.</u>	<u>Spr.</u>	<u>Cr.</u>
English	3	English	3	English	3
Social Sci.	3	Geology	5	Geology	4
History	3	w/Lab		w/Lab	
Foreign Lang.	<u>5</u>	Soc., Intro.	3	Speech	5
	14	Foreign Lang.	<u>5</u>	Foreign Lang.	<u>3</u>
			16		15

* For some majors natural science courses (15 credits) may be substituted.

COLLEGE OF LIBERAL ARTS, UMD, UMM (Continued)

Freshman year program for professional school preparation with major in pre-medicine

<u>Fall</u>	<u>Cr.</u>	<u>Wtr.</u>	<u>Cr.</u>	<u>Spr.</u>	<u>Cr.</u>
English	3	English	3	English	3
Gen. Chem.	5	Gen. Chem.	5	Gen. Chem.	4
College Algebra	5	Gen. Biology	5	Gen. Biology	5
History	3	History	3	Humanities	3
	<u>16</u>		<u>16</u>		<u>15</u>

INSTITUTE OF TECHNOLOGY

Freshman Year (except Chemistry, Chemical Engineering, and Architecture students)

<u>Fall</u>	<u>Cr.</u>	<u>Wtr.</u>	<u>Cr.</u>	<u>Spr.</u>	<u>Cr.</u>
English	3	English	3	English	3
Math	5	Math	5	Math	5
Eng. Graphics	4	Physics	5	Physics	4
Elective	3	Elective	3	Physics Lab	1
	<u>15</u>		<u>16</u>	Elective	3
					<u>16</u>

GENERAL COLLEGE*

Freshman Year

<u>Fall</u>	<u>Cr.</u>	<u>Wtr.</u>	<u>Cr.</u>	<u>Spr.</u>	<u>Cr.</u>
Writing Lab: Personal Writing	3	Writing Lab: Organizing Ideas	3	Writing Lab: Comm. in	3
Man in Society Pers. Role	5	Man in Society Organiz. Role	5	Fields of Appl. Psychology	5
General Arts	3	Lit. of the Thea.	4	Man's Rel. Bel.	3
Princ. of Biol.	5	Film, Drama		App. Math	3
Phys. Educ.	1	Sci. in Context:	5	Phys. Educ.	1
	<u>17</u>	Man, Enviro.	17		<u>17</u>

*General College has a free choice of curriculum, which means that a student works out the course of study best suited to his individual needs as he and his faculty adviser define those needs.

UNIVERSITY OF MINNESOTA OFFICIAL BULLETINS

University of Minnesota bulletins are published biennially, except for the General Information Bulletin which is issued annually. The General Information Bulletin contains information essential to any prospective student. The other bulletins contain academic information, degree requirements, course descriptions, special opportunities, all specific to the college or program, as well as some general information.

All bulletins, except the ones for Duluth, Morris, and Crookston, may be obtained by contacting:

Office of Admissions and Records
University of Minnesota
Minneapolis, Minnesota 55455
Telephone 373-2011

The Duluth, Morris, and Crookston bulletins may be obtained by writing to the Office of Admissions and Records on the appropriate campus.

Here are the bulletins which are available upon request:

General Information
Agriculture
Army-Navy-Air Force ROTC
Biological Sciences
Business Administration
Dentistry (includes Dental Hygiene and Dental Assisting)
College of Education
Forestry
General Extension Division
 Evening Classes
 Independent Study (formerly Correspondence Study)
General College
Graduate School
Home Economics
Journalism
Law School
College of Liberal Arts
Library School
Medical School
Medical Technology
Mortuary Science
Nursing
Occupational and Physical Therapy
Pharmacy
Public Health
Hospital Administration
Social Work
Summer Session
Institute of Technology
University College
Veterinary Medicine

University of Minnesota, Duluth
University of Minnesota, Morris
Technical Institute, Crookston

UNIVERSITY OF MINNESOTA
 UNDERGRADUATE MAJORS AND PROFESSIONAL PROGRAMS
 AND COLLEGES WHERE OFFERED

The following list of majors can be used as a reference guide to obtain further information, either in this Handbook or in the official University bulletin. Each of the colleges indicated publishes a bulletin with details on these specific majors.

It should be noted that the initial parts of many bachelor's degree programs may be taken on several campuses; also that though the titles of some two-year programs are identical to the titles of some bachelor's degree programs, the content of the programs would be quite different.

This list does not include specializations such as those in library science, public administration and many others, available at the master's or Ph.D. level, offered through the Graduate School.

- Key: AFHE - College of Agriculture, Forestry and Home Economics
 CBS - College of Biological Sciences
 SBA - School of Business Administration
 Ed - College of Education
 GC - General College
 CLA - College of Liberal Arts
 IT - Institute of Technology
 UMD - University of Minnesota, Duluth
 UMM - University of Minnesota, Morris
 UMC - University of Minnesota Technical Institute, Crookston

A. Accounting.....	SBA, UMD, UMC
Advertising - see Journalism	
Aeronautical Engineering.....	IT
Afro-American Studies.....	CLA
Agricultural Business Administration.....	AFHE (Ag), SBA, UMC
Agricultural Economics.....	AFHE (Ag)
Agricultural Education.....	AFHE (Ag), Ed
Agricultural Engineering.....	IT
Agricultural Engineering Technology.....	UMC
Agricultural Journalism	AFHE, (Ag), CLA
Agricultural Production	UMC
Agricultural Technology.....	UMC
American Studies	CLA
American Indian Studies.....	CLA
Animal Science.....	AFHE (Ag)
Anthropology	CLA
Arabic.....	CLA
Architecture.....	CLA, IT
Area Studies (Western Europe, Soviet Union and East Europe; East & South Asia; Latin America)	CLA
Art (see also Studio Arts.....)	UMD, UMM
Art Education	Ed
Art History.....	CLA
Astronomy.....	CLA

