

University of Minnesota

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1437
Bulletin

MAY 28, 1971

general information

STUDENT SERVICES FEE

Institute of Technology	\$42.85*
All Other Colleges, Twin Cities Campus	42.00*
Duluth Campus	38.00*
Morris Campus	38.00*
Crookston Campus	27.00
Waseca Campus	30.00

MINNESOTA PUBLIC INTEREST RESEARCH GROUP (MPIRG)

One dollar per quarter refundable fee will be assessed each student required to pay the Student Services Fee. (Twin Cities Campus)

LABORATORY FEES

The Regents have approved a laboratory fee of \$4 per laboratory course, per quarter, effective Fall Quarter, 1971.

ESTIMATED EXPENSES

To the estimated expenses shown on page 60 of the *General Information Bulletin*, approximately \$100 should be added to the totals for residents and \$200 for non-residents, owing to the increase in tuition.

FOREIGN STUDENT HEALTH FEE

Required of all noncitizens

	\$5.00
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FOREIGN STUDENT AID

Foreign students are required to pay \$2 per quarter to establish a fund for educational assistance.

SPECIAL FEES

Additional fees are charged for special services as follows:

<p>Credit by Special Examination . . \$ 20.00 Such an examination may be taken only upon approval of the appropriate committee. (If it is taken during the first quarter after entering or re-entering the University after a year's absence, no fee)</p> <p>Credentia Examination Fee Undergraduate</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$10.00</td> </tr> <tr> <td>Graduate School</td> <td style="text-align: right;">\$15.00</td> </tr> </table> <p>Dentistry Examination Fee .. \$26.00 For examination to determine advanced standing in Dentistry</p> <p>Deposits Art</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$ 5.00</td> </tr> <tr> <td>Biochemistry (Ag)</td> <td style="text-align: right;">\$ 5.00</td> </tr> <tr> <td>Biochemistry (Med)</td> <td style="text-align: right;">\$ 5.00</td> </tr> <tr> <td>Chemistry</td> <td style="text-align: right;">\$10.00</td> </tr> <tr> <td>Pharmacy</td> <td style="text-align: right;">\$ 5.00</td> </tr> </table> <p>To cover cost of materials and breakage</p> <p>Duplicate Diploma Fee To replace large diploma</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$10.00</td> </tr> <tr> <td>To replace small diploma</td> <td style="text-align: right;">\$ 7.50</td> </tr> </table> <p>Graduation Fee (including small diploma) Each degree</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$15.00</td> </tr> </table> <p>Hospital insurance fee (Duluth) Per quarter</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$13.70</td> </tr> </table> <p>Required of all students taking 5 or more credits unless carrying equal hospital insurance</p> <p>Large Diploma Fee</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$ 7.50</td> </tr> </table> <p>Any graduate may get a large diploma in place of a small one, by paying this fee in addition to the graduation fee.</p> <p>Microscope Rental Fee Partial use, one quarter</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$ 3.00</td> </tr> <tr> <td>Continuous use, one quarter ..</td> <td style="text-align: right;">\$ 6.00</td> </tr> </table> <p>Course Fees Civil Engineering Summer Camp; Mod-</p>		\$10.00	Graduate School	\$15.00		\$ 5.00	Biochemistry (Ag)	\$ 5.00	Biochemistry (Med)	\$ 5.00	Chemistry	\$10.00	Pharmacy	\$ 5.00		\$10.00	To replace small diploma	\$ 7.50		\$15.00		\$13.70		\$ 7.50		\$ 3.00	Continuous use, one quarter ..	\$ 6.00	<p>ern Language Institute; Music Lessons; Physical Education; Preparatory Composition; English; Mathematics; Public Health; Rhetoric. See Class Schedule issued at registration.</p> <p>Music Practice Fees For rent of pianos, organs, and music practice rooms. Rates are given in the Class Schedule issued at registration.</p> <p>Placement Service Fee—required of degree candidates from Duluth</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$10.00</td> </tr> <tr> <td>College of Education (except Nursing Education Majors) ...</td> <td style="text-align: right;">\$15.00</td> </tr> <tr> <td>Morris (optional)</td> <td style="text-align: right;">\$15.00</td> </tr> </table> <p>Late Fees—for late registration Through first week of classes .. \$ 6.00 Through second week of classes \$10.00 Third week of classes and thereafter</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$20.00</td> </tr> </table> <p>Record Service Fee</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$ 3.00</td> </tr> </table> <p>This fee required of all new students, provides 3 certified copies of student records Each additional copy</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$ 1.00</td> </tr> </table> <p>At Duluth, \$1.00 required each time student requests 1-3 certified copies of his student record. When more than 3 copies of transcripts are required, a charge of \$1.00 will be made for each additional copy</p> <p>Special Examination Fee</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$20.00</td> </tr> </table> <p>Speech and Hearing Clinic Fees See Class Schedule issued at registration</p> <p>Thesis Binding Fee Master's Thesis</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$ 5.00</td> </tr> </table> <p>Thesis Examination Fee For professional engineer degree \$15.00 Thesis Publication Fee Ph.D. Thesis</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 90%;"></td> <td style="text-align: right;">\$25.00</td> </tr> </table>		\$10.00	College of Education (except Nursing Education Majors) ...	\$15.00	Morris (optional)	\$15.00		\$20.00		\$ 3.00		\$ 1.00		\$20.00		\$ 5.00		\$25.00
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Fees may be paid either at the West Bank Cashier's Office or at 115 Morrill Hall. Students on the St. Paul Campus may pay fees at the Cashier's Office, Coffey Hall.

* Change from current bulletin.

UNIVERSITY OF MINNESOTA

General Information Bulletin

1971-1972

- MINNEAPOLIS/ST. PAUL CAMPUS
- DULUTH CAMPUS
- MORRIS CAMPUS
- CROOKSTON CAMPUS
- WASECA CAMPUS

University of Minnesota

ITS DEVELOPMENT

On December 22, 1869, William Watts Folwell delivered his inaugural address as the first president of the University of Minnesota. With a prophetic look at the future, he foresaw a great "federation of schools"—the modern university with its vast educational scope. He forecast a university "not merely from the people, but for the people."

The University was chartered in 1851, 7 years before the Territory of Minnesota became a state. It began as a preparatory school, was beset by financial crises during its early years, and was forced to close during the Civil War. During this difficult time, John Sargent Pillsbury began the long and dedicated service that won him respect as "the Father of the University." As University regent, state senator, and later governor, he led the University out of its financial problems and set it on the road to greatness.

In 1869 when the University reopened its doors and President Folwell gave his farsighted inaugural address, there were only 9 faculty members and only 13 freshman students. Two students were graduated at its first Commencement in 1873. Today, the visionary's dream has become a fact. The University has grown into a major center of education, creative scholarship, research, and service. It is one of the largest universities in the United States, with a 1970-71 enrollment of more than 51,000 full-time students in its degree-granting colleges and schools and 30,000 part-time Extension students. Its administrators and faculty members are constantly growing and adapting to accommodate the burgeoning student body and to meet the demands of a society experiencing revolutionary change.

HOW THE UNIVERSITY IS ORGANIZED

The University of Minnesota is governed, under its charter from the state, by its Board of Regents—12 citizens of the state elected by the legislature. Its chief administrative officers are the president, the provosts at Duluth, Morris, Crookston, and Waseca, seven vice presidents, the associate and assistant vice presidents, and the deans and directors. Money to support the University's teaching, research, and service activities comes from legislative appropriations, from student fees, and from endowments, grants, and donations from many sources.

The University offers programs on five campuses as well as throughout the state through its Extension services. Most of the colleges and schools, as well as the University's central administration, are on the Twin Cities Campus/Minneapolis. The Institute of Agriculture, the College of Biological Sciences, and the College of Veterinary Medicine are on the Twin Cities Campus/St. Paul. Other campuses are located at Duluth, Morris, Crookston, and Waseca. Each campus has an Office of Admissions and Records.

HUMAN RIGHTS

The Board of Regents has committed itself and the University of Minnesota to the policy that there shall be no discrimination in the treatment of persons because of race, creed, color, sex, or national origin. This is a guiding policy in the admission of students in all colleges and in their academic pursuits. It is also to be a governing principle in University-owned and University-approved housing, in food services, student unions, extracurricular activities and all other student and staff services. This policy must also be adhered to in the employment of students either by the University or by outsiders through the University and in the employment of faculty and civil service staff.

ADMISSION TO COLLEGES OF THE UNIVERSITY

The University of Minnesota affords the opportunity for advanced education and professional training through its many college units and professional schools to all qualified residents of Minnesota and to many nonresidents as well. Each of these college units grants its own degree. Each differs in aim, curricula, degree standards, and entrance requirements.

Every student at the University is enrolled in a college. Some of these colleges admit new freshmen; others require some prior college work in order to qualify for admission. The graduate and professional schools require either a specific preparatory curriculum or a baccalaureate degree. A brief description of each college and school and its entrance requirements is presented beginning on page 16. A bulletin for any of the colleges or schools may be obtained by writing to the Office of Admissions and Records.

WHO MAY ENTER THE UNIVERSITY

Undergraduate colleges of the University invite applications for admission from: (a) Minnesota residents who are graduates of accredited high schools or who have Equivalency Certificates; (b) students who have completed some college work elsewhere; (c) nonresidents with superior high school or above-average college records; (d) nonhigh school graduates who hope to qualify by examination; (e) men and women who want courses to meet special personal needs and not for degree purposes.

Professional schools or colleges consider applications from students who have completed (depending upon the individual college requirement) from 1 to 4 years of preprofessional college-level education.

The *Graduate School* considers applications from any student who has a Bachelor's degree from a recognized college or university.

HOW AND WHEN TO APPLY FOR ADMISSION

Students are admitted to a specific college or program and for a specified term. Before completing an application form, read the descriptions of the colleges and their entrance requirements in the next section (Colleges and Schools of the University).

Application for admission to the undergraduate schools and colleges should be submitted to the appropriate University Office of Admissions on the Twin Cities, Duluth, Morris, Crookston, or Waseca Campuses. Application

procedures for the professional schools are detailed in the respective college bulletins. For admission to the Graduate School, see page 11.

All applicants are required to pay a \$10 credentials examination fee (\$15 for graduate students) which must accompany the application. Check, money order, or bank draft should be made payable to the University of Minnesota and be securely attached to the application form. *This fee is not refundable.* An application is valid for 1 year from the date initially requested for entry. Application deadlines for most programs are July 15, November 15, and February 15 for fall, winter, and spring terms respectively. Special earlier application dates are specified for some programs in the section describing those programs.

Applications and complete supporting documents should be filed well in advance of these dates. Information needed to complete an application differs with the particular school or college. See the sections describing the collegiate units for details.

No applicant will be admitted to more than one college of the University concurrently; but, he may at any stage in the application process, or after admission, request to have his application transferred to another college or campus of the University for consideration. Admission to one college does not guarantee admission to any other college to which the student might seek entry.

Admission From High School

High school students should apply between November 1 and April 1 of their senior year for admission the following fall. It is also possible to begin college work in the Summer Session. Freshman application forms are available at Minnesota high schools and also through the University Office of Admissions. *Freshman applications are generally submitted through the student's high school counselor.* Students applying for fall admission will be notified of admission decisions no earlier than the preceding January.

All freshman applicants must take the tests of the American College Testing program (ACT) and have the test scores reported to the Office of Admissions and Records on the University campus they plan to attend. These tests should be taken at the earliest test date during the senior year. Information about testing dates and registration procedures is available in the high schools, and also by writing to ACT Central Registration Unit, Box 168, Iowa City, Iowa 52240.

Each student participating in the program pays a \$6 testing fee. *ACT scores must be on file at the University before final admission will be granted.* In addition to the ACT, special college requirements for tests may be indicated. Anyone who wishes to attend college but thinks he may not be admissible because he did not graduate from high school or failed to take certain courses believed necessary for college entrance, and those in doubt about course offerings are invited to write the Office of Admissions, University of Minnesota, Minneapolis, Minnesota 55455. Almost every college of the University has made special arrangements to admit worthy applicants regardless of their precollege training. Recommendations from high school principals or counselors are encouraged. See also Admission by Examination.

Entrance requirements for high school graduates who are Minnesota residents vary with the college; these are outlined in the section, Programs Open to Beginning Freshmen. (See also Admission of Nonresidents.) In the resident admission requirements listed, a high school unit stands for a year of work of approximately 180 class hours in a subject.

Institute of Agriculture

College of Agriculture—High school graduates in the upper 60 percent of their classes may enter if they have completed 12 units in grades 10-12. Nine of these should be chosen from high school offerings in English, social studies and history, mathematics, natural science, and foreign languages. Distribution of these units with respect to the major areas included in the college should be as outlined below.

Agriculture—3 units in English, 1 unit in elementary algebra, 1 unit in plane geometry, 1 unit in higher algebra or equivalent courses, and 1 or more units in natural science or agriculture.

Preveterinary Medicine—3 units in English, 1 unit in elementary algebra, 1 unit in higher algebra, 1 unit in plane geometry, and 1 or more units in natural science or agriculture. Students wishing to prepare for entrance to the College of Veterinary Medicine should apply for admission to the College of Agriculture.

College of Forestry—High school graduates in the upper 60 percent of their classes may enter if they have completed 12 units in grades 10-12. Nine of these should be chosen from high school offerings in English, social studies and history, mathematics, natural science, and foreign languages. Distribution of these units with respect to the major areas included in the college program should be as outlined below.

Forestry—3 units in English, 1 unit in elementary algebra, 1 unit in plane geometry, 1 unit in higher algebra or equivalent courses, and 1 unit in natural science.

College of Home Economics—High school graduates in the upper 60 percent of their classes may enter if they have completed 12 units in grades 10-12. Nine of these should be chosen from high school offerings in English, social studies and history, mathematics, natural science, and foreign languages. Distribution of these units with respect to the major areas included in the college program should be as outlined below.

Home Economics—3 units in English, 1 unit in elementary algebra, 1 unit in plane geometry, and 1 unit in higher algebra or equivalent courses. A student expecting to major in related art need present only 1 unit in elementary algebra.

Dental Hygiene and Dental Assisting

The requirements for admission to the 2-year Program in Dental Hygiene are similar to those for the College of Liberal Arts. High school chemistry is required, and typing and geometry are recommended. College transfer students who have completed biology and 2 quarters of freshman English are given preference. Applicants may be men or women 18 years or older. The program begins fall quarter, and the application deadline is June 1. Graduates of this program may apply these credits toward a Bachelor's degree through University College.

An 11-month Program in Dental Assisting is offered through General College and the School of Dentistry. This program begins the first term of Summer Session, and application deadline is May 1.

Students may apply the credits received in the Dental Assisting Program toward the 2-year associate in arts degree offered by General College. These courses can be taken either before or after registration in Dental Assisting.

Graduates who have attained the associate in arts degree and the certificate in dental assisting may be considered as candidates for the bachelor of science degree for dental assisting teachers. This program is offered through University College and will require 2-3 years of additional course work.

College of Education

Students will be considered for admission as freshmen to the physical education and recreation leadership curricula if they have a college aptitude rating of 50 or higher. This rating is the average of the applicant's percentile rank in his high school graduating class and his percentile rank when compared with university freshmen on a college aptitude test.

Students will be considered for admission to the special fields of art, business, distributive, industrial, and music education after 1 year in the Arts College.

Students wishing to prepare for teaching in elementary schools or in the academic subject areas of the secondary schools complete 2 years of preparatory work in the Arts College. Due to enrollment limitations the Admissions Committee cannot accept all applicants who meet minimum requirements.

Students wishing to prepare for the teaching of agriculture or home economics will register for their first 2 years in the College of Agriculture or College of Home Economics.

General College

Depending on the availability of space, the General College is open to any resident of Minnesota who is a high school graduate and for whom its courses and student personnel services are appropriate. Nonhigh school graduates who perform satisfactorily on scholastic aptitude tests also may apply for admission. The college offers a 2-year program which gives students opportunities to explore a variety of subject-matter fields, to test themselves in college-level academic work, to build the foundations of a general education, and to earn the associate in arts degree. The college also offers a select number of occupational education programs. Applicants wishing to explore the possibility of receiving degree credit for post-high school study completed at public and private vocational education institutions should make inquiry at the General College Student Personnel Office, 10 Nicholson Hall. The General College also accepts a limited number of students seeking to follow special courses of study extending beyond the first 2 years of college through a baccalaureate degree. Students wishing to discuss proposals for third- and fourth-year work at the University through the General College should make inquiry in the Office of the Dean, 106 Nicholson Hall.

College of Liberal Arts

Candidates for admission to the college must present college aptitude ratings (CAR) of 50 or higher (CAR is the average of high school graduation percentile rank and percentile rank among university freshmen on a college aptitude test). Applicants whose CAR is 60 or higher are almost always admitted; those in the 50-60 range are reviewed individually on the basis of all available information. The number admitted, under the University's planned-growth policy, depends on available staff and facilities. Since the likelihood of admission of any student with a CAR of 50 or higher is strong, such students are urged to apply.

Applicants should complete 12 units in the last 3 years of high school, at least 9 of them in English, social studies and history, mathematics, natural science, and foreign language. Three must be in English, 2 or more in mathematics (including 1 in plane geometry), and 2 or more in one of the other

specified areas. Appropriate mathematics and foreign language courses completed before 10th grade may count toward these requirements, but not among the 12 units required in the last 3 years.

Well-qualified students may be admitted without meeting the stated requirements. The college advises those who plan programs in mathematics, business, or medical or other sciences to complete as much high school mathematics as they can. It also urges that those who expect to seek B.A. degrees earn as many high school foreign language units as possible.

Applicants for the bachelor of fine arts degree, who must meet the admission requirements stated above, are subject during their first college year to critical review of their special abilities in the field they hope to enter (art, music, theatre).

Department of Mortuary Science

The Department of Mortuary Science (a division of the Health Sciences) offers a 4-year curriculum leading to a bachelor of science degree with a major in mortuary science. Students preparing for licensure in states requiring less than a 4-year degree may receive verification as having attended and satisfactorily completed certain courses, supported by an official transcript, if they are in good standing and have completed the minimum requirements as set forth by the American Board of Funeral Service Education and the requirements of the state in which they seek licensure.

To be considered for entrance to the Department of Mortuary Science the student must have completed 90 quarter credits with a C (2.00) average in the College of Liberal Arts of the University or any other accredited university, college, or junior college. Because of the sequence of courses, students should plan to enter in the Summer Session or fall quarter.

Institute of Technology

Students wishing to enter the Institute of Technology (commonly called "IT") should complete 4 years of high school mathematics; courses in physics and chemistry are strongly recommended. If these courses are unavailable in the student's high school, consideration should be given to available correspondence courses (see *Independent Study Bulletin*) and extension classes (see *Evening Classes Bulletin*).

Requirements for admission to IT include the following:

1. Course Requirements
 - a. Twelve units completed in grades 10-12, including 3 units in English.
 - b. Four years of high school mathematics. The beginning course given for credit in the fall of 1971 will be Math 1-210, 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.

2. Academic Standing

For the 1971-72 school year, the primary factors considered in determining admissibility, in addition to course requirements, are high school class rank and performance on the ACT mathematics and ACT natural science tests. Very few students are accepted in IT when the high school rank is below the 60th percentile and the ACT standard score in mathematics and natural science are below 25.

A student not eligible for admission directly may apply for transfer after 1 or more years of satisfactory work in some other college, such as a local junior college, a liberal arts college, or other colleges of the University. Students who enter another college hoping to transfer later to IT must consult with the counselors in that college at the very beginning of the school year in order to plan for this transfer and to receive help in planning their programs in relation to this goal.

University of Minnesota, Duluth

Applicants with a college aptitude rating of 40 or more will be considered for admission to preprofessional courses or to curricula leading to the B.A. or B.S. degree. 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. Freshman applicants are required to take the ACT tests.

Students with a CAR below 40 who live within the UMD commuting or service area may be admitted on a selective basis if adequate course offerings are available and if it appears that they will be able to benefit from this experience.

Additional information about entering the University of Minnesota, Duluth can be obtained from the Admissions Office, Administration Building, University of Minnesota, Duluth, Duluth, Minnesota 55812.

University of Minnesota, Morris

Minnesota high school graduates with a college aptitude rating (CAR) of 50 or more will be considered for admission to the University of Minnesota, Morris. Applicants with CAR's slightly higher or lower will be individually reviewed by the Admissions Committee, using a multiple set of criteria which includes a weighted prediction of college grade point average, based on the American College Test. The CAR, the high school rank, relevant test information, the distribution of high school courses, and the recommendations of high school officers will also be considered. Students within this group with the best potential for successfully completing a collegiate program will be admitted.

Additional information concerning admission to the University of Minnesota, Morris may be obtained from the Admissions and Scholarships Office, University of Minnesota, Morris, Morris, Minnesota 56267.

University of Minnesota Technical College, Crookston

Graduates from an accredited high school who have taken the ACT test will be considered for admission. Additional information may be obtained from the Office of Admissions and Financial Aid, University of Minnesota Technical College, Crookston, Crookston, Minnesota 56716.

University of Minnesota Technical College, Waseca

High school graduates or equivalent will be considered for admission. Each application is considered on an individual basis. Items such as aptitude, interest, and ability to profit from the program offered will be considered. All students are required to take the American College Test and the results must be submitted as part of the application.

Additional information concerning admission may be obtained from the Office of Admissions and Records, University of Minnesota Technical College, Waseca, Waseca, Minnesota 56093.

Other Admission Categories

Admission as an Adult Special Student

Men and women who want individual courses or groups of courses to meet personal needs may be considered for admission to the individual colleges as "adult special" students. Usually these students are 24 years of age or older or they have a Bachelor's degree. Adult special students are not candidates for degrees but admission to a degree program is possible on recommendation of the college. In such case, credit earned as an adult special will be applied when possible. Admission is completed through the Office of Admissions and Records of the appropriate college or campus. Requirements for admission of nonresident undergraduate students apply to admission of nonresident adult special students. Applications should be submitted well in advance of the quarter of entrance. On the Duluth Campus this category is "Special" student instead of "Adult Special" student.

Admission with Advanced Standing

(Students transferring from other collegiate institutions)

Students may enter the University after having studied in another college or university first. The University and its colleges welcome students transferring from other collegiate institutions.

Admission standards for the transferring student vary depending upon the college from which the student is coming, the college of the University to which he plans to transfer, and the amount of previous college work he has completed. If the student attended an accredited college he may be given credit for work satisfactorily completed and enter with "advanced standing."

There is no "best time" to transfer; however, unless the student has planned his program according to graduation requirements of the college to which he transfers, a delay may be involved in meeting these requirements (see specific college bulletin for requirements).

Normally a student transferring with less than a year's college credits will enter under the same requirements as new incoming freshmen. These requirements for each college of the University are listed in this bulletin in the section on Programs Open to Beginning Freshmen. In addition, previous college work will be considered in making an admission decision.

If a student has completed a full year of transferable work at another accredited college, he will be accepted on the basis of his college work

alone; his high school record will no longer be a criterion of his admission. Such previous college work must be at least of C average, although in many instances a higher average may be required for admission. Students transferring from out of state are usually required to present above-average records. Students entering with less than 2 years of college work will enter as Lower Division students, that is, as freshmen or sophomores, depending upon the number of credits they have completed. Many colleges of the University admit Lower Division students. See the section in this bulletin on Programs Open to Beginning Freshmen for a description of these.

Students who have completed approximately 2 years of transferable college work may be able to enter Upper Division as juniors or seniors. Undergraduate colleges of the University which enroll *Upper Division students only* are the College of Biological Sciences and the School of Business Administration. In addition, certain curricula in elementary education and most programs in secondary education in the College of Education enroll only Upper Division students. If a transfer student has not completed enough credits for Upper Division, he would apply to a college which admits Lower Division students to complete the necessary number of credits. Usually, this would be the College of Liberal Arts.

In addition to total credits, students may have to meet specific course requirements before admission to an Upper Division college can be approved. Any student planning to transfer to an Upper Division college should study the bulletin of that college to make sure he has completed the courses required for admission.

Professional schools and programs have additional course and grade point average requirements which may be different from the general admission standards already outlined. Review the section on Admission to the Professional Schools and Colleges in this bulletin, and consult the specific professional school bulletin for additional information. Planning for professional schools should be done early in the college program.

Transfer Credit—The University allows credit for work completed at another accredited college if appropriate to the student's program here. Technical courses and nontransfer courses from junior colleges are not normally accepted for Bachelor degree programs. Credit for such courses is usually allowed by the General College and counts toward an Associate degree.

Credits taken on a semester system are converted to quarter credits by multiplying the number of semester credits by 1.5. For example, a course offered for 4 semester credits would transfer with 6 quarter credits.

Courses are transferred for credit in two ways; the basis for determining which way is a comparison of course descriptions from the student's college bulletin with University of Minnesota course descriptions. If the course descriptions show that material and range of the course is similar to a specific University course, the student receives credit for that University course number on his transfer record. This transferred course is then considered the equivalent of the University course.

If the course does not have a University equivalent but is considered appropriate to the student's program here, credit is allowed under the appropriate department but without a University course number. This credit can count as elective credit to be applied toward meeting the total credits, a requirement for graduation from the college. In many instances these credits will also be counted toward meeting the University's liberal education distribution requirements for the Bachelor's degree.

All passing work, including courses carrying grades of D, may be transferred. (See *Institute of Technology Bulletin* for exceptions in technical courses.) All transferred work is entered on the student's University record as "T," or transfer work; that is, it carries no grade, although grades earned at other institutions will have a bearing on admissibility to the University. Students may be required to make up any grade point deficits.

Applying for Transfer—Applicants must request that official transcripts be sent by all the colleges which they have attended covering all work attempted, satisfactorily or unsatisfactorily. (An *official* transcript is one bearing the college seal and sent directly from the college to the University Office of Admissions and Records.) Applications and transcripts should be submitted to the Office of Admissions and Records well in advance of application deadline. Applicants for undergraduate programs for fall quarter should apply during the preceding academic year, as soon as winter quarter grades (usually by April 15) or fall semester grades (usually by February 15) are available on an official transcript. A list of spring term courses in progress must be included with the application. When all course work is completed, an official *final* transcript must be submitted.

Application deadlines for most programs are July 15, November 15, and February 15 for fall, winter, and spring terms respectively. Some specialized programs have earlier deadlines which are specified in college bulletins.

Admission to the Graduate School

A Bachelor's degree or its equivalent from a recognized university or college is a prerequisite for admission to the Graduate School. An applicant with the necessary background for his chosen major field, an excellent scholastic record, and satisfactory character and professional qualifications may be admitted for graduate work on recommendation of the faculty in the proposed major field and approval of the dean of the Graduate School.

Requests for application must be sent to the Graduate School, 322 Johnston Hall, University of Minnesota, Minneapolis, Minnesota 55455, and should specify the proposed major field. Applicants to the Duluth Campus write to the Graduate Office, Administration Building, University of Minnesota, Duluth, Duluth, Minnesota 55812.

All applications for admission are submitted to the Graduate School. These must be received, complete in every detail—one official transcript from *each college attended*, the credentials examination fee, and test results, if required—at least 4 weeks prior to the opening of the quarter or summer term in which the applicant expects to register.

Admission of Nonresidents

Applications for admission from non-Minnesotans who have above-average academic promise, superior high school or college records, and special interest in this University are welcomed. This implies no commitment to such applicants. Freshman applicants must also take the tests of the American College Testing program; College Entrance Examination Board test scores are requested when available. Since individual consideration by the faculty concerned is usually involved, any nonresident should apply well in advance of the appropriate application deadline. (See also section on Fees)

Admission to the Professional Schools and Colleges

The professional schools and colleges require from 1 to 4 years of pre-professional education before accepting students. This preparatory work may be taken at the University of Minnesota or elsewhere. To take it at the University, students must meet the entrance requirements of the college offering the work.

The specific preprofessional course work required is delineated in the bulletins of the respective professional schools; students interested in these professional programs should study the appropriate bulletins and follow the curriculum outlined. Preprofessional work from other institutions must also meet these specific requirements.

Fall application deadlines are October (a year in advance) for medicine, November 15 for veterinary medicine, April 15 for nursing, April 15 for dentistry, May 1 for elementary and secondary academic education, and June 1 for architecture.

Admission to the Summer Session

The two terms of the Summer Session are open to high school graduates under regular entrance regulations (see section on Admission from High School), to students already admitted to the University, and to those who are or have been in attendance at any accredited collegiate institution and who are in good standing. Students with credit from other institutions who are not candidates for degrees at the University of Minnesota may enroll without submitting credentials. Admission to Summer Session gives them no claim to attendance in regular session. Outstanding high school students with special interests which can be satisfied by attending college before high school graduation may apply for admission to the Summer Session to take work between their junior and senior high school years. Credits earned will be counted toward a degree if the student later enrolls at the University.

Students who begin their University attendance during the Summer Session and plan to continue in the regular academic year or who seek degrees at this University should apply for admission and submit credentials in the usual way. Requirements for admission in the Summer Session are the requirements of the colleges as defined in the section describing admission to the specific colleges.

Admission by Examination

Anyone 19 years of age or older, whether a graduate of a Minnesota high school or not, may apply for admission by examination. In most instances these examinations are of the "objective" type and measure general aptitude for college work rather than knowledge of specific subject matter areas. Write to the Office of Admissions and Records of the appropriate college or campus for information. "Early admission" for very outstanding high school students or for nongraduates, who show evidence of considerable maturity and scholastic promise, is possible on a limited basis and is subsequent to careful testing and interviewing. Formal application, including letters of recommendation from the school principal and parents, is made to the Office of Admissions and Records of the appropriate college or campus. Early application is required—fall quarter applicants should apply in the spring.

Credit by Special Examination

University students may earn credit for many courses without formal registration in them through satisfactory completion of special examinations. The University considers both credit and advanced placement based on the Advanced Placement Tests of the College Entrance Examination Board and the College Level Examination program.

Individual departments also offer examinations for credit and placement. These examinations should be taken during the first quarter of the University following relevant preparation or experiences (e.g., independent study, advanced work in high school, travel, and military experience). Additional information may be obtained from faculty advisers or the student's college office.

Change of College Within the University

A student who wants to change, within the University, from one college, school, or campus to another must meet the requirements of the second. Application for transfer should be made at the Office of Admissions and Records on the campus where the student is currently or was last registered. Transfer application deadlines of September 1, December 1, and March 1 have been set for the fall, winter, and spring terms, respectively.

The Transfer Bureau of that office aids in such changes by securing clearances, reevaluation of credits, and in other ways. Students should apply to the appropriate Transfer Bureau as far in advance as possible of the actual date of transfer.

Entrance Health Examination

Included with the material that you will receive when you have been accepted for admission will be a special Entrance Physical Examination form to be completed by a physician. After the physical examination has been completed, the form is to be mailed by the examining physician directly to the University Health Service, University of Minnesota, Minneapolis, Minnesota 55455 for those admitted to colleges on the Twin Cities Campus. It should be mailed back as soon as possible, preferably within a week. Physical examination forms for Crookston Campus students should be mailed to the UMC Health Service. Physical examination forms for Duluth Campus students should be mailed to the UMD Health Service. Morris Campus students will take their health examination when they report for registration.

Orientation and Registration

Two-Day Orientation-Registration Program

In this program the new student is asked to participate in 2 days (1 day for transfer students) of activities which include testing, counseling, general registration procedures, and small group discussion sessions. The program varies slightly for each of the colleges and schools to meet individual college requirements. When a student is admitted he is sent

a brochure describing the Orientation-Registration Program from the Office of Admissions and Records. At a later time, the college in which he is enrolled informs him when he is to attend orientation. When the students report for orientation, they are assigned to groups of about 25 students according to the college of their choice. These groups are under the leadership of an upperclass leader whose responsibilities are to give information, to guide the group about the campus for group appointments, and to give the student individual attention. The new students complete registration after individual appointments with faculty members and advisers. Students may arrange for part-time employment and the purchase of books and supplies while they are on campus for orientation. This program of orientation-registration is sponsored by the various colleges and agencies of the University, and is coordinated by the *Orientation Office of the Office for Student Affairs*. Registration is under the direction of the Recorder's Office. The program for most transfer students can be completed in 1 day.

The Duluth Campus conducts a similar program for the benefit of new students. It is a cooperative program sponsored by Student Personnel Services and the Student Association. Detailed information will be furnished each student following his admission.

The University of Minnesota, Morris conducts a summer preregistration and all freshmen are invited to participate in a 2-day program planning and registration session. Discussion of college requirements, course selection, advanced placement, and individual advising are included in the day's activities. Admitted students will be assigned a summer date and will be notified by mail.

The University of Minnesota Technical College, Crookston conducts a 3-day orientation program for all new students before the start of the fall quarter. Discussion of college requirements, faculty advisement, course selection, and registration are included in the program. Detailed information will be mailed to each new student admitted to the college.

A special orientation day is held for those students who are transferring from other colleges (2 days for those transferring to the Institute of Agriculture). This date normally occurs just prior to the beginning of fall quarter. Transfer students will be notified by mail of this orientation date.

Freshman Camp (Twin Cities Campus)—With registration completed and fees often already paid at the end of the Two-Day Orientation-Registration Program, the student has completed all that is actually required of him prior to the beginning of classes.

Why should a student then attend Freshman Camp? In fact, what rests behind the University's sponsorship of Freshman Camps?

The Two-Day Orientation-Registration Program is only one of several dimensions of orientation at the University of Minnesota. This required program does not offer enough time to respond to all concerns of all the freshmen. There is insufficient time to explore the broader implications of a university education.

The University intends that education consist of more than the acquisition of a college degree. The intention of Freshman Camp experience is to provide a glimpse of the immense challenges and opportunities: challenges to personal beliefs and ideas and opportunities for intellectual and cultural development.

The setting for this experience is any of seven camp sites used for Freshman Camp. This atmosphere provides the ideal opportunity for an informal yet intense dialogue among incoming freshmen, upperclass students, and outstanding faculty.

Students and faculty together discuss the university's role and the student's role in intellectual development, vocational development, the concern for aesthetic awareness, and human relations. The focus throughout this programming is the new student and his personal development at the university.

Welcome Week (Twin Cities Campus)—Like Freshman Camp, Welcome Week is not absolutely required. A student could by-pass both of these events and go directly from the Two-Day Orientation-Registration Programs into fall quarter. As with Freshman Camp, Welcome Week offers a head start in a college career—a chance to gain some insights into both practical and philosophical aspects of life at a great university.

Of concern to most students is the uncertainty of academic success in the face of intensified competition. The Reading and Study Skills Center, a division of the Student Counseling Bureau, conducts the valuable "How to Study" program as a part of Welcome Week. Another program of pragmatic value often a part of Welcome Week is the "How to Listen" program.

A fundamental characteristic of the intellectual experience at a university is the exchange of ideas, the interplay of varying perspectives. To dramatize the importance of this experience a series of debates is presented during Welcome Week. Faculty and students representing different points of view discuss the great issues of the day—American foreign policy, the limits of campus dissent, the new morality, etc. To supplement the debates with a base of knowledge and understanding, Welcome Week offers a series of related book reviews. The reading list for these is mailed to students during the summer. Most colleges which admit freshmen present a college convocation providing students with an excellent opportunity to meet college deans and faculty in their areas of interest.

Orientation Week (Morris Campus)—An orientation program is conducted for all freshmen during the week which precedes the beginning of fall quarter classes. The program is designed to familiarize the new students with the policies, facilities, and curriculum of the University of Minnesota, Morris. Notification of the program and dates will be sent prior to the fall quarter.

Bulletins

University of Minnesota college bulletins may be requested by writing the Office of Admissions and Records, University of Minnesota, Minneapolis, Minnesota 55455.

You must include your ZIP CODE in your return address. Without the zip code the University will not be able to fill your requests.

Occasionally additions and modifications are necessary during the period for which the bulletin has been published. The University reserves the right to make these alterations without notice.

DEGREES AND COURSES

Degrees and certificates awarded by the University are of wide variety. They range from certificates in highly specialized areas to graduate degrees that may require years of advanced study. Most Bachelor's degrees require 4 years (12 quarters) of work.

The pages that follow tell in general terms about the University's courses of study. Some of them are open to students without preprofessional training and are described on pages of this bulletin. Other courses of study require students to complete preprofessional work first (pages 23-32). Each college or major division of the University has its own bulletin—in it you will find outlines of degree requirements as well as full descriptions of courses and regulations. Write to the Office of Admissions and Records of the appropriate college or campus for the particular bulletin you want.

If you are in doubt as to the direction your education should take, the University's counseling services are available to help you. See section entitled Counseling Aids.

Degree Requirements

Degrees from the University of Minnesota are granted by the Board of Regents on recommendation of the faculty. Here are the steps leading to the granting of a degree.

First, a student must meet all the course, credit, and grade average requirements of the school, college, or division of the University in which he is enrolled, including the all-University requirements for a liberal education.

Second, he must meet residence requirements. This means that he must have spent at least a year in regular work at the University, of which 2 quarters must be in his senior year (if he has only 1 year of residence, it must be his senior year). Extension courses (except correspondence study) count as residence credit. Some schools and colleges have additional residence requirements.

Third, he must meet all financial obligations to the University.

Programs Open to Beginning Freshmen

Institute of Agriculture

College of Agriculture—The College of Agriculture offers baccalaureate degree programs in a wide range of areas. The 4-year curricula that lead to the B.S. degree are:

Agricultural Business Administration; Agricultural Science and Industries (with majors in agricultural economics, agricultural education, animal science, mechanized agriculture, plant and animal protection, and plant and soil science); Biological and Physical Sciences in Agriculture (with majors in animal science, entomology, food science, and plant and soil science); Fisheries and Wildlife; Food Science and Industries (with areas of emphasis in chemistry, industrial engineering, management, and public health); and Resource and Community Development (with majors in landscape design and environmental planning, recreation resource management, resource economics, and soil and water resource management).

Preveterinary medical requirements for admission to the professional school may be completed in this college with faculty advising provided by the College of Veterinary Medicine.

College of Forestry—This college in the St. Paul area of the University offers Bachelor's degrees in a wide range of subject areas and, in some

fields, advanced professional degrees. The 4-year courses that lead to the B.S. degree or its equivalent:

Forest Resources Development; Forest Science; Forest Product Marketing; Forest Products Engineering; Recreation Resource Management.

College of Home Economics

Family Social Science (family relationships, family economics); Foods (foods in business, foods major, journalism minor, preparation for research in foods); Home Economics Education (teaching and extension); Household Equipment (business preparation for research); Nutrition and Food Service Administration (dietetics, food service administration, nutrition science); Related Art (interior design, costume design, and fashion, decorative art); Textiles and Clothing (business, textiles and clothing major, journalism minor, preparation for research in textiles and clothing); General Home Economics (home economics and nursery school education).

Dental Hygiene and Dental Assisting

Program in Dental Hygiene—Beginning only in the fall, this program for men and women comprises 2 academic years of work in the School of Dentistry with concurrent courses in the College of Liberal Arts. The program qualifies its graduates to work in dental offices, public health agencies, public schools, and hospitals. Upon receiving the Graduate Dental Hygienist (G.H.D.) degree, the graduate must obtain a license by passing an examination in the state in which he or she wants to work.

The course work in this program may be applied toward a Bachelor's degree through University College.