(List of Majors)

B.	Bengali.....	CLA
	Biochemistry	CBS
	Biological Science	Ed
	Biology	CBS, CLA, UMD, UMM
	Biometry	CLA
	Botany	CBS, UMD
	Business, General	GC
	Business Administration	SBA, UMD
	Business Education	Ed, UMD
C.	Chemical Engineering	IT
	Chemistry	Ed, CLA, IT, UMD,
	Child Psychology	CLA UMM
	Chinese	CLA
	Civil Engineering	IT
	Costume Design and Fashion	AFHE (HE)
D.	Decorative Arts	AFHE (HE)
	Dental Assisting	GC, Sch. of Dent.
	Dental Hygiene	Sch. of Dent.
	Dentistry	Sch. of Dent.
	Dietetics	AFHE (HE)
	Distributive Education	Ed
E.	Earth Science (see also Geology)	Ed, UMD
	Economics	Ed, CLA, UMD, UMM
	Electrical Engineering	IT
	Electronics	GC
	Elementary Education	Ed, UMD, UMM
	English	Ed, CLA, UMD, UMM
	Entomology	AFHE (Ag)
	Executive Secretarial	UMC
F.	Family Economics	AFHE (HE)
	Family Relationships	AFHE (HE)
	Fisheries	AFHE (Ag)
	Food Science and Industries	AFHE (Ag)
	Food Service Administration	AFHE (HE)
	Food Service Management	UMC
	Foods (Several Specializations)	AFHE (HE)
	Forest Products Engineering	AFHE (For.)
	Forest Products Marketing	AFHE (For.)
	Forest Resources Development	AFHE (For.)
	Forest Science	AFHE (For.)
	French	Ed, CLA, UMD, UMM

(List of Majors)

G.	General Science	UMD
	Geography	Ed, CLA, UMD
	Geological Engineering	IT
	Geology (see also Earth Science)	IT, UMD
	Geology and Geophysics	CLA
	Geophysics	IT
	German	Ed, CLA, UMD, UMM
	Greek	CLA
H.	Hebrew	CLA
	Hindu	CLA
	History	Ed, CLA, UMD, UMM
	Home Economics	AFHE (HE), UMD
	Home Economics Education	AFHE (HE), CLA
	Home Economics Journalism	AFHE (HE), CLA
	Horticulture, Ornamental	GC
	Household Equipment	AFHE (HE)
	Humanities	CLA
I.	Industrial Education	Ed, UMD
	Industrial Engineering (See Mechanical Engineering)	
	Interior Design	AFHE (HE)
	International Relations	CLA
	Italian	CLA
J.	Japanese	CLA
	Journalism	CLA
L.	Landscape Architecture	IT
	Landscape Design & Environmental Planning	AFHE (AG)
	Language Arts	Ed
	Latin	Ed, CLA
	Law	Law School
	Law Enforcement	GC, CLA
	Legal Secretarial Training	GC
	Linguistics	CLA
M.	Marketing	GC
	Marketing Management	UMC
	Mathematics	Ed, CLA, IT, UMD, UMM
	Mechanical Engineering	IT
	Mechanized Agriculture	AFHE (AG)
	Medical Secretarial Training	GC
	Medical Technology	Div. of Med. Tech.
	Medicine	Med. Sch.
	Metallurgical Engineering	IT
	Microbiology	CBS, CLA
	Mineral Engineering	IT
	Mortuary Science	Dept. of Mort.Sci.
	Music	CLA, UMD, UMM
	Music Education	Ed

(List of Majors)

N. Nursing	Sch. of Nursing
Nutrition Science	AFHE (HE)
O. Occupational Therapy	Occ. Ther.
Ornamental Horticulture	GC
P. Pharmacy	Sch. of Pharm.
Philosophy	CLA, UMD, UMM
Physical Education	Ed, UMD, UMM
Physical Therapy	Phys. Ther.
Physics	Ed, CLA, IT, UMD,
Physiology	CLA UMM
Plant and Animal Protection	AFHE (Ag)
Plant and Soil Science	AFHE (Ag)
Political Science	Ed, CLA, UMD, UMM
Portuguese	CLA
Preparation for Theological Training	CLA
Pre-Professional Programs (see specific college section such as CLA, UMD, UMM and section on page 58)	
Psychology.....	CLA, UMD, UMM
R. Recreation Activity Leadership.....	GC
Recreation Leadership	Ed
Recreation Resource Management	AFHE (Ag, For.)
Resource and Community Development	AFHE (Ag)
Russian	Ed, CLA
S. Sanskrit	CLA
Scandinavian	CLA
Small Business Management	UMC
Social Science	UMD
Social Welfare	CLA
Sociology	Ed, CLA, UMD, UMM
Soil and Water Resource Management	AFHE (Ag)
Spanish	Ed, CLA, UMD, UMM
Speech	UMD
Speech and Theatre Arts	UMM
Speech, Communication and Theatre Arts	Ed, CLA
Speech Correction	UMD
Speech Pathology	Ed
Statistics	CLA
Studio Arts	CLA
T. Textiles and Clothing (Several Specializations)	AFHE (HE)
Theatre	CLA

(List of Majors)

- V. Veterinary Medicine Coll. of Vet. Med.
W. Wildlife AFHE (Ag)
Z. Zoology CBS, UMD

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