Program in Dental Assisting—Offered jointly by the School of Dentistry and General College. This program prepares men and women to perform a variety of duties as dental assistants. The program permits the student to attain three major objectives all in 1 year: (a) a general education, (b) supervised training as a dental assistant, and (c) education requirement for certification as required by the American Dental Association.

Students will register in General College, and the 11-month program qualifies them for a certificate in dental assisting. Credits earned during this year may also be applied toward the requirements for the 2-year associate in arts (A.A.) degree. The additional year of work may be taken before or after the year in dental assisting.

Students who have received the associate of arts degree including the specified dental assisting courses with a C average may apply for the dental assisting teaching degree. This is an additional 2- to 3-year course of study leading to a bachelor of science degree in University College.

College of Education

The College of Education offers programs leading to the bachelor of science and master of education degrees and Minnesota teaching certification. A student may prepare himself for teaching in any academic field or specialized area of study found in Minnesota public schools.

In certain fields of study, students may enter the College of Education as freshmen and complete their entire programs while registered in this college. These fields are: physical education for men, physical education for women, and recreation leadership.

Enrollment limitations restrict the number of applicants for admission to the college who can be accepted in elementary education and secondary

academic teaching areas. Not all students completing the preparatory curricula can expect to be admitted to the college.

For other teaching majors and areas, students register for 1 or 2 years of preparatory study in the College of Liberal Arts or in the College of Agriculture or the College of Home Economics.

Some students may wish to follow combined programs with the College of Liberal Arts in which they complete the requirements of both colleges and receive baccalaureate degrees from both. Other special programs exist between the College of Education and the Institute of Technology, completion of which results in a Bachelor's degree from the Institute of Technology and a master of education degree from the College of Education.

General College

A student enrolled in the General College pursues a course of study individually planned in consultation with an adviser, selecting subjects from a free-choice curriculum. He may design a 2-year program in general education culminating in the associate in arts degree. He may transfer to another unit of the University with advanced standing credit if the quality of his work is considered acceptable by the college of his choice. (The amount of advanced standing credit varies according to the program the student enters.)

General College students may combine general education courses with instruction in such occupational fields as electronics technology, dental assisting, marketing, law enforcement, medical or legal secretarial training, landscape horticulture, and recreation for special groups. Credits earned in these occupational sequences, and in some cases through work experience, can be applied toward the requirements for the associate in arts degree. Students who have completed post-high school study at public or private vocational education institutions should inquire at the General College Student Personnel Office, 10 Nicholson Hall, about the possibility of receiving degree credit for this work.

The associate in arts degree is granted for 2 years of work (90 credits) and satisfactory performance on a comprehensive examination.

The General College also accepts a limited number of students seeking to follow special courses of study which extend into third- and fourth-year work at the University, and which may culminate in a baccalaureate degree. Students wishing to submit proposals for courses of study extending beyond the first 2 years of college should make inquiry at the Office of the Dean, 106 Nicholson Hall.

College of Liberal Arts

Students who enroll at the University properly expect their education experience to strengthen their understanding of the world and their fellow men, to broaden their enjoyment of literature and the arts, to refine their choices between the honest and good and the fraudulent and mean, to develop their sense of responsibility for improvement of the human condition—objectives commonly associated with the concept "liberal education." These goals go side by side with preparation for careers; they are vital parts of the education of young men and women for the lives they hope to lead.

No two College of Liberal Arts students follow exactly the same path in reaching their objectives. But all combine work in the humanities, the social

sciences, and the natural sciences (the term includes mathematics) with concentration in selected areas—"majors"—chosen from the many specialized departments in the Arts College.

Degrees—Three degrees (4-year bachelor of arts and bachelor of fine arts degrees and the 2-year associate in liberal arts degree) are offered by the college.

The Bachelor of Arts Degree—This 4-year program, the one most widely selected in the college, combines broad general education with concentrated major work in one (or sometimes two) of the areas listed below. The Arts College provides two routes toward the B.A., the difference being in the amount of foreign language study included. Majors are available in these fields:

Afro-American Studies, American Indian studies, American studies, anthropology, architecture, art history, biology, biostatistics, chemistry, child psychology, communication disorders, East Asian languages, economics, English, French, geography, geology-geophysics, German, Greek, history, humanities, international relations, journalism and mass communication, Latin-American studies, linguistics, mathematics, microbiology, Middle Eastern languages, music, philosophy, physics, physics and astronomy, physiology, political science, Portuguese, psychology, Slavic and East European languages (including Russian), Scandinavian languages, South Asian languages, sociology, social welfare, Spanish, speech-communication, statistics, studio arts, theatre arts, pre-theology, urban studies.

Students who do not find among these fields majors suitable to their interests and capabilities may plan interdepartmental programs. Such a program, tailor-made for the individual student, crosses departmental lines to bring work in different areas into a planned curriculum.

The Bachelor of Fine Arts Degree—This 4-year degree provides professional education for talented students of marked ability who anticipate careers in theatre, art, or music. Its breadth provides its students opportunity for general background as a base for concentration to prepare them to become practicing artists, performing musicians, or professionals or teachers in community or commercial theatre.

The 2-Year Associate in Liberal Arts Degree—This degree recognizes successful completion of 2-years' work in the Arts College, whether students continue or not. It ordinarily requires completion of 90 credits in 6 or 7 quarters of residence, with specific distribution of work in the fields of study usually considered necessary to liberal education. Hundreds of freshman and sophomore courses are available for selection.

Interdepartmental and Special Opportunities—Students who do not find among these degree opportunities the particular curriculum patterns appropriate to their interests and capabilities may plan interdepartmental programs. These programs, tailor made for individuals, cross departmental lines to bring work from different areas into planned degree patterns. The Arts College maintains an Office of Special Learning Opportunities to aid in planning such programs and to inform students of other special study possibilities—*independent study, credit by examination, directed study, and others.*

Combined and Preprofessional Programs—In cooperation with other University colleges, the Arts College offers a 7- to 8-year program in *arts and medicine* leading to B.A. and M.D. degrees; a 7-year course in *arts and dentistry* leading to B.A. and D.D.S. degrees; a 6-year course in *arts and architecture* leading to B.A. and B.Arch. degrees; and a course of about 4½ years in *arts and education* leading to B.A. and B.S. in education degrees.

Preparation for entering Graduate School is offered in the fields listed above, in public affairs, in library science, and in social work. A professional undergraduate major, as well as graduate degrees, is available in journalism and mass communication.

Basic liberal education required for admission to some of the University's professional schools and colleges (1-3 years) is offered by the Arts College. These units are the Medical, Law, Dentistry, Business Administration, and Nursing Schools and the Colleges of Pharmacy, Biological Sciences, and Education (exception for students applying for programs in physical education and recreation programs). Liberal arts preparatory work is also required for programs in medical technology and occupational and physical therapy.

Honors Opportunities—The Arts College offers special opportunities for the best-qualified and most highly motivated students: special advisers, honors sections and courses, colloquia and seminars, independent study, admission to advanced courses, opportunities to attend artistic events, and to contribute to community activities. Outstanding students may thus combine the University's range and diversity with the intimacy and individual attention of a small unit of the college—the best of bigness and smallness. Many qualified new freshmen are invited to apply for honors programs, but top ranking high school seniors may initiate inquiry if they wish. Transfer students must present and hold B averages for admission to and continuation in honors programs.

Institute of Technology

The Institute of Technology offers various programs leading to the Bachelor's degree in its several departments and schools. The departments and schools and the degree curricula they offer are tabulated below.

Department of Aerospace Engineering and Mechanics
Department of Agricultural Engineering
Department of Chemical Engineering and Materials Science
Department of Chemistry
Department of Civil and Mineral Engineering
Department of Computer, Information, and Control Sciences
Department of Electrical Engineering
Department of Mechanical Engineering
School of Architecture and Landscape Architecture
Architecture
Landscape Architecture
Environmental Design
School of Earth Sciences
Geology
Geophysics
School of Mathematics
School of Physics and Astronomy

All programs in the Institute of Technology are 4-year programs, with the exception of those offered by the School of Architecture and Landscape Architecture. The School of Architecture and Landscape Architecture offers a 5-year program in IT, and a 6-year program in cooperation with the College of Liberal Arts.

Engineering intern programs in aerospace engineering and mechanics, agricultural engineering, and mechanical engineering providing practical

work experience in conjunction with regular classes and laboratory work are available through cooperation with nearby industrial concerns. During part of their collegiate programs, students in the intern curriculum are on a 12-month basis and spend alternate quarters in industry. While on the work assignments students are paid at regular rates by the company.

An industrial engineering option is available to students in mechanical engineering.

Also offered are combined curricula with the Graduate School, the Law School, and the College of Education. In some cases this may lead to two degrees.

The Institute of Technology divides its undergraduate curricula into a Lower Division and an Upper Division. Upon satisfactory completion of the requirements of the Lower Division, a student may, upon application, be awarded a certificate in science.

For further information regarding these various programs see the *Institute of Technology Bulletin*.

University of Minnesota, Duluth

Seven degrees are available at the Duluth Campus—the bachelor of arts (B.A.); the bachelor of accounting (B.Ac.); the bachelor of business administration (B.B.A.); the bachelor of science (B.S.); the associate in arts (A.A.); the master of science (M.S.); and the master of arts (M.A.). The Specialist Certificate in education may be obtained also. Preprofessional programs for transfer to other campuses are available.

The M.A. degree is available under Plan B (no thesis) in art, in education (elementary-secondary), in educational administration, in educational psychology (guidance), in history, or in English. It has been authorized by the Graduate School and is an integral part of the graduate program offered by the University. A history major is also available under a Plan A program.

The M.S. degree with majors in biology, botany, zoology, chemistry (analytical, biochemistry, inorganic, organic, and physical), geology, and physics are available under Plan A. The biology and geology majors are available under the Plan B program.

Specialist Certificate is a 2-year program in the fields of elementary, secondary, and general school administration which leads to the certificate Specialist in Education.

Four-year courses leading to a Bachelor's degree offer 33 majors in accounting, art, biology, business administration, business education, chemistry, distributive education, earth science, economics, elementary education, English, French, general science, primary education, mathematics, music, philosophy, physical education for men and women, physics, political science, psychology, social science, sociology, Spanish, speech, speech pathology and audiology, and urban studies. Minors in aerospace studies, art history, communication, driver and safety education, humanities, recreation, school health education, science, and special education also are offered. Students planning to teach in the secondary schools combine specific courses in education with the major chosen.

The 2-year course leading to the associate in arts degree is a liberal education program in which each student, in consultation with an adviser, chooses courses to fit his own individual needs.

Preprofessional courses, designed to meet requirements of professional schools, are available in the fields of agriculture, agricultural education,

dentistry, engineering, fishery and wildlife management, forestry, journalism, law, medical technology, medicine, nursing, occupational therapy, pharmacy, physical therapy, social work, theology, and veterinary medicine.

University of Minnesota, Morris

The ability to read perceptively and, in turn, to communicate what one thinks and feels with clarity, coherence, and force; the ability to read and speak a foreign language; an understanding of the materials, methods, and purposes of scientists, historians, mathematicians, artists, critics, philosophers, and social scientists; and relative expertness in a single area of study, a major, are the broad objectives of the University of Minnesota, Morris curriculum in liberal education.

The introduction of the Seminar Honors Program, an alternate grading system that encourages broad intellectual experiences, expanding possibilities for undergraduate research, a developing program of tutorial instruction, a continued emphasis on individual counseling (both by the counseling staff and faculty), the opportunity for excellent student-faculty rapport, and a small campus conducive to the establishment of a community of scholars with unlimited social, cultural, and academic development combine to maximize the student's opportunity to obtain a quality liberal education.

Opportunity is provided for each student to participate in many varied extracurricular activities such as vocal and instrumental music groups; drama, art, radio, political, and service clubs; religious organizations; student publications; fraternities, sororities, and student government activities; intramural and intercollegiate athletics.

The bachelor of arts (B.A.) degree—a 4-year curriculum leading to the bachelor of arts degree with majors in art, biology, chemistry, economics, elementary education, English, French, German, history, mathematics, music, philosophy, physical education, physics, political science, psychology, sociology, Spanish, and speech and theatre arts—is available. Morris Campus also offers fully accredited programs leading to certification in elementary and secondary education. Preprofessional training in more than 20 areas such as journalism, nursing, etc., is also available.

University of Minnesota Technical College, Crookston

The Technical College at Crookston offers a 2-year collegiate experience leading to the associate in applied science degree in various career programs of agriculture, business, and hotel, restaurant, and institutional management. The Business Division offers majors in accounting, business administration, marketing, and the executive, legal, and medical secretarial fields. The Agriculture Division offers majors in agricultural business administration, agricultural engineering technology, agricultural production, and agricultural technologies. The Hotel, Restaurant, and Institutional Management Division awards the associate in applied science degree to those completing the major in this field. A core of general education courses supplements each technical curriculum to provide a balanced educational experience.

Graduates from an accredited high school who have taken the ACT test will be considered for admission. Additional information can be obtained from the Office of Admissions and Financial Aid, University of Minnesota Technical College, Crookston, Minnesota 56716.

University of Minnesota Technical College, Waseca

The purpose of the University of Minnesota Technical College, Waseca is to prepare students for semiprofessional positions in the broad fields related to agriculture. The associate of applied science degree is awarded to students completing course requirements.

The curriculum includes approximately one-third general education courses and two-thirds technical courses. The programs being offered include agricultural production, agricultural industries and services, agricultural business, horticultural technology, food technology, and home and family services.

Programs Requiring Previous College Work

Pages 23-32 present University degree programs for which preparatory work is necessary. For complete information you should refer to the bulletin of the appropriate school or college.

College of Biological Sciences

The College of Biological Sciences was established in 1965 and graduated its first students in 1967. It has as its primary purpose the education of students aiming at careers in the biological sciences. Undergraduate curricula of the college which lead to the Bachelor's degree are designed to assure that the student obtains a liberal education at the same time that he gains a thorough appreciation of the structure of contemporary biological thought. Upon graduation, the student with such a background is well qualified to seek immediate employment, pursue graduate studies in the biological sciences, or enter professional schools of medical and agricultural sciences.

Students enter the College of Biological Sciences at the completion of their sophomore year and, therefore, must have met the requirements of the college in which they were enrolled for their Lower Division (freshman and sophomore) work. However, it is strongly recommended that students who wish to be a degree candidate in biology obtain a background in mathematics, physics, chemistry, and biology as early as it can be scheduled.

Even though students do not register in the College of Biological Sciences for their Lower Division work, as soon as they indicate an interest in biology on their schedules, they are assigned to a professor in the biological sciences to advise them.

Programs at the graduate level permit the student to pursue both the M.S. and Ph.D. degrees in biology, biochemistry, botany, ecology, genetics, and zoology. The Ph.D. in biology is most often applied for by those students who wish to study in interdisciplinary fields for which degree programs have not been delineated, such as molecular biology, cell biology, developmental biology, and behavioral biology.

School of Business Administration

The School of Business Administration offers basic professional training for positions of responsibility in business. Emphasis in the curriculum is on thorough intellectual education in which fundamental principles of business operation are stressed, rather than specialization in current practices.

The school offers a 2-year program for the junior and senior years. Admission is based on satisfactory completion of a 2-year prebusiness program.

Two degree programs are offered by the school (bachelor of science in business/regular; bachelor of science in business/accounting). The bachelor of science in business/regular program (B.S.B./Regular) includes a "core" of courses in economics, business functions, management, and quantitative analysis. During the senior year the student takes elective courses to provide depth within areas of his interest, plus additional electives outside the School of Business Administration. Business areas of limited specialization include production management, quantitative analysis, industrial relations, insurance, transportation and logistics, accounting, finance, marketing, and business law. The bachelor of science in business/accounting program (B.S.B./Accounting) includes the same core courses, but provides substantial depth in various areas of accounting theory and practice. All course work for either of the B.S.B. programs may be taken in either day or evening classes.

A combined program leading to a degree in agricultural business administration is offered by the College of Agriculture. This program is described in the *School of Business Administration Bulletin*.

Professional programs at the graduate level which are directly or indirectly related to business administration are: the master of business administration, the master of science in business, the master of science in management information systems, and the master of arts in industrial relations. These and other graduate degrees are offered by the Graduate School of the University.

For further information regarding programs and admission to the School of Business Administration see the *School of Business Administration Bulletin*.

School of Dentistry

Dentistry Program—A minimum of 2 years of pre dental course work in an accredited liberal arts college is required for admission to the 4-year program leading to the doctor of dental surgery (D.D.S.) degree but 3 or more years of liberal arts study are preferred. A grade average of C or higher is required and must include at least 12 quarter credits of English, 10 quarter credits of general zoology or general biology, 12 quarter credits of physics, 12 quarter credits of general chemistry, and 8 quarter credits of organic chemistry to include both the aliphatic and aromatic series. The science courses must include both lectures and laboratory work. Applicants are required to demonstrate by college validation or college credit a background in mathematics at least through college algebra. In addition, a dental aptitude examination is required of all applicants. Further details concerning entrance requirements and suggestions regarding appropriate elective courses can be found in the *School of Dentistry Bulletin*.

Continuation Study Program—The School of Dentistry regularly offers a series of continuation courses in various phases of dentistry and dental assisting and dental hygiene. These courses are intended to meet the needs of the profession for special material not covered in the undergraduate curriculum and in new developments in research and clinical procedures. Sessions usually are 3 days to 1 week in duration, and in many areas clinical practice is included. Special brochures listing courses, dates, and costs are available to those requesting that their names be placed on the mailing list.

Inquiries should be mailed to Robert D. Jeronimus, Director, Department of Continuing Dental Education, School of Dentistry, University of Minnesota, Minneapolis, Minnesota 55455.

College of Education

The College of Education offers programs leading to the bachelor of science and master of education degrees and certification as a public elementary or secondary school teacher in Minnesota.

Teacher education programs have been established at the University of Minnesota, Morris; the University of Minnesota, Duluth; and the College of Education in Minneapolis leading to state certification in elementary and secondary education.

Students who wish to prepare for teaching in art, business, distributive, industrial, and music education register in the College of Liberal Arts for 1 year before transferring to the College of Education.

Students wishing to become elementary or kindergarten teachers enter the College of Liberal Arts where they complete a 2-year preparatory curriculum before applying for transfer to the College of Education. Due to enrollment limitations, the Admissions Committee cannot accept all applicants who meet minimum requirements.

Students wishing to teach in any academic field in junior and senior high schools register for their first 2 years in the College of Liberal Arts. They complete the required prerequisite courses for their academic majors as well as work in general education. Upon completing this preparatory study, students apply for transfer to the College of Education. Due to enrollment limitations within the college, the Admissions Committee cannot accept all candidates who complete the pre-education curriculum.

Majors in agricultural education and home economics education register in the College of Agriculture and the College of Home Economics for their first 2 years of work and then enter a combined program with the College of Education leading to the Bachelor's degree.

Some students follow combined programs with the College of Liberal Arts in which they complete the requirements of both colleges and receive baccalaureate degrees from both. Other special programs exist between the College of Education and the Institute of Technology, completion of which results in a Bachelor's degree from the Institute of Technology and a master of education degree from the College of Education.

Master of education degrees, involving a fifth year of professional study, are offered in agricultural education, art education, home economics education, mathematics education, music education, physical education for men and women, and recreational leadership. Students in these and in other areas may also wish to inquire about programs in the Graduate School.

Advanced programs are available for administrative, supervisory, counseling, and research positions and for the various psychological services in schools and colleges. Such programs lead to the master of arts and doctor of philosophy degrees or to the specialist certificate. The programs are administered by the Graduate School.

Graduate School

Persons who hold a Bachelor's degree or its equivalent from a recognized college or university may apply for admission to the Graduate School for work leading to the Master's and Ph.D. (doctor of philosophy), and Ed.D. (doctor of education) degrees. The Graduate School also offers the specialist certificate in a number of fields. (See the *Graduate School Bulletin* for statements of the requirements in the many areas in which advanced degrees are offered.)

Graduate programs leading to the Master's degree in several disciplines and to the specialist certificate in educational administration are also available at Duluth (see University of Minnesota, Duluth, page 21).

Requests for application materials for all graduate programs must be sent to the Graduate School, 322 Johnston Hall, Minneapolis, Minnesota 55455, and should specify the proposed major field, except for the Duluth Campus, where application materials may be obtained by writing the Graduate School, Administration Building, University of Minnesota, Duluth, Duluth, Minnesota 55812.

Law School

The Law School offers the professional degree of juris doctor (J.D.). The course of study provides the basic preparation for the practice of law, for public service in law, for law teaching, and for law-related corporate work. The J.D. program consists of 3 academic years.

Admission to the Law School requires a bachelor of arts degree or its equivalent. The degrees of bachelor of science and bachelor of business administration with a well-balanced program will be accepted as the equivalent of a B.A. degree.

Details with respect to admission, requirements generally, and the Law School may be found in the *Law School Bulletin*. Attention is directed to the fact that a student's prelaw scholastic record and the results of the Law School Admission Test given by the Educational Testing Service at Princeton, New Jersey, will be considered in determining his admissibility.

Medical School

Course in Medicine—This program of study leads to the degree doctor of medicine (M.D.), and provides basic preparation for the practice of medicine, for public health service, for medical teaching, and for medical research. The course requires at least 3 years of preparatory college work and 4 years in the Medical School.

Although 3 years of liberal arts and science education constitutes the minimum required for admission to the Medical School, the Admissions Committee gives preference to candidates with broad and strong undergraduate preparation. A thorough general education is of great value in the development of a physician and the equivalent of 4 academic years of liberal arts preparation, with a B.A. or B.S. degree program, is considered preferable to 3 years. The *Medical School Bulletin* gives details of entrance requirements, suggests appropriate course sequences, and outlines application procedures. Students interested in medicine are also encouraged to consult the annual "Admission Requirements" book of the Association of American Medical Colleges of counseling personnel in the Medical School office (1305 Mayo Memorial Building).

Medical Technology Course—This course, 4 years leading to a B.S. degree, provides basic preparation for work in clinical and research laboratory procedures used in hospitals, clinics, physicians' offices, and for teaching in training programs for medical technologists.

After 2 years in the Arts College, the student transfers to medical technology to complete the requirements in advanced science courses and clinical experience in hematology, microbiology, blood banking procedures, and chemical analyses of blood and other body fluids.

This course is approved by the Council on Medical Education of the American Medical Association. Graduates are eligible for certification by the Registry of Medical Technologists (ASCP) and for membership in the American Society of Medical Technologists.

Physical Therapy Course—This 4-year curriculum, open to both men and women students, leads to a B.S. degree. Physical therapy is a health profession which focuses primarily on the selection and application of appropriate assessment and therapeutic procedures to maintain, improve, or restore the functional capacities of the individual whose health is impaired or threatened by disease or injury. Methods of assessment include tests to assist in diagnosis, and to determine the degree of impairment of relevant aspects such as muscle strength, motor development, respiratory efficiency, and activities of daily living. Therapeutic procedures include exercises for increasing strength, endurance, coordination, and range of motion; stimuli to facilitate motor activity and motor learning; and application of physical agents such as heat or cold.

After 2 years of Arts College work, the student must make application to enter the professional program in the Medical School, Department of Physical Medicine and Rehabilitation. Professional courses include theory and application of physical therapy procedures as well as 4½ months devoted to clinical experience in physical therapy departments affiliated with the University. The program is approved by the Council on Medical Education of the American Medical Association and the American Physical Therapy Association. Graduates are eligible for registration with the Minnesota State Board of Medical Examiners and members in the national professional organization.

Occupational Therapy Course—In collaboration with other health professionals, graduates of this curriculum are qualified to use purposeful activities as treatment in the rehabilitation of persons with physical or emotional disability. The program is open to both men and women. Personal qualifications include creativity, ingenuity, and an interest in human behavior, medicine, helping others, and teaching. Therapists work in rehabilitation centers, psychiatric hospitals, children's hospitals, general hospitals, schools, and other community-based and health-oriented programs. After 2 years in the College of Liberal Arts, the student transfers to the professional course in the Medical School where 8 months of clinical practice are required during the senior year. This 4½-year course, which includes summer sessions, leads to a B.S. degree and is approved by the Council on Medical Education of the American Medical Association and by the American Occupational Therapy Association.

Continuation Study Program—A series of postgraduate courses are offered to give the physician and his associates in allied health fields the opportunity to keep abreast of the latest developments in their professions.

The courses, which last from 1 day to 2 weeks, are administered by the Department of Conferences and Institutes of the General Extension Division, and the executive director of the Office of Postgraduate Educational Activi-

ties. The courses include continuation study opportunities for general practitioners and specialists in the areas of pediatrics, dermatology, radiology, ophthalmology, otolaryngology, obstetrics and gynecology, psychiatry, neurology, internal medicine, proctology, surgery, anesthesiology, and other medical subjects. Courses are also available in hospital administration, medical technology, dietics, public health, and nursing education.

Department of Mortuary Science

Successful completion of this 4-year curriculum (2 years preprofessional and 2 years professional) leads to a bachelor of science degree with a major in mortuary science.

Students recommended for the degree must satisfy the following requirements:

1. Minimum Credits—180
2. Completion of the freshman and sophomore liberal education requirements in the categories of Communications, Languages, and Symbolic Systems; Physical and Biological Sciences; Man and Society; and Artistic Expression for a total of 90 quarter credits. Refer to the specific requirements in each area listed in the *Mortuary Science Bulletin*.
3. Completion of the basic core curriculum in mortuary science.
4. Completion of a minimum of 15 quarter credits in Upper Division courses other than department courses.
5. A grade point average of at least 2.00 (C) computed in each of the following ways: (a) in all work presented from the University and in toto, (b) in all work done while in the Department of Mortuary Science, and (c) in all courses in mortuary science.

For further information the student should write to the Department of Mortuary Science or consult departmental advisers in the Mortuary Science office, 114 Vincent Hall (telephone 373-3870).

School of Nursing

Baccalaureate Programs—The professional nursing program requires successful completion of 13 quarters of college study to earn the degree of bachelor of science in nursing. The program prepares for the practice of professional nursing in first-level positions, and provides foundations requisite to enabling graduates to gain additional understanding and proficiency through postbaccalaureate study and informed participation in nursing care.

Students who have had no prior preparation in nursing as well as qualified graduates of preparatory programs in nursing that have led to a diploma or an associate degree are admitted for baccalaureate study. The first 3 quarters (1 academic year) of study in this program may be taken in the College of Liberal Arts of the University or at any approved college offering the necessary courses. The *School of Nursing Bulletin* gives details of entrance requirements, application procedures, and courses.

After admission to the School of Nursing, the required courses are offered in sequence beginning fall quarter. At a minimum, 3 academic years plus a summer of study are required for completion. Students pursue concurrent general and professional education. In general, transfer credits for nursing courses taken elsewhere will not be granted toward specific requirements of this degree. The *School of Nursing Bulletin* gives details of entrance requirements, application procedures, and courses.

Master of Science Program in Nursing—This is a Plan B Master's program offered by the Graduate School. Upon successful completion of re-

quirements, candidates receive a master of science degree. The program provides a major in either medical-surgical or psychiatric nursing together with the option of preparation for teaching or clinical leadership. Approved applicants are admitted fall quarter of each year. Completion of the program requires 2 academic years of study. Further information is available from the School of Nursing.

College of Pharmacy

The B.S. in pharmacy degree is awarded for 5 years of study, of which the first or "pre-pharmacy" year of prescribed courses (see *College of Pharmacy Bulletin*) must be completed in the College of Liberal Arts or other accredited college. Upon completion of the "pre-pharmacy" year the student applies for admission to the College of Pharmacy to complete 4 years of professional study. Students who have completed 2 or more years of collegiate study may apply for admission to a 3-year program in the College of Pharmacy. To be eligible for the 3-year program the student must have completed all courses of the "pre-pharmacy" year AND courses in physics, biology (or zoology and botany), organic chemistry, economics, and some elective courses as described in the *College of Pharmacy Bulletin*.

School of Public Health

Advanced courses for specialists in a number of public health fields lead to Master's or Ph.D. degrees. Liberal training stipends for suitably qualified students are available through the School of Public Health in all of the following fields.

Biometry—Students with suitable academic background may earn the M.P.H. degree in biometry through completion of a 12-month program, beginning with the first term of the Summer Session, with emphasis on health statistics. Students with interest in mathematics and biology may work toward an M.S. or Ph.D. in biometry specializing in biomedical statistics, mathematical biology, or health computer science. A satisfactory background for all biometry programs generally includes mathematics, preferably through integral calculus; the social sciences and the natural sciences, particularly biology.

Dental Public Health—An 11-month program leading to the M.P.H. degree is designed to prepare a select group of dentists for responsible involvement and leadership roles in comprehensive community health programs. The program of study allows a student to concentrate on areas of personal interest in preparation for a career in research, administration, or teaching.

Epidemiology—Students with adequate background in the biological and physical sciences may work toward a Master's degree in epidemiology. Specialized training leading to the degree of Ph.D. is competitively available to qualified graduates in medicine, dentistry, and veterinary medicine. Other students with demonstrated competence in investigative work may also be admitted.

Environmental Health—A year or more of graduate work in environmental health, open to graduates of curricula in engineering, or physical or biological sciences, who possess suitable experience and wish to work in public health programs, leads to the M.P.H. degree. Qualified students with or with-

out prior public health experience may also work toward an M.S. or Ph.D. in environmental health. There are opportunities to specialize in the usual areas of environmental health as well as in accident prevention, air pollution, hospital engineering, environmental biology, and radiological health.

Health Education—College graduates who have an adequate background in basic health sciences, education, and social sciences, and suitable experience in public health or a related field, can earn the M.P.H. by 4 quarters or more of work in community health education. The course combines academic work, concurrent community laboratory experience, and field practice in community agencies.

Hospital and Health Care Administration—A 21-month program leads college graduates to a degree of master of hospital administration. In addition to Master's level academic work of preparation for chief executive officer positions in acute general hospitals, there are opportunities for qualified applicants to specialize in other areas of health services administration such as mental health administration or long-term care (nursing home) administration. The program usually requires 1 academic year and the first summer term of formal instruction. In most cases, the remaining time is spent in a hospital or other health services organization as an administrative resident. Students interested in comprehensive health planning will spend 2 academic years and 1 summer session on campus with the summer practicum in a health care or planning organization. Suitable qualified students interested in other health administrative careers may follow a similar training program. A limited number of qualified applicants is also selected who may take the required academic work over a longer period of time while remaining employed full or part time. Suitably qualified students may continue their studies toward a Ph.D. degree.

Maternal and Child Health—Physicians and dentists interested in working in community health programs for young children, youths, and their parents may enroll in a 9- or 11-month course of study leading to an M.P.H. degree.

Physical Therapy—Students with a professional background in physical therapy and 2 years' experience are admitted to a 12-month program developed in collaboration with the Department of Physical Medicine and Rehabilitation and leading to a Master's degree.

Public Health Administration—A year or more of graduate work in public health theory and practice, open to physicians, dentists, and veterinarians, leads to the M.P.H. degree. Special emphasis in maternal and child health is available.

Public Health Nursing—Baccalaureate graduates in nursing who wish advanced preparation in public health nursing and who meet entrance requirements are admitted to programs leading to either the master of public health or master of science degree. The M.P.H. program is intended for nurses whose main interest is in administrative, consultant, or senior supervisory positions. The M.S. programs with public health as the area of concentration offer opportunity for study in related fields and are designed to prepare nurses for advanced practice or for a variety of leadership positions, including teaching public health nursing in a collegiate school of nursing. Mental health is an integral part of the public health nursing core content. Clinical subspecialty areas are available in long-term patient care, school nursing, and in ambulatory child health care. All programs for public health nursing are 2 academic years in length.

Public Health Nutrition—Students with a professional background in nutrition, dietetics, or related fields are admitted to a 12-month program leading to the M.P.H. degree. Prior experience in institutional or community nutrition programs is not required but is highly desirable.

Veterinary Public Health—An 11-month program of specialized training for veterinarians leading to an M.P.H. degree is offered in cooperation with the faculty of the College of Veterinary Medicine. One year of experience in veterinary medicine is desirable. In addition to core courses, areas of special interest may be emphasized.

University College

This college draws from the entire University for its courses. It has no fixed curriculum. Its purpose is to provide flexibility in the educational program of the undergraduate who finds none of the standard curricula of the other schools and colleges suited to his interests or particular objectives. Such a student, with the approval of an advisory committee, may arrange a study program including suitable amounts of work in two or more schools or colleges to fit his individual needs. Upon completing this approved program, he is granted either a B.A. or a B.S. degree. An applicant for admission should be at least a third-quarter sophomore who has completed at least 1 full quarter, or its equivalent, at the University of Minnesota.

University College also makes available to students from every undergraduate college in the University an opportunity for off-campus independent study. A student may earn from 3 to 15 degree credits by registering for independent study projects under UC 3-075. The student designs his own project and works with an appropriate faculty member who supervises and evaluates the project.

Another opportunity for involvement in interdisciplinary educational experiences is available through the Living-Learning Center (1425 University Avenue S.E.). The center is a service unit of University College designed to assist students, faculty, and community persons, individually or as small groups, to develop and carry out off-campus field study projects.

In June of 1970, the University Senate authorized the operation of experimental pilot programs of collegiate scope through University College.

Information about University College is available through a bulletin of the college or at the University College office, 106 Nicholson Hall, University of Minnesota, Minneapolis, Minnesota 55455.

College of Veterinary Medicine

Veterinary Medical Program—The program of study offered by this college leads to the degree of doctor of veterinary medicine (D.V.M.) and provides basic education and knowledge for career opportunities in the practice of large and small animal medicine, teaching, research, public health service and animal disease control activities, the armed services, laboratory animal medicine, and other general areas of interest. The program of education for veterinary medicine requires at least 2 years of preprofessional college education in a specified area, in addition to 4 years of professional education in the College of Veterinary Medicine.

Students interested in veterinary medicine are encouraged to write to the Office of Admissions and Records, 130 Coffey Hall, University of Minnesota,

St. Paul, Minnesota 55101, or Office of the Dean, College of Veterinary Medicine, University of Minnesota, St. Paul, Minnesota 55101 for the *College of Veterinary Medicine Bulletin* which outlines entrance requirements, the minimum preveterinary medical course requirements, and application procedures.

Students may take their preprofessional program at any accredited institution which offers the required courses. Faculty advising will be provided by the College of Veterinary Medicine for pre-veterinary medical students enrolled in the College of Agriculture. Additional course work beyond the minimum requirements for admission may provide a better preparation for the development of an individual toward his professional goal. Inquiries for special information should be addressed to the Office of the Dean, College of Veterinary Medicine.

Continuation Study Program—The continuing education program offers a series of courses and programs intended to provide the most recent developments in the several areas of veterinary medicine and to meet the needs of the profession for additional information concerning areas of special interest. Special brochures and announcements, listing courses, dates, and costs, are available to those veterinarians requesting that their names be placed on the mailing list. Inquiries should be addressed to the Office of the Dean, College of Veterinary Medicine, University of Minnesota, St. Paul, Minnesota 55101.

Other Study Opportunities in the University

General Extension Division

Evening, Special, and Off-Campus Classes—Evening and week-end classes are available on the Twin Cities, Duluth, Morris, and Crookston Campuses, at centers in Minneapolis, St. Paul, and the metropolitan suburbs, at Rochester, and at other communities in the state. They are college level, carry resident credit, and include many of the regular University subjects, as well as special courses designed to meet specific needs or interests. There are no general admission requirements; courses are open to anyone who, through education, experience, or maturity, is able to handle college work. There are specific admission requirements for University degree programs, some of which can be completed entirely in evening classes. Address: 57 Nicholson Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3195.

Independent (Correspondence) Study—High school, college, and general courses are offered through home study and may be used for University degrees or certificates, or for occupational or personal interests. Limitations on the amount of degree credit allowed for independent work vary with the degree concerned. Correspondence courses may be started at any time and are open to anyone, no matter where he lives. Address: 251 Nicholson Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3256.

Counseling—Counseling and advising services are offered without fee, to present or potential Extension students. Questions about procedures for working toward educational objectives through Extension should be directed to the counseling office. Address: 314 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3905.

Neighborhood Seminars—Any group of 16 or more adults, wishing to pursue a serious course of study and discussion, may receive help. A neighborhood seminar usually meets once a week for about 8 weeks and can be held in a home, church, or school convenient for the participants. Although conducted by faculty members, no credit is given. Address: 138 Wesbrook Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-5166.

Conferences and Institutes—This department develops and offers short courses and conferences at an advanced level in professional, business, and industrial fields. The conferences may last from a few days to several weeks and are usually residential. They may be held on the campus or elsewhere. Address: 131 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3151.

Continuing Education—In major areas of inquiry, Extension departments offer specialized programs in continuing education. Departments of the General Extension Division and their addresses are:

- Arts Advisory Service*, 320 Wesbrook Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-4947.
- Audio-Visual Extension*, 2037 University Avenue S.E., University of Minnesota, Minneapolis, Minnesota; telephone 373-3810.
- Civil Defense Education*, 1633 Eustis Street, University of Minnesota, St. Paul, Minnesota 55108; telephone 373-4851.
- Conferences and Institutes*, 136 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minnesota; telephone 373-3151.
- Continuation Medical Education*, 5417 Powell Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-8024.
- Continuing Education in Art*, 317 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-5147.
- Continuing Business Education*, 1235C Business Administration Building, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3680.
- Continuing Education in Dentistry*, 4 Owre Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-7960.
- Continuing Education in Engineering and Science*, 210 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-5057.
- Continuing Education in Music*, MacPhail Center for the Performing Arts, 1128 LaSalle Avenue, Minneapolis, Minnesota 55403; telephone 373-4424.
- Continuing Education in Social Work*, 321 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-4607 or 373-5831.
- Continuing Education in Urban Affairs*, 3300 University Avenue S.E., University of Minnesota, Minneapolis, Minnesota 55414; telephone 373-3709.
- Continuing Education for Women*, 138 Wesbrook Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-9743.
- Continuing Legal Education*, 338 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-5386.
- Continuing Education in Pharmacy*, 118 Appleby Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-2186.
- Duluth Conferences and Institutes*, Laboratory School, University of Minnesota, Duluth, Duluth, Minnesota 55812; telephone (218) 726-7244.
- Duluth Evening Programs*, Laboratory School, University of Minnesota, Duluth, Duluth, Minnesota 55812; telephone (218) 726-8113.
- Independent Study*, 252 Nicholson Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3256.
- Indian Upward Bound*, 720 Washington Avenue S.E., University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3187.
- Labor Education Service*, 417 Business Administration Building, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3662.
- Morris Extension Programs*, 200d Edson Hall, University of Minnesota, Morris, Minnesota 56267; telephone (612) 589-1464.

Municipal Reference Bureau, 3300 University Avenue S.E., University of Minnesota, Minneapolis, Minnesota 55414; telephone 373-9992.

Parent and Family Life Education, 211 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3685.

Radio and Television, 1 Eddy Hall, University of Minnesota, Minneapolis, Minnesota 55455; telephone 373-3177.

Rochester Extension Programs, 2120 E. Center Street, Building 4, Rochester, Minnesota 55901; telephone (507) 288-4584.

St. Paul General Extension Center, 192 W. Ninth Street, St. Paul, Minnesota 55102; telephone 222-7355.

World Affairs Center, 3300 University Avenue S.E., University of Minnesota, Minneapolis, Minnesota 55414; telephone 373-3799.

Reserve Officers' Training Corps

The Reserve Officers' Training Program gives college male students an opportunity to qualify for commissions in one of the services—Army, Navy, Air Force, and Marine Corps. Student eligibility for the ROTC program includes registration in academic courses leading toward degrees, United States citizenship, and physical and academic qualifications. Competitive scholarships are available to students enrolled in a 4-year ROTC curriculum as well as to outstanding high school students. Students interested in the specific requisite qualifications and curriculum of each service are referred to the *Army-Navy-Air Force ROTC Bulletin*. An Air Force ROTC program is also offered at the Duluth Campus.

Summer Session

Two terms of regular University courses are offered each summer. A maximum of 9 credits or two 5-credit courses is considered a full program for either term. A full quarter's work can be completed in 2 summer terms.

Most major divisions of the University offer summer courses.

Courses are offered in Minneapolis, St. Paul, Duluth, Morris, Crookston, and at the Forestry and Biological Station in Itasca State Park.

SPECIAL SERVICES FOR STUDENTS

Veteran, War Orphan, and Selective Service Information

Chapter 34 (New G.I. Bill)

If you have served in the Armed Forces of the United States since January 31, 1955, you may be eligible for educational benefits under Chapter 34, the "New G.I. Bill."

Your first contact should be with the Veterans Administration where you may obtain applications, determine eligibility and entitlement, and obtain counseling if necessary.

Public Law 634 and 361 War Orphans

If you are the son or daughter of a person who died or was totally and permanently disabled due to injury or disease incurred or aggravated in the line of duty in the Armed Forces during World War I, II, or the Korean Conflict, you may be eligible for educational benefits under Public Law 634, the War Orphans Educational Assistance Act of 1956, and Public Law 361.

You can obtain application blanks and additional information at the Veterans Administration. The Veterans Administration will not pay you until you make application and you should complete this before you start classes. You pay your own fees and buy your own books under these laws. Full payments for undergraduates are made for 14 credits per quarter (or more) and proportionate payments are made for smaller loads.

For both types of educational benefits do the following:

Make application to the Veterans Administration for benefits on or before your first day of classes. You won't get paid unless you do apply; you obtain a certification of eligibility from the Veterans Administration. Present the certificate and your receipted fee statement *in person* to one of the offices listed below.

If you are returning for another session, and your previous training period under one of the bills was officially interrupted, you may have to make out a re-enrollment form to notify the Veterans Administration that you wish to resume training status. Do this at one of the addresses below.

Public Law 815

If you are a veteran registering under one of these bills, you should make the appropriate office listed below your first contact with the University. These offices provide assistance to the disabled veterans with matters pertaining to registration and the interpretation of Veterans Administration regulations affecting University programs. They provide counseling and authorize textbook and supply orders for such veterans.

Offices Dealing with Veterans

1. 105 Morrill Hall, Twin Cities Campus/Minneapolis
2. 220 Coffey Hall, Twin Cities Campus/St. Paul
3. Business Office, Duluth Campus
Records Office, Duluth Campus
4. Office of Admissions and Scholarships, Morris Campus
5. Office of Records and Registration, Selvig Hall, Crookston Campus

Selective Service Certification

The University endeavors to be helpful to its students who ask deferment by their Selective Service boards for fulltime study while making satisfactory progress toward a given degree objective. Authorization for reports on attendance, assistance in making out forms, counsel on solving problems with Selective Service, or information on how Selective Service may apply to you as a student can be arranged through one of the offices listed below. It should be noted that you must have paid fees and that classes be in progress before you will be considered a student for Selective Service purposes.

Offices for Information and Help with Selective Service

1. 105 Morrill Hall, Twin Cities Campus/Minneapolis
2. 220 Coffey Hall, Twin Cities Campus/St. Paul
3. Window 1, Records Office, Administration Building, Duluth Campus
4. Office of Admissions and Scholarships, Morris Campus
5. Office of Records and Registration, Selvig Hall, Crookston Campus

Library Facilities and Services

Most of the publications which students need to consult in college, beyond the required texts used for individual courses, are available in the University's system of libraries. With nearly 3 million volumes, the University library is one of the 10 largest university research libraries in the United States. In addition to the thousands of periodicals, newspapers, and reference books used for course-related study and research, the library resources also include extensive collections of literary, historical, and biographical works for recreational reading.

General Libraries

For a great many years, the Walter Library on the Minneapolis Campus served as the "main library" headquarters for the University Library system. During 1967-68 many of its holdings, with emphasis on the social sciences and humanities, moved to the new O. Meredith Wilson Library, centrally located next to the Social Sciences and Business Administration Buildings on the West Bank. This new library contains, on open shelves, most of the books in such fields as European and American literature and history, political science, and sociology, as well as the Library's general periodical collections, and the Library's extensive holdings of maps, newspapers, and microfilms.

The Walter Library, serving the needs of East Bank patrons, provides expanded quarters for the Educational Library (including materials in psychology and in library science). It also houses a modest "college library" offering duplicate copies of books related to Lower Division and undergraduate courses, as well as a reserve book room for course-related works needed for class assignments. Many of the library's science books and more general science periodicals also are in the Walter Library.

Departmental Libraries

The library needs of students in several of the more specialized scientific and professional fields are met on the Twin Cities Campus/Minneapolis through various departmental libraries housed generally outside of the Walter Library. Among these are such separate libraries as Engineering, Law, Art, Architecture, Mathematics, Physics, Journalism, Geology, Mines and Metallurgy, Pharmacy, and Biomedical. The specialized collections for Chemistry and Music are housed as separate units within the Walter Library.

Other Libraries

On the Twin Cities Campus/St. Paul there is a central library building with collections focusing on agriculture and home economics. On this campus there are also departmental libraries with specialized collections in forestry, biochemistry, entomology, plant pathology, and veterinary medicine.

The college library on the Duluth Campus is housed in a recently expanded modern library building, with collections totaling 149,000 volumes, emphasizing liberal arts subject areas. Its resources are growing rapidly to support developing graduate programs in 12 subject areas.

On the Morris Campus a basic collection of materials, including growing holdings in periodical files and government documents, is available to support the various offerings included in the undergraduate program.

On the Crookston Campus, Learning Resources encompasses the library, audio-visual equipment, instructional television equipment, and the Reading and Study Skills program. The basic library collection emphasizes holdings in the areas of agriculture, business, and hotel, restaurant, and institutional management. Other media are also available to support the technical college curricula.

Students registered on any campus of the University may use and borrow publications from any of the collections on the Twin Cities Campus.

Minnesota Unions

Students, faculty, and staff have the opportunity to use the facilities in the Department of Minnesota Unions, which include the Coffman Memorial Union, the St. Paul Campus Student Center, the lounge in the Business Administration Building (West Bank), and the lounge and offices in Anderson Hall (West Bank).

Program consultants help individuals and groups plan and conduct a wide variety of programs. This includes art shows, billiard and bowling tournaments, dances, forums, outdoor events, student-faculty coffee hours, and a host of other activities of a student-staff interest. Meeting rooms, cafeteria, ballroom, lounges, billiard room, bowling lanes, and art craft studio are but a part of the facilities which are available. Stop at the Coffman Information Center or the Student Center offices, or 110 Anderson Hall, for directions.

Each facility and its various programming activities are directed by a student-faculty staff board. Students are encouraged to serve on planning committees and provide leadership for events. Visit the program offices for committee opportunities and information on events.

The Kirby Student Center on the Duluth Campus has similar facilities and offers a wide range of programs. At the Morris Campus there is also a program of activities in Edson Hall.

Cultural and Recreational Opportunities

Convocations

Convocation programs for students, faculty, staff, and the public usually are held in Northrop Memorial Auditorium. Between five and eight convocations are planned for the school year, and are selected by the Campus Committee on Convocations and the Arts composed of six faculty members, three students, and two ex officio members. These are primarily lectures on vital contemporary topics. Time and days may vary for the programs. The convocations are usually taped and broadcast by KUOM.

At St. Paul, Duluth, and Morris, a carefully selected program of convocations is presented at various times each quarter. Professional speakers and talent of high caliber appear.

University Gallery (Minneapolis)

The program of the University Gallery, located on the third and fourth floors of Northrop Memorial Auditorium, is planned to provide for the all-University function of meeting the broad objectives of an all-University museum, and for the in-service function of meeting the specific teaching and research needs of the Department of Art History, of which University Gallery is a part, and the Department of Studio Art.

A program of frequently changing major loan exhibitions is stressed. These are held concurrently with smaller exhibitions of works drawn from the permanent collections, those organized for specific teaching purposes, and M.F.A. thesis exhibitions. Major exhibitions at the University Gallery during the 1969-70 academic year included: Far Eastern Art from Minnesota Collections; Bonnard/Vuillard: Color Lithographs; Contemporary Drawings; Lovis Corinth: Prints and Drawings; Computer-Generated Graphics from the University of New Mexico; Works of Art from Faculty and Staff Collections; and the Hylton A. Thomas Collection.

The permanent collection consists largely of paintings, drawings, and prints by 20th-century American artists, and were given by Ione and Hudson Walker. Notable works by Dove, Feininger, Goodnough, Marin, Motherwell, Nordfeldt, and O'Keeffe are exhibited. A collection of sculpture formed through the John Rood Fund includes Baizerman, Bertioia, Hepworth, Richier, Rood, David Smith, and Tovish. Murals and sculpture by Peter Agostini, Alexander Liberman, Roy Lichtenstein, and James Rosenquist from the New York State Pavilion at the 1964 New York World's Fair, gifts of the artists, monumentally augment this collection. Collections on extended loan from Ione and Hudson Walker and Mrs. Emily Abbott Nordfeldt include major holdings in Hartley, Maurer, and B. J. O. Nordfeldt. A growing study collection of prints and drawings, problematic or representative works of all schools and periods, aids the gallery in its teaching mission.

Two loan programs are provided: a rental collection of fine original prints available to the University of Minnesota students and staff, and a loan service for public areas on the Twin Cities Campus. The student rental program is open the first week of each quarter and the other loans are arranged by appointment. For further information please inquire at the offices of the University Gallery, 316 and 306 Northrop Memorial Auditorium, or call 373-3424 or 373-5685.

Tweed Museum of Art (Duluth)

On the Duluth Campus, the Tweed Museum of Art serves both the University and the community as a center for exhibition of works of art and related activities. A major permanent collection includes the George P. Tweed Memorial Art Collection containing paintings from the 16th through the 19th centuries and dominated by the French Barbizon school. Addition of the Alice Tweed Tuohy Room and the Studio Gallery in 1965 made possible a greatly expanded program. The Tweed Museum of Art features at least 10 major exhibitions each year, a continuous display from the permanent collection, and as many as 25 senior and graduate student exhibitions.

The Tweed Museum of Art assists in the Summer Guest Artist Program in the Art Department through a major retrospective exhibition of the guest artist's work and a summary exhibition of works completed during the workshop.

Activities of the museum include tours and lectures, member's previews, a sales shop, bi-weekly art programs for children in cooperation with the public and parochial schools, sponsorship of a community organization known as The Friends of Tweed Museum, and an undergraduate class in gallery practice for art majors.

The museum is open to visitors from 8 to 4:30 p.m., Monday through Friday, and from 2 to 5 p.m. on Saturday and Sunday.

The Gallery (Morris)

The Gallery in Edson Hall Auditorium on the Morris Campus has been in existence since 1961. It is the basic function of the Gallery to make available to the campus and community various aspects of the visual heritage of our Western civilization through a series of seven exhibitions presented each academic year. Formal openings and gallery talks are scheduled in order to integrate the program of the Gallery with the instructional framework and purposes of the college.

Exhibitions range in content from oil painting, graphics, and sculpture representing individual artists, to group shows, or historical surveys.

Under the direction of the Gallery, a significant permanent collection of the University of Minnesota, Morris was initiated in 1963.

The Gallery is open from 8 a.m. to 10 p.m., Monday through Saturday, and from 12 noon to 5 p.m. on Sunday.

Music

Opportunities for Participation—Participation in campus musical life is open to students in all colleges of the University—not only to music majors—both in Department of Music courses and in the volunteer musical organizations it directs. All musical groups present concerts each quarter, open free to the general public. Credit is offered for those desiring it.

University Bands: (1) Concert Band Ensemble has the best possible instrumentation of a wind ensemble whose membership is selected by personal audition from the total band membership; (2) Symphony Band Ensemble is the second select band and is very close in quality to the Concert Band Ensemble; (3) Symphony Band I, the third select band of a level able to perform the finest literature available; (4) Symphony Band II, while it is the fourth concert group, also is of a very high quality (the second, third, and fourth bands share a formal concert in Northrop Auditorium each quarter); (5) Golden Gopher Pep Band performs at basketball and hockey games; (6) the University Marching Band performs at football games as well as at an annual indoor concert in Northrop; it functions the first 8 weeks of the fall quarter only. University Bands headquarters is 14 Northrop Auditorium; telephone 373-3431.

University Symphony Orchestra rehearses 3 days a week. Study of symphonic repertory through performance. Minimum of one concert per quarter. Performance schedule includes major choral works with University Chorus, outstanding guest and student soloists, and appearances on tours. The orchestra office is 5 Wulling Hall; telephone 373-3444.

University Instrumental Chamber Ensemble activity is available to interested instrumentalists. These ensembles presently meet under a varied rehearsal schedule and present a number of performances on and off campus.

University Chorus of 300 mixed voices prepares major symphonic choral works for regular performances with the Minnesota Orchestra, Minneapolis Civic Orchestra, and University Symphony Orchestra. Membership is open to all students and staff of the University of Minnesota. Auditions are arranged in 5 Wulling Hall; telephone 373-3444.

Concert Choir of 40 voices is selected from the membership of the University Chorus. Open to all students and staff at the University. Auditions are arranged in 5 Wulling Hall; telephone 373-3444.

Chamber Singers is made up of 16 to 20 selected, mixed voices. This ensemble performs difficult repertoire and makes frequent appearances on and off campus. Auditions are arranged in 5 Wulling Hall; telephone 373-3444.

Men's Glee Club prepares standard glee club material as well as special arrangements for on- and off-campus appearances. The director is to be found in 331 Scott Hall.

Women's Glee Club prepares standard women's glee club material for on- and off-campus appearances. Auditions are held in 5 Wulling Hall.

Opera Workshop is open to singers interested in performing operas, or scenes from operas. Auditions take place in 204 Scott Hall.

St. Paul Campus Chorus is primarily for students at St. Paul. It appears both on and off campus. The music covers a wide range of musical styles.

The Resident Oratorio Choir is an extracurricular singing group open to all residents of the University campus. Performance of standard choral literature; rehearsals on Wednesday, 7:00-8:30 p.m. Credit optional. No auditions.

Music Hour—Informal music hours, open to students, staff, and general public, take place at 11:15 a.m. each Thursday in Scott Hall auditorium. Faculty and students, as well as guest artists and lecturers, appear at Music Hour.

Collegium Musicum—Small ensemble of singers and instrumentalists for the study and performance of early music. Apply to Collegium Musicum, 5 Wulling Hall; telephone 373-3444.

Music students are given priority to act as ushers at all concerts presented in Northrop Auditorium by the Minnesota Orchestra, Artists Course series, and the spring appearances by the Metropolitan Opera Company, as well as various other events.

The professional music fraternities on campus—Sigma Alpha Iota and Phi Mu Alpha Sinfonia—produce one opera each year when feasible and cooperate in programming concerts of seldom-performed works, both choral and instrumental.

The Department of Music offers a number of courses for nonmusic majors in addition to its regular departmental offerings in music appreciation, music history and literature, music theory and composition, music education, and applied music (piano, organ, voice, violin, trumpet, percussion, etc.). Private lessons on all instruments for credit or noncredit are available to students regularly registered at the University and to students not able to attend day classes full time.

Major concerts and musical attractions are regularly brought to Northrop Auditorium by the Department of Concerts and Lectures. The University Artists Course presents a number of outstanding recital artists, ballet, and world famous musical organizations on the campus each year. Season tickets for the Artists Course, at remarkably low prices, are sold at the office in 105 Northrop Auditorium.

A spring season of the Metropolitan Opera is also brought to the campus under the combined sponsorship of the Department of Concerts and Lectures, the Minnesota Orchestral Association, and an Upper Midwest Committee of Guarantors. This season of opera comes in the middle of May and presents usually seven operas by the Metropolitan Opera Company.

The University of Minnesota MacPhail Center for the Performing Arts will continue to offer private lessons in all areas of applied music as well as classes in pedagogy group instruction, music history, and theory.

At Duluth—Students also have the opportunity to enjoy one of America's outstanding community symphony orchestras—the Duluth Symphony. The symphony includes a number of the music faculty and students among its

regular members. Musical organizations sponsored by the University include the University-Community Orchestra, Concert Band, Varsity Band, Concert Choir, Chorale, Chamber Choir, Opera Workshop, and various small instrumental ensembles. All of these groups are open to the general student, plus introductory courses in music literature and applied music. In addition, professional music curricula are offered for the future performer, composer, and music teacher.

At Morris—Students have an opportunity to participate in Mixed Chorus, Men's Chorus, Chamber Singers, Concert Band, Symphony Orchestra, and instrumental groups dependent upon their interests.

At Crookston—Students have an opportunity to participate in Concert Choir, Male Chorus, and College Band.

Minnesota Orchestra—The Minnesota Orchestra under the direction of Stanislaw Skrowaczewski is the only major orchestra in America to have its home on a university campus. The presence of the orchestra on the campus has placed the University in a unique position with respect to cultural opportunities. The Minnesota Orchestra performs several series on campus: 20 symphony concerts on Friday evenings, between October and May; 10 "Adventure in Music" concerts on Sunday afternoons between November and May; and special concerts throughout the season.

Theater

Each year the University Theatre presents a diversified program of living drama. The high standing of the University Theatre is indicated by the fact that it was selected by the Defense Department for overseas tours in 1957, 1958, 1961, 1964, and 1969, and by the State Department to represent the U.S.A. at the International Festival in Brazil in 1957. A wide variety of activity is offered. The season in Scott Hall features a classic series of three outstanding plays plus two experimental productions. The Arena Theatre offers a directors' series and a variety series. There are also workshop plays, young people's plays, foreign language plays, and numerous student-directed plays. Perhaps the most popular project has been the Centennial Showboat, which plays a full summer season on the Mississippi River, producing a wide variety of plays ranging from melodrama to Shakespeare. The Peppermint Tent, located on the bank of the Mississippi, presents two plays for youngsters each summer. Bush Foundation fellowships offer graduate student-artists a unique opportunity to work on advanced degrees at the University and in the practical application of their arts and crafts at the Tyrone Guthrie Theatre. The Office for Advanced Drama Research provides facilities for the production of new plays in theaters all over the country. With such an extensive program, students interested in the theater may find ample opportunity to participate in any or all aspects of the program.

At Duluth—Two basic objectives are pursued by the UMD Theater. The first is to provide practical theatrical experience for students who choose theater arts as a vocation; the second is to provide an opportunity to view legitimate stage productions as another part of the individual's liberal education.

The production program consists of three main stage presentations directed and designed by the theater faculty. A number of studio productions are directed by students under the supervision of the departmental staff.

At Morris—The University of Minnesota, Morris Theatre correlates its classroom work with at least one major production each quarter and one to two student-directed experimental or laboratory productions each year. These plus other extracurricular activities (including the student drama organization, The Morris Meiningens) provide opportunities for student participation in all areas of the theater arts and exposure to a variety of dramatic experiences and staging methods including arena, thrust, proscenium, outdoor, and reader's theater production.

James Ford Bell Museum of Natural History

"Habitat exhibits," nearly a hundred displays of Minnesota plants and animals mounted in typical environment, are open to the public without charge in the James Ford Bell Museum of Natural History, located at 17th and University Avenues S.E., Minneapolis. By appointment, a guide will be furnished to a visiting group of 15 or more. Prior to the tour, teachers or discussion leaders should indicate topics or biological factors which are of particular interest to the group. A bookstore is located off the lobby with books and recorded bird call albums selected to meet the needs of the museum patrons both young and old. Each Sunday, November through April 15, free movies are shown at 2:30 and 3:30 p.m. The films cover a wide range of natural science topics that can be appreciated by all ages. In addition, a library and many thousands of specimens of reptiles, amphibians, birds, and mammals are available here for study by students and qualified visitors.

Physical Education and Athletics

Intercollegiate Athletics—Opportunities as either a participant or spectator are available in the intercollegiate athletics program for men, sponsored by the various departments of intercollegiate athletics. 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. Physical examination certification is required before equipment will be issued in any sport.

Minnesota competes in the following sports: baseball, basketball, cross-country, football, golf, gymnastics, hockey, swimming, tennis, track, and wrestling. Freshmen are eligible to compete on the varsity team in all sports except football and basketball. The Department of Intercollegiate Athletics offers a unique program of counseling and supervised study to underscore the fact that high scholastic achievement and high-level athletic performance go hand in hand. All tendered freshman student-athletes participate in this study program to improve study habits and skills and upgrade classroom performance.

Student Athletic Tickets (Twin Cities Campus)—Students are urged to purchase reduced price athletic tickets which admit to all intercollegiate athletic events. Tickets are priced at \$17 for all sports; \$13 for football games only; and \$8 for all sports other than football. A pre-season sale, conducted each May, is open to all students, including following-term freshmen, and offers more desirable seating for football games. Seats are assigned by lottery from this "spring sale" group. Remaining tickets are offered for sale during Welcome Week in the fall. Contact the Athletic Ticket Office, 108 Cooke Hall, Minneapolis, Minnesota 55455 for information.

Physical Education—The School of Physical Education offers all students the opportunity to gain competence in a variety of sports, dance, and gymnastic activities through courses offered in approximately 30 different activities. Co-educational classes, as well as those offered for men only and women only, are available on the several campuses.

Intramurals and Extramurals—Women and men students are encouraged to participate in a broad program of more than 30 intramural and extramural activities. Some of the individual, dual, and team sports include badminton, basketball, bowling, fencing, field hockey, golf, handball, ice hockey, softball (fast and slow pitch), squash racquets, swimming, table tennis, touch football, track, volleyball, and wrestling. Extramural competition involves some intramural champions as well as individual players and teams representing the various clubs. For women students, clubs are organized for aquatics, badminton, dance, field hockey, golf, horsemanship, judo, team sports, and tennis. For men students, club activities are arranged for archery, bowling,

ATHLETIC FACILITIES

INDOOR

MINNEAPOLIS

- Cooke Hall
 - 2 swimming pools
 - 4 basketball courts
 - 5 volleyball courts
 - 7 badminton courts
 - 3 tennis courts
 - 1 apparatus gymnasium
- Norris Gymnasium
 - 2 swimming pools
 - 2 basketball courts
 - 3 volleyball courts
 - 8 badminton courts
 - 1 area for archery, golf, etc.
 - 1 paddleball, squash court

Field House

- 1 track area
- 1 baseball area
- 3 basketball courts
- 4 archery stations

Stadium

- 1 fencing strip
- 10 handball and paddleball courts
- 8 squash courts
- 1 wrestling room
- 1 judo-karate room
- 1 orthopedic gymnasium
- 10 golf driving mats
- 1 weight lifting room

MINNEAPOLIS

- 1 track
- 20 tennis courts
- 7 softball fields
- 2 baseball fields
- 1 field hockey field
- 4 touch football fields
- 1 game field
- 3 practice football fields
- 1 18-hole golf course
- 1 9-hole golf course
- 1 soccer field
- 1 cricket wicket

Williams Arena

- 1 ice hockey rink
- 1 basketball court

ST. PAUL

Gymnasium

- 2 basketball courts
- 2 volleyball courts
- 3 badminton courts
- 4 golf driving mats
- 3 archery stations
- 1 running track
- 1 swimming pool
- 3 handball courts
- 1 weight lifting room

DULUTH

Physical Education Building

- 1 swimming pool
- 3 basketball courts (MW)
- 5 volleyball courts (MW)
- 13 badminton courts (MW)
- 3 gymnasiums
- 1 wrestling area
- 1 dance studio (W)
- 1 weight room
- 1 archery range
- 1 running track
- 1 indoor golf range

OUTDOOR

ST. PAUL

- 4 tennis courts
- 3 horseshoe courts
- 2 volleyball courts
- 4 touch football fields
- 7 softball fields

Duluth

- 4 tennis courts
- 4 softball fields
- 1 football field
- 4 general purpose fields
- 1 ski hill with tow
- 1 quarter mile running track
- 1 broomball rink

cricket, fencing, gymnastics, judo, karate, rowing, rugby, scuba, soccer, weight lifting, whitewater canoe, and yoga.

Health Status—Participation in any type of physical activity should be within the limit of one's health status. After the receipt and reviewal of the student's entrance physical examination form by the University Health Service, he (or she) will receive a yellow slip indicating his (or her) activity rating. This activity rating denotes the types of physical activities in which the student may participate. The activity rating is valid for 2 years for physical education classes and intramurals and for 1 year for intercollegiate athletics and physical education majors and minors. The activity rating can be renewed by taking a physical examination at the University Health Service. Presentation of the activity rating is required for participation in any physical education class and in intercollegiate athletics. Participation in intramural activities within the limits indicated by one's activity rating is the responsibility of the individual student.

University Health Service

The health of the student is a major concern of the University as well as of the individual student.

On the Twin Cities Campus / Minneapolis complete facilities are provided in the University Health Service building across the street from the University Hospitals on Church Street.

On the Twin Cities Campus / St. Paul, general medical and infirmary-type hospital care is provided in the Health Service building located on Cleveland Avenue. St. Paul students also have access to the Minneapolis facilities.

Services at Duluth, Morris, and Crookston provide consultation (including psychiatric consultation at Duluth), physical examination, care of illnesses and injuries, immunizations, laboratory tests, physiotherapy, and commonly prescribed medication. The Health Service at Duluth is located at 1215 East University Circle which is centered between the Griggs Hall dormitory and the Movilla units. The Health Service at Morris is located in Clayton A. Gay Hall. The Health Service at Crookston is located in the Student Services Building.

Duluth and Morris Campus students must pay a special hospital insurance fee for Blue Cross-Blue Shield coverage unless exempted by showing adequate coverage. This fee in Duluth includes outpatient diagnostic X-ray and laboratory work for a maximum of \$65 per year.

An entrance physical examination is required. See section on Entrance Health Examination for details.

Student Services Fee Benefits, Twin Cities Campus

Medical care and health counseling are provided for all students. No charge is made to students for general care or for consultations with a specialist on physical or mental health problems except for prolonged treatment of an elective nature for certain conditions. Medical care is given to a hospitalized student without charge, except for surgery. Students also receive specialized services, such as allergy testing and treatment, eye examinations, and laboratory services. Physical therapy and X-ray therapy are provided up to a limit of \$50 per quarter. Charges are made on a cost basis or less for drugs, glasses, and dentistry.

Hospitalization—It is the practice of the Health Service to admit to the hospital all students (especially those whose homes are outside the Twin Cities) who are sufficiently ill to require bed rest, even for short periods of time. A student who lives in a dormitory or rooming house usually cannot receive proper nursing care, adequate meals, or sufficient medical care if he remains in his room during an illness. The duration of an illness can be shortened in many instances if treatment is begun early in the course of the disease, thus saving considerable time through prompt hospitalization. Hospitalization for obstetrical care is not included.

Any hospital admission under this program must be in the University Hospitals at the discretion of the University Health Service.

Students With Hospital Insurance—Students who feel they have adequate hospital insurance may choose to take a refund on the hospitalization portion of the student services fee which is \$4 per quarter. Students accepting this refund may be hospitalized in University Hospitals by the Health Service but will pay the full cost of hospitalization and themselves collect from their insurance company. To obtain the refund, students must present their fee statement and proof of insurance to the business office of the Health Service during the first 10 days of each quarter.

Students with hospital insurance may wish to have additional coverage. They may do so by not taking the \$4 refund. Then if hospitalized, the Health Service will bill the insurance company and after receipt of this payment the Health Service will pay the remainder of the hospital bill for as many days as the two programs provide. If the insurance payment plus the Health Service allowance for hospitalization overpay the bill, a credit for the difference will be set up in the student's name. This credit may be used for any future charges by the Health Service except for dentistry, glasses, drugs, or meals in the Special Diet Department. If not used, this credit will revert to the Health Service when the student leaves the University.

Students Without Hospital Insurance—Such students are entitled to 70 free days of hospitalization in University Hospitals each quarter including all extras (except private duty nursing). However, free hospitalization for the same illness is limited to 70 days. Hospitalization benefits do not cumulate from quarter to quarter. Hospitalization for mental illness is provided for evaluation only and for a period not to exceed 15 days.

Foreign Student Health Fee Benefits

Experience has shown that many foreign students have illnesses or accidents that require prolonged hospitalization, the costs of which far exceed the benefits of the student services fee. Since noncitizens are not eligible for city, county, or state hospital care, great hardships to some students have occurred. To avoid such hardships foreign students are required to carry additional health protection by paying an additional fee each quarter unless they have acceptable health insurance, by which they may be eligible for exemption from this fee. Any student who thinks he might qualify for this exemption should apply within 10 days of the opening of the quarter to the business office of the Health Service. Foreign students are also required to pay the regular student services fee even though they may be taking less than 6 credits.

On the other hand, foreign students who are excused from the \$5 foreign student health fee and are enrolled for fewer than 6 credit hours in an undergraduate college may request exemption from the student services fee also, in which case they would have no Health Service privileges.

Optional Plan for Supplemental Blue Cross-Blue Shield Coverage

Students who choose to be covered under the special student Blue Cross-Blue Shield Plan will have added protection for benefits not provided by regular Health Service coverage. These are:

1. Emergency hospitalization and medical-surgical care during the academic year when distance or other conditions would make it medically unsound for the student to be transported to the University Health Service for care.
2. Hospitalization and medical-surgical care when hospitalized during the summer months when the student is not eligible for care through the University Health Service.
3. Surgical fees under conditions of 1 and 2 above, and also surgery done at the University Health Service.

Dependents—Dependents are not eligible for care through the University Health Service. Therefore, the benefits—*excluding maternity and obstetrical care*—of the Blue Cross-Blue Shield program are available to covered dependents throughout the year at any hospital.

Additional information on the above services may be obtained from the business office at the University Health Service, Minneapolis.

Optional Plan for Extended Health Service Benefits

A student who drops out of school for a quarter or a portion of a quarter during the regular academic year or who is not a regular fee-paying student during the summer months may continue receiving regular health service benefits at the Health Service during these times by paying an appropriate fee. This extended coverage may not exceed 2 quarters in any calendar year and may not span 2 consecutive regular academic quarters.

The fee for this optional program must be paid sometime during the 2 weeks in advance of the beginning of the coverage period in Room W229 of the Health Service. Additional information on the program may be obtained in Room W229 of the Health Service or by calling 373-3768.

Well Baby and Child Clinic

The Well Baby and Child Clinic, a nonprofit organization for Twin Cities Campus students' children under the age of 6, makes available, at cost, physical examinations, immunizations, and vitamins. The clinic is open the first three Wednesdays of each month from 6-8 p.m. in the St. Paul Health Service Building by appointment only. Call the St. Paul Student Health Service for information.

Counseling Programs

Professional counselors are available to help students learn more about and better understand their own abilities, interests, personalities, and emotions. These counselors assist students with their progress in college and with problems related to University life. Students, at one time or another, face questions such as: How can I learn to study more effectively? What vocation shall I plan to enter? How can I best manage my budget? How may I find satisfactory housing? What should I do about a speech or hearing difficulty? How can I improve my education through student activities? As-

sistance with these questions can be found in the individual agencies listed below or in the Office for Student Affairs, 9 Morrill Hall (Minneapolis), or 190 Coffey Hall (St. Paul).

Duluth Campus students should consult the Counseling Office, Administration Building.

Morris Campus students should consult the Student Counseling Service in Behmler Hall.

Crookston Campus students should consult the Counseling Office in the Student Services Building.

Student Counseling Bureau

The services of the Student Counseling Bureau, 101 Eddy Hall (373-4193) and 190 Coffey Hall (373-1140) are provided for those who wish to learn more about themselves as they develop in an educational setting. These services include counseling, testing, assistance in the development of reading and study skills, and an occupational library. About one-third of our University students will talk at some time with a professional and experienced counselor about courses they wish to take, vocations they are considering, personal stress situations, reading, study skills and spelling improvement, personal or family relations, and the like.

A student is urged to seek these services early and not to delay until grades are seriously affected. If you wish to review your progress or obtain assistance in planning your future, you are urged to talk with a counselor at the bureau.

Precollege counseling is available at a small fee to those who have not yet entered the University (no fees are charged University of Minnesota students). When you consider applying for admission to the University, you are encouraged to come to the Student Counseling Bureau for information about the different colleges in the University, courses available to you, and various University services for students.

Office of the Adviser to Foreign Students

Students and faculty from other countries are urged to call at 717 East River Road, or 190M Coffey Hall, the Office of the Adviser to Foreign Students. Staff members in this office offer information and counseling on problems of a personal, financial, and educational nature; act as liaison with foreign governments; assist in meeting the problems of federal, state, and local regulations; and participate in community and campus international programming.

Speech and Hearing Clinic

Students with speech or hearing difficulties are urged to contact the Speech and Hearing Clinic in 110 Shelvin Hall. Here they may receive free speech and hearing evaluations and consultations. If additional clinical help is needed, the student may receive this in the clinic. After an evaluation is completed, a series of clinical appointments may be arranged during the student's free time. Clinical services are offered by professional staff members in the areas of voice, articulation, stuttering, foreign accent, and hearing.

A fee of \$5 per quarter is charged for the additional clinical services. On the Duluth Campus, the Speech and Hearing Clinic is located in 130 Humanities Building and offers free assistance in the same manner described above.

College Advisory Programs

Most of the University's schools and colleges have advisory and counseling programs for their students. Each student is assigned to an adviser who helps him with course and other problems, and some of the schools and colleges maintain employment and job-counseling services as well. Students should discuss with their advisers their academic progress at least two or three times a year.

Scholastic Standing Committees

Each college has a faculty committee (some have student members, too) charged with interpreting the regulations of the faculty, or making exceptions to them if warranted. A student should consult the committee if he is in doubt about a college rule or thinks the rule should not apply to him. Committee headquarters are usually in the college office.

Minnesota Planning and Counseling Center for Women

The Minnesota Planning and Counseling Center for Women is a coordinating and facilitating service designed to help the undergraduate and graduate student prepare to maintain her intellectual competence during the family years, and to make the mature woman's return to academic, civic, or vocational productivity a practical reality. The program includes counseling, continuous record keeping, special curricular offerings, placement, child-care, scholarships, and other services.

Information and application blanks are available at 301 Walter Library, or by calling 373-3850.

Religious Activities Coordinator

Student programs of religious activity—an important part of campus life at the University—operate through a wide variety of denominational and interreligious groups. The Office of the Coordinator of Students' Religious Activities, 319 Walter Library (373-4076), serves as a center where information may be secured concerning the 39 religious organizations on the Twin Cities Campus. Liaison is provided between the University and the diverse religious groups, their pastors, priests, rabbis, and advisers.

Student Activities

Religious and Interfaith Opportunities

"Where the Action Is," well symbolizes religious and interfaith concerns in the life of the University. Many groups and organizations serve the religious

needs of the University community, in centers near the campus, in study groups and meetings on and off the campus, in nearby churches, in storefronts, coffee houses, and in every possible way to be "where the action is." Cooperative ministries join groups together in common cause around issues, tasks, or projects. Whether in the ghetto, the public and parochial school tutorials, the detention centers, the Joy Folk or a living-learning residence, people are brought together to share common needs and concerns, including worship, both traditional and experimental. Add to all this the lectures, classes, and special programs, and it does spell "action." For information, check in at 319 Walter Library, 373-4076.

Fraternities

Fraternities at the University of Minnesota provide their members with valuable experiences in fellowship and social and personal development. Most chapters offer facilities for student housing and eating. These fraternal groups hold regular membership drives or rushing periods. During these rushing periods, students who wish to join should indicate their interest to the Interfraternity Council, the coordinating body of all the fraternities, or to the fraternity adviser in the Student Activities Bureau.

Once a student has accepted an invitation to join a fraternity, he enters into a period of pledgship which generally lasts a quarter. Active membership in the fraternity is then available if the student satisfies the academic requirements for initiation.

Sororities

There are 16 sororities on the Minneapolis Campus and 3 on the St. Paul Campus, all of which maintain resident houses. Any eligible woman student regularly enrolled in the University who has a 2.00 grade point average may be invited to join a sorority. Panhellenic Council, the governing body of the Minneapolis Campus sororities, and Intersorority Council, the governing group of the St. Paul Campus sororities, establish and regulate a definite rushing calendar. All sororities maintain scholarship, international, social, human relations, and service programs for their members.

For further information concerning sororities consult the Panhellenic Office or the sorority adviser in the Student Activities Bureau.

University Programs for Student Development

The Philosophy of Student Development

There exists a variety of programs and services at the University of Minnesota which are not directly involved in the classroom experience of taking courses. These programs involve hundreds of professional personnel dedicated to either or both of two tasks: (1) enhancing the capacity of the student so that he will perform better in the classroom, and (2) promoting the broader objectives of a university education—the student's total personal development.

These programs and services as a function of the university, for the most part, are unique to American higher education.

From the very beginning, in 1636 at Harvard, and with other colleges that developed during the colonial period, learning was a total experience in the classroom and at the living unit. Learning was concerned not merely with the acquisition of knowledge but also with values, moral principles, and physical fitness.

The 19th century witnessed the expansion of science and research in higher education through the growing influence of the German universities and with the Morrill Act of 1862, the development of colleges devoted to the vocational fields of agriculture and the mechanic arts. Concern for the total development of the individual waned during this period and matters of student housing, extracurricular affairs, and values were personal responsibilities of the student.

The influence of the German universities upon American higher education dropped sharply with World War I. German universities in their preoccupation with scholarship and research abdicated any sense of responsibility for the political and social concerns of the country. The consequences of this for the United States, a democratic society dependent on a citizenry politically and socially aware, was indeed very important. The decades following World War I witnessed a resurgence of the educational objective of total personal development and student personnel services were organized for the achievement of that objective.

The philosophy upon which student services is developed asserts that what occurs in the life of the student outside the classroom not only affects what goes on in the classroom but also constitutes in itself a legitimate educational experience. At the very least, the extracurriculum should complement the *formal curriculum* to provide a balance of theory and practice.

There exists a number of programs and services at each campus of the University of Minnesota to accomplish the two objectives outlined in the first paragraph and mentioned just above. Personal problems and deficiencies in learning skills provide a serious threat to a successful academic experience. On the Twin Cities Campus the Student Counseling Bureau provides the opportunity to solve these problems through counseling and the Reading and Study Skills Center. The Health Service provides a full range of services designed to keep the student in good health. Life outside the classroom is brimming full of learning opportunities. The Student Activities Bureau, Minnesota Union, and a number of other agencies are dedicated to exploiting the educational potential of the extracurriculum.

Opportunities for Student Participation

Student Activities Bureau

The University believes that participation in student activities is a significant part of college education. To give students an opportunity to participate in community life, several hundred student groups—professional, social, cultural, religious, and recreational—athletic and oratorical—everything from departmental to campus-wide student government groups—have been organized. The Student Activities Bureau, located in 110 TNM (373-3955) exists to aid new groups toward sound organization, to supervise and guide associations in matters of program and finance, and to assist individual students in selecting their extracurricular activities.

Student Government Opportunities

The Minnesota Student Association—Every enrolled student at the University of Minnesota is a member of the Minnesota Student Association. The association performs the function of all-University student government and coordinates a variety of University programs and activities for students. The MSA, based on student participation at every level of the University structure, has two main branches: the executive (student body president and executive committee), and the legislative (Student Forum). The MSA office is located at 213 Coffman Union.

College Boards

Each college or institute of the University has a student intermediary board which serves as a liaison between the students and the administration and faculty. On the Twin Cities Campus, they are:

<i>College</i>	<i>Organization</i>	<i>Address and Phone</i>
Agriculture, Forestry, Home Economics, and Veterinary Medicine	St. Paul Board of Colleges	242 North Hall (373-1575)
Liberal Arts	Arts College Intermediary Board	101 Johnston Hall (373-2621)
Education	Education Board	242 Burton Hall (373-4628)
General College	General College Student Board	106 Nicholson Hall (373-4104)
Institute of Technology	Technical Commission	135 Main Engineering (373-7729)
Business Administration	Business Board	203 Business Administration Building (373-2226)
Pharmacy	Pharmacy College Student Representative Board	115 Appleby Hall (373-2187)

Financial Aids

Student Loans

For students who need financial aid or advice, there is a financial aids office on each campus. The following paragraphs provide a general explanation of the various financial aid programs that are available to students.

National Defense Student Loan Program—Undergraduate and graduate students are eligible for loan assistance from this program. Undergraduate students may borrow up to \$1,000 per academic year from this program, and graduate students in cases of exceptional need may exceed this limit. A student must be enrolled on a full-time basis or the equivalent in order to qualify. Loans made from this source carry no interest while the recipient is enrolled in a program of studies on a half-time or greater basis. Repayment must commence within 9 months after termination of studies or graduation. The balance of the indebtedness then incurs an interest rate of 3 percent simple interest. The balance of the repayment is arranged on an individual basis and may be extended as long as 10 years in some cases.

Health Professions Student Loan Program—Undergraduate students in medicine, dentistry, pharmacy, and veterinary medicine are eligible to apply for assistance from the Health Professions Student Loan Program. These

loans are similar in terms to the National Defense Student Loans except that the amount which can be borrowed is higher, and the interest rate varies according to legislative action.

Nurses Training Act of 1964—Undergraduate and graduate level School of Nursing students who are enrolled in the professional programs are eligible for assistance from funds established by the Nurses Training Act of 1964 and subsequent amendments. The maximum amount available to an individual recipient in any one academic year is \$3,000 (\$1,500 loan and \$1,500 scholarship). Application forms and additional information about these funds may be obtained from the Office of Student Financial Aid.

Guaranteed Student Loans—This program, established by the Higher Education Act of 1965, Title IV, Part B, enables full-time, registered students to obtain guaranteed loans for college expenses from a commercial bank, savings and loan organization, credit union, or other participating institution.

Student Loans-University Trust Fund—Loan funds have been set up to help any student who is making normal progress toward an educational objective. Generally, students must complete 2 quarters at the University to become eligible for a student loan from one of these funds. The interest rate for these loans varies between 3 to 6 percent simple interest, and the loan limit is in most cases \$1,000 per year.

Scholarships, Grants, and Merit Awards

Scholarships—Scholarships for freshmen entering at any campus of the University, chosen from among graduates of Minnesota High Schools, are supported by gifts from alumni, foundations, industry, and friends of the University. Scholarships, which range from \$100 to \$500, are awarded on the basis of the high school academic record, leadership, character, vocational promise, and financial need. One application, available through high school counselors, ensures consideration for all freshman scholarships offered by the University.

Direct blood descendants of World War I veterans who were in the service 6 months before the armistice, and who have completed 2 quarters of satisfactory work at the University, may be eligible for the LaVerne Noyes resident tuition scholarship. Application and discharge papers must be filed each quarter before July 15, November 15, and February 15. Grants are limited to a maximum of 6 quarters.

After the student has established a record of achievement at the University, other scholarships and merit awards are offered in many of the University's fields of study. Information about these awards is announced through the Official Daily Bulletin. Application blanks may be obtained from the Office of Student Financial Aid and should be filed by April 1.

Generally speaking, the University of Minnesota regrets that on the Twin Cities Campus it is not able to offer scholarships to nonresidents or transfer students until they have made a deserving record at this University. However, nonresidents or transfer students entering at the Morris or Duluth Campuses should check with the appropriate office regarding this possibility.

The Duluth Campus has a number of scholarships, grants, and awards available to its students.

The Morris Campus has many scholarships available to its students and in addition provides substantial grant-in-aid assistance through the Educational Opportunity Grant Program.

The University of Minnesota Technical College, Crookston financial aid program is designed to give financial assistance to all needy and worthy students and to give advice with budgeting and financial problems. It is based on the premise that all qualified students should have an opportunity to obtain a college education regardless of financial means.

Grants—The Higher Education Act of 1965 established a program of Educational Opportunity Grants to assist undergraduate students from low income families. Grants range from \$200 to a maximum of \$1,000 per year. Eligibility is determined by the income and assets as well as the number of children in the family. Recipients must be full-time undergraduate students who can show evidence of financial need and ability to do college work. High school seniors should obtain further information and application forms from their high school counselors or principals.

Regents Student Aid Fund—Full-time undergraduate and graduate students may apply for grant assistance from this fund. The maximum grant from this fund is \$500 in any one academic year, dependent upon demonstrable financial need.

College Work-Study

Work opportunities for full-time students from low income families are included in the provisions of the Higher Education Act of 1965. Where possible, the jobs are related to the interests of the student. Once a student is admitted to the University, he is eligible to apply for the program and may begin work before he is enrolled for classes; for example, an incoming freshman may work the full summer before fall quarter classes begin. Students may work as many as 15 hours weekly while attending classes full time. During the summer or other vacation periods students may work 40 hours per week under this program. Pay rates depend upon the level of the job but vary from \$1.50 to \$3 for highly specialized jobs. Other loan funds including the United Student Aid Fund Program and emergency short-term loan programs are available on the Duluth and Morris Campuses also.

Procedures to Obtain Financial Aid

Freshmen—Entering freshmen interested in loans, scholarships, or grants should contact their high school guidance office for application forms. (Non-residents of Minnesota must write directly to the appropriate office listed below.) One application ensures consideration for all types of financial assistance that the University has to offer—scholarships, loans, educational opportunity grants, and college work-study. These applications must be made through high school counselors or principals and forwarded to Twin Cities Campuses by December 15 and to the Duluth and Morris Campuses by February 15. In addition to this application, students must have their parents or guardian submit a financial statement of family resources. Students are advised to be sure they have the correct form prior to filling it out. These forms are also available from the high schools or by writing to the Freshman Financial Aids Program on the Twin Cities Campus. The financial statement must be submitted to the proper financial needs analysis service by December 15 (Twin Cities Campuses), February 15 (Duluth and Morris Campuses). Late applications receive lower priority for financial assistance.

Presently Enrolled Students, Transfer Students—Upperclass, undergraduate, and graduate students may obtain application forms and information by contacting the appropriate financial aids office. Applications should be completed by April 1 (Morris Campus by February 15).

The addresses of the financial aids offices are:

Twin Cities Campus

Office of Student Financial Aid
107 Armory
University of Minnesota
Minneapolis, Minnesota 55455

Duluth Campus

Financial Aids Office
Administration Building
University of Minnesota, Duluth
Duluth, Minnesota 55812

Crookston Campus

Admissions and Financial Aid Office
Selvig Hall
University of Minnesota Technical College
Crookston, Minnesota 56716

Morris Campus

Office of Admissions and Scholarships
209 Behmler Hall
University of Minnesota, Morris
Morris, Minnesota 56267

Waseca Campus

Student Affairs Office
University of Minnesota Technical College
Waseca, Minnesota 56093

Graduate Assistantships and Fellowships

Graduate students are eligible for a number of fellowships and for a number of research and teaching assistantships in many University departments. Information is available from the Graduate School or the department concerned.

Counselors

For selected graduate students there are several positions in dormitories and fraternities, which provide room and board and require part of their holder's time. The Office for Student Affairs will furnish information about these positions, as will the coordinator of housing on the Duluth Campus.

Aids for Handicapped Students

Under certain conditions blind students are eligible for tuition scholarships. Application for aid should be made at the *Office of Admissions and Records* (window 18). Additional information may be secured by writing to the State Services for the Blind, Centennial Building, St. Paul, Minnesota 55101.

"Rehabilitation funds" for the education of disabled persons are available through the State Department of Education. Applications for aid from these funds should be sent to the Division of Vocational Rehabilitation, State Office Building, St. Paul, Minnesota 55101.

Student Employment Service

If you are a student on the Twin Cities Campus and need a job to help meet school expenses, the Student Employment Service, 30 Wulling Hall,

will help you find part-time work either on or off campus. Apply in person at the office after you have enrolled and know your class schedule. On the Duluth Campus, go to the Financial Aids Office, Administration Building; on the Morris Campus and Crookston Campus new students are urged to write the financial aids office as soon as they have been accepted for enrollment if they are interested in and will need employment to assist with their finances. Many summer employment opportunities are available also at the college and in various communities through the College Work-Study Program. Chances of being placed depend on the supply of jobs, qualifications, need, and the hours available. Very frequently a job will provide valuable experience as well as financial assistance. Work for board and room or caretaking jobs in exchange for apartments are usually available.

Social Security Assistance

Under the Social Security Act, benefits have been extended to college students between ages 18 and 22. For further information and an application for these benefits, consult or write your nearest Social Security Office.

American Indian Student Aid, Morris

Grants-in-Aid—The state of Minnesota and the Federal Bureau of Indian Affairs cooperate in providing financial aid to needy American Indian students of one-fourth or more Indian ancestry for study at the University of Minnesota. Tribal and private funds are available to American Indian students of less than one-fourth degree. Applicants must be residents of Minnesota. Applications should be made by May 1 for the following fall but will be considered at other times. Write to: Guidance Consultant, Indian Education, 410 Minnesota Avenue, Bemidji, Minnesota 56601. American Indian students on the Twin Cities Campus are invited to contact the financial aids adviser for American Indian students in the Office of Student Financial Aid and the counselor for American Indian students in the Student Counseling Bureau.

Tuition Exemption—Under the terms of an original land grant, free tuition is provided American Indian students at the University of Minnesota, Morris. To receive tuition exemption, students must have one-fourth or more Indian ancestry. They are *not* required to be residents of Minnesota. Students receiving state or Federal American Indian assistance are automatically eligible for exemption of tuition payments at Morris. Others should obtain notarized certification of their American Indian ancestry and submit it with their application for admission. For more information write: Director, Admissions and Scholarships, University of Minnesota, Morris.

Housing Facilities

Students may live in residence halls, private housing, or in fraternities or sororities. Not all freshmen or new students can expect to live in University residence halls since the number of student accommodations is limited. Residence hall application is made *independently* of application for admission. Private housing can be secured if University residence hall space is not available.

Information concerning residence halls or private off-campus housing may be obtained by writing to the office of the Director of Housing, 180 Westbrook Hall, Twin Cities Campus; the Housing Office, Administration Building, Duluth Campus; the Housing Office, 6 Administration Building, Morris Campus; and the Housing Office, Crookston Campus.

The Board of Regents' policy on discrimination in private housing is as follows:

The Board of Regents has committed itself and the University of Minnesota to the policy that there shall be no discrimination in the treatment of persons because of race, creed, color, sex, or national origin. This is a guiding policy in the admission of students in all colleges and in their academic pursuits. It is also to be a governing principle in University-owned and University-approved housing, in food services, student unions, extracurricular activities and all other student and staff services. This policy must also be adhered to in the employment of students either by the University or by outsiders through the University and in the employment of faculty and civil service staff.

The responsibility for administering this policy has been delegated to the Student Housing Office.

University Residence Halls

Living in a residence hall has many advantages for the student. The halls, located close to class buildings and to the student unions, offer comfortable living with well-planned healthful meals, served under the direction of a trained dietician. Opportunities for counseling, health supervision, student government, social and athletic programs are provided. All residence halls are modern, fireproof brick buildings, constructed in accordance with the highest safety standards. The 1970-71 rates ranged from \$1,080 to \$1,431 per quarter for board and room, payable in monthly installments. Many residents can earn part of their board and room by work in the residence halls; an early interview and application is recommended for students interested in this opportunity.

Application should be made early for accommodations in University residence halls. Write to: Director of Housing, 180 Westbrook Hall, or directly to the hall of your choice. Do not wait until orientation time to apply. Applications will be accepted after January 1. Final acceptance by the University is not necessary before applying.

Twin Cities Campus

Halls for Women only

SANFORD HALL, accommodating undergraduate and graduate women, is located on University Avenue S.E. near the campus.

COMSTOCK HALL accommodates freshmen, sophomore, junior, senior, and graduate women in large double and single rooms. This hall is situated along the Mississippi River close to the center of University life.

PIONEER COURT, accommodating undergraduate and graduate women, is located adjacent to Pioneer Hall for men and faces on East River Road. Women residents will share the common facilities of dining and recreation with men residing in Pioneer Hall.

Halls for Men only

TERRITORIAL and FRONTIER HALLS are located in a quadrangle on the edge of the campus near the East River Road. These halls accommodate 1,100 men. Special houses for graduate students are available. (Centennial Hall accommodates a limited number of women students.) All rooms are doubles. Dining facilities are shared with coeducational halls.

Halls for Men and Women

- MIDDLEBROOK HALL, located on the West Bank facing the river, accommodates men and women students in a new high-rise tower. Dining and recreational facilities are shared by men and women.
- PIONEER HALL accommodates men and women students in vertical house arrangement with recreational and dining facilities in common. The hall is located on East River Road.
- BAILEY HALL, located on the St. Paul Campus, accommodates men and women students in separate wings. Dining services are provided in the Dining Center adjoining the residence hall and the Student Center. Recreational spaces are shared by men and women.
- CENTENNIAL HALL accommodates men and women in separate wings with shared dining and recreational facilities. The hall is located in a quadrangle near the East River Road.

Duluth Campus

- GRIGGS HALL is a new residence hall centrally located on the upper campus. This hall presently accommodates 400 students.
- BURNTSIDE HALL is located on the upper campus and accommodates 115 students in large double rooms.
- VERMILION HALL is located on the upper campus and accommodates 64 students in large double rooms and a limited number of single units.
- TORRANCE HALL is located on the lower campus. This hall accommodates 75 students in single and double rooms.
- WASHBURN HALL is located on the lower campus. This hall has recently been renovated and will accommodate 45 students.
- A new 400 bed residence hall is presently under construction; the completion date is set for fall quarter 1971.
- All residence hall students are served their meals in the Kirby Student Center Cafeteria. Information and applications for reservations may be obtained by writing to the Housing Coordinator, Administration Building. Final acceptance by the University is not necessary before applying.
- VILLAGE APARTMENTS. These units accommodate 300 single students. Each of the 76 units provides housing for 4 students. Each unit consists of two bedrooms, two baths, a living-dining area, and kitchen. A service center is provided in the immediate area for the use of these students.

Morris Campus

Halls for Women

- SPOONER HALL accommodates women of all levels. It is located on the south side of the mall and is adjacent to the center of campus activities.

Halls for Men

- BLAKELY HALL accommodates undergraduate men of all levels. Like all residence halls on the Morris Campus, Blakely has a residence hall association autonomous from the other units. They are all tied together, however, by an Inter-Residence Hall Council. This body coordinates each residence hall function with the Morris Campus Student Union.

Coeducational Halls

- CLAYTON A. GAY HALL I and II—A coeducational residence hall with a "house" system with two 20-student houses on each floor.
- PINE HALL—A coeducational residence hall which houses 68 men and 22 women.
- INDEPENDENCE HALL—A 250-student coeducational residence hall with 20-30 students per wing. This building, completed in 1970, is one of the newest residence halls on the Morris Campus.
- NEW STUDENT APARTMENT BUILDINGS (currently unnamed)—A complex of four 2-bedroom student apartment buildings. This complex is scheduled for completion in the fall of 1971 and will house 288 students.

Crookston Campus

Halls for Men

MCCALL HALL accommodates undergraduate men of freshman and sophomore levels. Located on the east side of the mall, it houses 110 students in large double rooms.

STEPHENS HALL also accommodates freshman and sophomore men. Located on the north end of the mall, it houses 117 students.

Halls for Women

ROBERTSON HALL accommodates freshman and sophomore women. Located on the west side of the mall, it houses 60 women.

University Housing for Married Students

COMMONWEALTH TERRACE, new permanent apartments for married students and located in the St. Paul area of the Twin Cities Campus, provides housing for 362 families in one- and two-bedroom units. The 1970-71 rates were \$79 to \$98 per month including utilities, unfurnished except for stove and refrigerator.

THATCHER HALL, for married graduate students only, is located at the edge of the St. Paul area of the Twin Cities Campus. The building contains efficiency and one-bedroom apartments at \$98 per month (1970-71), furnished.

The demand for family housing is great and an early application is advisable. Applications for any of the locations should be sent to the Commonwealth Terrace Cooperative, Inc., 1295 Gibbs Avenue, St. Paul, Minnesota 55108.

Private Housing

Vacancies in apartments, housekeeping units, and sleeping rooms are reported to the Department of Off-Campus Housing where students may get help with housing. Married students have found it desirable for one member of the family to come and live in temporary accommodations while looking for quarters for the entire family.

Other rooms or apartments in private residences must be engaged "on the spot"—no reservations can be made before arrival on campus. Students should make arrangements for housing at an early date before classes begin to be assured of adequate quarters.

Whatever lease arrangement you make, housing regulations provide that you must give notice according to rental pay period if you plan to move. Any change of address must be reported to the housing office. The office is the agency to consult in case of problems or difficulties about housing, or about your privileges, rights, and obligations. Use of office counsel in a dispute is likely to lead to a satisfactory conclusion.

Moving to Fraternities and Sororities

Joining a fraternity or sorority does not excuse you from a rooming contract. If you plan to move to a fraternity or sorority house, you should make the move at the expiration of your contract or room commitment, or at such time as you are able to furnish a substitute to take over your contract. Information on rush week and fraternity and sorority pledging may be obtained from the Student Activities Bureau, 110 TNM, University of Minnesota, Minneapolis, Minnesota 55455.

Food Services

Twin Cities Campus / Minneapolis

A variety of food service facilities is available to students in Coffman Memorial Union. Largest is the cafeteria, on the ground floor. There are also a soda fountain, a lunch counter, and commuters' lunchrooms for students who bring lunches from home. Banquet, party, and private dining room facilities are also available.

Shevlin Hall has a cafeteria and lunchroom for students. There are also several privately operated restaurants, lunch counters, and soda fountains near the campus.

On the West Bank a very complete food and refreshment vending service is provided in both Anderson and Blegen Halls, as well as snack services in Blegen Hall.

Twin Cities Campus/St. Paul

The Dining Center provides full food service for students. Lunchroom and soda fountain facilities are available in the Student Center.

Students carrying lunches from home are also welcome in the Student Center Rouser Room.

Duluth Campus

Kirby Student Center Cafeteria, the Bull Pub snack bar, the Rafters bag lunchroom, and the Ven-Den provide a variety of food services ranging from complete meals to snacks and bag lunch supplement. Banquets, special luncheons, dinners, teas, and picnics can be arranged through the Food Service Office, 220 Kirby Student Center.

Morris Campus

The Food Service Building is scheduled for completion in the fall of 1971 and will provide dining facilities for all residence hall students.

Louie's Lower Level Cafeteria has separate dining areas—the Walnut Room, the Cougar Room, and Louie's Dining Room. The Walnut Room and the Cougar Room are used for meeting rooms and special luncheons. Louie's Dining Room is used by faculty and students where you may order anything from a complete meal to a bag lunch supplement.

Special luncheons, banquets, dinners, teas, coffee parties, and picnics can be arranged through the Food Service Office.

Crookston Campus

All of the food service facilities are located in Bede Hall. Students living in the residence halls will eat in the upper Dining Room cafeteria.

The Trojan Inn, located in the lower level, is used by faculty and students where you may order meals to suit individual tastes. This facility also serves as a meeting center for students.

Special luncheons, dinners, and banquets may be arranged through the office of University Relations in Selvig Hall.

HOW MUCH WILL IT COST?

A prospective college student always must ask, "How much will it cost?" Whether he is "on his own," earning some or all of his own funds, or getting aid from parents or others, he asks the inevitable question of University advisers.

A general answer is, for residents of Minnesota, about \$2,500 for 3 quarters, somewhat less in private housing, and for those who live at home, about \$1,450. For resident students at the Technical College in Crookston, all expenses total about \$1,425 for 3 quarters. For dentistry, medicine, and veterinary medicine, expenses are about \$3,000. Nonresidents should add at least \$750 for the higher tuition required of students from out of state.

This general answer has to be qualified at once, for there are many expenses which vary with the individual and his program. In the table of estimated expenses the largest item is that for board and room. In some cases these board and room estimates will be too high—many students, living at home or with relatives, make no cash outlay for board and room; others "work out" board and room costs. Depending on tastes and special situations, the cost may be higher.

ESTIMATED EXPENSES OF MINNESOTA RESIDENTS
Fall, Winter, and Spring Quarters, 1971-72

College	Fees ¹	Books and Supplies ²	Room and Board ³	Total
Dentistry, Medicine	\$807	\$600	\$1,170	\$3,025
Veterinary Medicine	747	600	1,170	2,975
Law, Mortuary Science	603	125	1,170	2,350
Business, Institute of Technology, Medical Technology, Pharmacy, Physical and Occu- pational Therapy, Public Health	546	125	1,170	2,300
Graduate School	576	125	1,170	2,325
Other schools and colleges	522	125	1,170	2,300

¹ Includes resident tuition, student services, and other fees.

² Cost may vary. Includes \$500 for dental instruments and \$450 for microscope for medicine and veterinary medicine.

³ University residence hall rates for 1970-71 were from \$1,080-\$1,431 for room and board. The average accommodation was about \$1,170.

The overall estimate includes approximately \$50 per month for laundry and clothing expenses, and costs for such items as recreation, travel, and other incidentals. Many students spend more than the \$2,500 mentioned above.

Fees

(Subject to change without notice)

The figures given above are the best available at the time of publication of this bulletin. In the event of an increase in tuition for 1971-72, a supplement to this bulletin will be published.

Tuition

The table shows the basic tuition fee in each University division. It also shows, except in the Graduate School, that a student taking less than 12 credits a quarter may pay tuition on a credit-hour basis. You pay your fees at the time you register, before you begin your quarter's work. Fees for auditors are the same as for students registered for credit. Registration is complete when fees are paid.

Graduate students of certain classifications who are giving 25 percent or more of full-time service to the University are privileged to pay tuition at the Graduate School resident rate, regardless of source of fund, resident status, or curriculum pursued. This privilege applies also in any college to members of the immediate families of those students registered in the Graduate School who themselves qualify. Those included are fellows, scholars, assistants, instructors, research associates, and members of the teaching staff and scientific bureaus and experiment stations; they must be regularly enrolled in the Graduate School or be in the final year of the Master's degree curricula in undergraduate colleges. Civil service appointees working 75 percent time or more and who are *registered in the Graduate School* may pay fees at the resident rate. This privilege does *not* extend to members of the immediate

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; Crookston; Waseca	\$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		14.00	14.00
Independent Study Courses	No quarter fee		15.00	15.00
Summer Session	**			

* In the event of an increase in tuition for 1971-72, a supplement to this bulletin will be published.

** Summer Session fees are \$42 for 3 credits or less; 4 credits or more, \$14 per credit. For full information, consult *Summer Session Bulletin*.

families of such appointees. *Faculty members at the postdoctoral level may audit courses without registration or payment of fees. Should the need arise, an official class audit card may be obtained from the Graduate School.*

Residence counselors are privileged to pay tuition at the resident rate of the college in which they are enrolled.

Students of one college taking work in another pay the tuition fee of their own college. If you wish to apply credit for such work toward a degree from a higher fee college you must pay the tuition difference. This rule does not apply to students who have paid fees for the full normal period of residence in the higher fee college.

Extension fees are dependent on many factors and may vary widely. Fees given in the table are basic credit course fees, to which may be added other fees. For more information, please see the bulletins of the General Extension Division.

New full-time faculty members with rank of T.A. or above, civil service personnel eligible for faculty group insurance, certain accredited foreign diplomatic officials, and their immediate families may pay resident fees in all colleges. Similar provision, 1 year after their arrival, is made for military personnel on duty in Minnesota for other than college attendance. New full-time faculty on the staff of accredited Minnesota colleges (not their families) have the same privilege as provided for new University faculty. Persons for whom these provisions are meaningful should contact the Recorder's Office, 120 Morrill Hall, to make appropriate arrangements.

Student Services Fee

If you are registered for 6 or more credits in a quarter you pay the \$41 fee which entitles you to the privilege of the student unions, the University Health Service, the *Minnesota Daily*, and helps to support the student government. Students in the Institute of Technology pay 85 cents more a quarter and receive in addition the *Minnesota Technologist*. The student service fee at Duluth is \$32, at Morris is \$33, and at Crookston \$27, and includes similar services.

Extension students are not permitted to pay the student services fee.

The student services fee is required of all students in the Graduate School, except elementary and secondary public, private, or parochial teachers in service taking less than 6 credits, Ph.D. candidates taking 6 credits or less, and students doing research away from the campus.

Foreign Student Health Fee

All noncitizens are required to pay a foreign student health fee of \$5 each quarter. See section on University Health Service for explanation.

Foreign Student Aid

Foreign students are also required to pay \$2 per quarter to establish a fund for educational assistance.

Special Fees

Additional fees are charged for special services as follows:

<i>Credit by Special Examination</i>	\$20.00	<i>Course Fees</i>	
Such an examination may be taken only upon approval of the appropriate committee. (If it is taken during the first quarter after entering or re-entering the University, no fee.)		Civil Engineering Summer Camp; Modern Language Institute; Music Lessons; Physical Education; Preparatory Composition; English; Mathematics; Public Health; Rhetoric. See <i>Class Schedule</i> issued at registration.	
<i>Credentials Examination Fee</i>		<i>Music Practice Fees</i>	
Undergraduate	\$10.00	For rent of pianos, organs, and music practice rooms. Rates are given in the <i>Class Schedule</i> issued at registration.	
Graduate School	\$15.00	<i>Placement Service Fee</i> —required of degree candidates from:	
<i>Dentistry Examination Fee</i>	\$26.00	Duluth	\$10.00
For examination to determine advanced standing in Dentistry.		College of Education (except Nursing Education Majors)	\$15.00
<i>Deposits</i>		Morris (optional)	\$15.00
Art	\$ 5.00	<i>Late Fee</i> —for late registration	
Biochemistry (Ag)	\$ 5.00	Through first week of classes	\$6.00
Biochemistry (Med)	\$ 5.00	Through second week of classes	\$10.00
Chemistry	\$10.00	Third week of classes and thereafter	\$20.00
Pharmacy	\$ 5.00	<i>Record Service Fee</i>	\$3.00
To cover cost of materials and breakage.		This fee, required of all new students, provides 3 certified copies of student records.	
<i>Duplicate Diploma Fee</i>		Each additional copy	\$1.00
To replace large diploma	\$10.00	At Duluth, \$1.00 required each time student requests 1-3 certified copies of his student record. When more than 3 copies of transcripts are required, a charge of \$1.00 will be made for each additional copy.	
To replace small diploma	\$ 7.50	<i>Special Examination Fee</i>	\$20.00
<i>Graduation Fee</i> (including small diploma)		<i>Speech and Hearing Clinic Fees</i>	
Each degree	\$15.00	See <i>Class Schedule</i> issued at registration.	
<i>Hospital Insurance Fee</i> (Duluth)		<i>Thesis Binding Fee</i>	
Per quarter	\$9.20	Master's thesis	\$5.00
Required of all students taking 6 or more credits unless carrying equal hospital insurance.		<i>Thesis Examination Fee</i>	
<i>Large Diploma Fee</i>	\$7.50	For professional engineer degree	\$15.00
Any graduate may get a large diploma in place of a small one, by paying this fee in addition to the graduation fee.		<i>Thesis Publication Fee</i>	
<i>Microscope Rental Fee</i>		Ph.D. thesis	\$25.00
Partial use, one quarter	\$3.00		
Continuous use, one quarter	\$6.00		

Refunds

If you cancel all or part of your registration before 6 weeks of any quarter have passed, you are entitled to refund of tuition, student services fee, and course fees on this basis: If you do not attend classes at all, you get full refund; if you cancel within the first week, you get 90 percent; within the second, 80; third, 70; fourth, 60; fifth, 50; sixth, 40. After the sixth week there is no refund.

Members of reserve units activated for military service may receive full refund of tuition if credits or incompletes cannot be allowed.

Nonresident Student Rates

Nonresident tuition rates are charged students who have not had permanent homes in Minnesota for at least 1 calendar year. However, completion of a year's stay in Minnesota does not of itself establish residence for University purposes, and a person who moves to Minnesota, and who is a student, may not be able to demonstrate that he is acquiring residence here. Thus, the student from out of state who intends to establish Minnesota residence must assume the burden of proving conclusively that he has been a resident for the requisite time and that he intends to make his permanent home in this state.

A student may lose his Minnesota residence, for University purposes, under certain circumstances. These may include: employment outside of Minnesota or change of parents' domicile to another state.

When a student's classification may be changed, it is his responsibility to initiate action, for either loss or establishment of residence. If there is any question about his classification, resident or nonresident, the student should apply to the Office of Admissions and Records for consideration of his status. Reclassification must be in writing.

Residence Regulations and Review Procedures Approved by the Board of Regents December 4, 1970 Effective for Spring Quarter, 1971

RESIDENCE REGULATIONS

Nonresident students shall pay an additional tuition fee to be determined by the Board of Regents except as otherwise specifically indicated by Board Action.

A Board of Review for Residence Classification, made up of five staff members and three students of the University, with the Director of Admissions and Records or his representative, ex officio, passes on all doubtful or disputed cases of residence classification. In making its decisions, the board is guided by the following basic rules:

1. No student is eligible for residence classification unless he or, if he is a minor, the person from whom he derives residence is a bona fide domiciliary of this state and has lived in this state substantially continuously for at least one year immediately prior thereto.
2. For the purpose of these regulations, the term *residence* and *domicile* are synonymous. In general, domicile is the place where a person actually resides with the intention of making it his true, fixed, permanent home, and principal establishment, and to which, whenever he is absent, he has the intention of returning. The fact of physical presence at the dwelling-place and the intention to make it a home must concur and the intention must be to make a home at the moment, not in the future. The intention must be to make a home in fact in a certain place, and not an intention to acquire a domicile in order to get the benefit of the legal consequences of having a domicile there. A person may have but one domicile at a time, and a domicile once established continues until it is superseded by a new domicile.
3. As, normally, the sojourn in this state of a student from another state for the sole purpose of attending school is not residence; it is presumed that a nonresident at the time of his enrollment continues in that classification throughout his presence as a student except where it can be proved that his previous domicile has been abandoned and a new one established independently of the school and his attendance thereupon.
4. The following facts, although not conclusive, have probative value in support of a claim for residence classification: acceptance of an offer of permanent employment in this state; former residence in the state and the maintenance of significant connections therein while absent; economic, social or political compulsion causing a person to abandon a former residence and acquire residence in the state with attendance at the University only an incident to such residence.
5. The following facts, standing alone, are not accepted as sufficient evidence of domicile: employment by the University as a fellow, scholar, assistant, or in any position normally filled by students; a statement of intention to acquire a domicile in this state, voting or registration for voting, the lease of living quarters, payment of local and state taxes, or automobile registration; continued presence in Minnesota during vacation periods.

6. An unmarried minor does not have the legal capacity to establish his own domicile. Normally, the domicile of a minor follows:
 - a. That of the parents or surviving parent; or
 - b. That of the parent to whom custody of the minor has been awarded by a divorce or other judicial decree; or
 - c. That of the parent with whom the minor in fact makes his home; if there has been a separation without a judicial award of custody; or
 - d. That of an adoptive parent, where there has been a legal adoption, even though the natural parents or parent be living; or
 - e. That of a "natural" guardian, such as grandparent or other close relative with whom the minor in fact makes his home, where the parents are dead or have abandoned the minor.
 - f. If a Minnesota resident parent or guardian of a student currently enrolled at the University of Minnesota moves his residence to another state, the student shall retain residence status for at least one year.
7. Where a general guardian has been appointed by the state of the ward's domicile at the time of appointment, the ward's domicile presumptively remains in that state. The appointment by a Minnesota court of a resident guardian of a minor not domiciled in this state at the time of appointment has no effect upon the domicile of the ward.
8. Residence status may be accorded a minor whose normal familial relations with, and reasonable expectation of support from, his parents have been dissolved and (1) who has resided in this state substantially during the years of minority and for one year immediately preceding the date of registration, or (2) who without being enrolled in school, has been self-supporting and employed on substantially a full-time basis in this state for at least eighteen months immediately preceding the date of initial registration.
9. An alien student may be considered for resident status if he has been lawfully admitted to the United States for permanent residence in accordance with all applicable provisions of the laws of the United States, or if he can present documentary evidence from immigration officials or consular officials in his home country that he is eligible for resident alien status under specified conditions.
10. These residence regulations shall become effective with Spring Quarter of 1971.

RESIDENCE REVIEW PROCEDURES

Initial Classification and Appeal

Registering under proper residence and advising the Office of Admissions and Records of possible changes in residence is the responsibility of the student.

Questions of a student's residence under the rules of the Board of Regents should be raised with the Office of Admissions and Records on application for admission or as soon as possible thereafter. The initial classification of a student as a resident or non-resident will be made by the Office of Admissions and Records under procedures prescribed by the Director of Admissions and Records.

A student may appeal from the initial classification by filing with the Director of Admissions and Records, within thirty days after being notified of the classification, a written notice of appeal. The notice shall specify reasons for the appeal and shall include a complete statement of the facts on which it is based, together with supporting affidavits or other documentary evidence. Failure to file the notice of appeal within thirty days shall constitute a waiver of any right to appeal from the initial classification.

A student may first appeal to the office of University Attorney for a review of the evidence. The University Attorney or his designee may conduct a review of the record only, or give the appellant an opportunity to produce additional documentary evidence but shall not be required to conduct a formal hearing. If the appeal is sustained by the University Attorney or his designee, the record shall be returned to the Office of Admissions and Records for appropriate administrative action. A student may appeal to the Board of Review for Residence Classification for further consideration and action. The appellant shall be entitled, at his request, to testify before the Board of Review.

Reclassification and Appeal

A student, having been initially classified a non-resident and having decided that he has since become a resident, may initiate action to effect a change by filing with the Office of Admissions and Records a petition which shall include a statement of the facts on which he bases his belief, together with supporting affidavits of documentary evidence.

If the petitioner is dissatisfied with the finding of the Office of Admissions and Records, he may appeal to the University Attorney and the Board of Review for Residence Classification in the same manner as prescribed for appeals from initial classification.

Erroneous Classification

If any student who has been classified as a resident student shall be determined to have been erroneously so classified, he shall be reclassified as a non-resident student, and if the cause of his incorrect classification shall be found to be due to any material concealment of facts or false statement made by him at or before the time of his original classification, he shall be required to pay all tuition fees which would have been charged to him except for such erroneous classification and shall be subject also to appropriate discipline in accordance with University policies.

Effective Date

These procedures shall become effective in the Spring Quarter of 1971.

ATHLETIC PURPOSES

The following statement on athletic purposes is published in compliance with the athletic regulations of the North Central Association of Colleges and Secondary Schools:

The University of Minnesota's concept of the purpose of sports and athletics developed early in the institution's history. From the beginning of recreational sports and athletics on the University campus the men and women responsible for these activities have sought to relate them to the ideals, principles, and purposes of the institution's broad educational policies. Thus, from the early days of class, intramural, and intercollegiate games there has existed an increasing awareness of the special contributions of sports and athletics to the educational programs and experiences of those students who participate voluntarily for the pleasures and values to be obtained from these activities and those preparing for professional courses as athletic coaches, recreational workers, and the like.

In this past is to be found the philosophy from which arise the many specific purposes of present-day programs, including the following:

1. To provide opportunities for students to engage voluntarily in physical activities and programs of physical fitness which will contribute to their personal health and the national welfare.
2. To encourage students to develop interest in a variety of physical activities and sports which are so pleasant and satisfying to them during residence at the University that many will continue their interest and activity after leaving the campus.
3. To provide adequate facilities for both men and women students to participate in physical fitness programs including recreational games, sports, contests, and athletics outside the regularly organized courses in physical education.
4. To provide qualified and competent staff to teach the values inherent in recreational sports and athletics within the environment of the University. Desirable outcomes included are a sound understanding of the athletic exercise or contest, the required skills, the rules of sportsmanship, and the spirit of clean competition and the will to win; and, also, to develop sportsmanlike, appreciative, and intelligent spectators.
5. To emphasize such corollary values of supervised sports and athletics as the experience of team play and working cooperatively with others; respect for rules; character development; group loyalty; leadership in group activity; and associations, friendships, and social relationships through sports.
6. To give recognition to the contribution of sports and athletic activities in developing the personality of the individual student, particularly with respect to the attainment of a balanced adjustment in social, intellectual, and emotional activities.
7. To advance esprit de corps in terms of loyalty, spirit, and institutional morale, and to acknowledge the important roles of sports and intercollegiate athletics as unifying factors among students, alumni, and friends of the University.
8. To provide a laboratory for professional courses in physical education which will assist in preparing prospective leaders, coaches, supervisors, and directors of recreation, athletics, and physical education in colleges, high schools, and recreation centers.
9. To encourage the attainment of sound standards in the conduct of sports and athletic activities among universities, colleges, and high schools.

The University accomplishes these objectives in part by a sports and athletic program which includes the following elements:

1. *Sports for Individuals and Small Groups*—Students, as individuals or as members of small groups, are invited and encouraged to engage in sports and games of their choice. A wide variety is offered: golf, swimming, handball, squash, tennis, archery, fencing, bowling, ice skating. Excellent facilities are close to both campuses.

2. *Intramural Sports*—Students are also invited and encouraged to participate in group or team sports. The intramural athletic program includes baseball, touchball, softball, basketball, golf, tennis, horseshoes, handball, ice hockey, squash, swimming, bowling, boxing, volleyball, archery, badminton, table tennis, wrestling, rifle shooting, fencing, and track and field events.
3. *Intercollegiate Athletics*—Men students who meet the rules of eligibility for competition in intercollegiate athletics, as set forth in the most recently revised *Handbook* of the conference commonly known as the Big Ten or Western Conference, are invited and encouraged to report to the coach for a tryout in each intercollegiate sport in which they are interested.

The University of Minnesota was one of the founding members of the conference now known as the Big Ten or Western Conference. Only institutions having full and complete faculty control of intercollegiate athletics may hold memberships. This control relates to standards of eligibility, team schedules, ticket distribution, conference legislation, etc. In keeping with the basic principles of faculty control, the responsibility for intercollegiate athletic policies at Minnesota rests with the Assembly Committee on Intercollegiate Athletics. This committee is made up of faculty, alumni, and students, with the faculty constituting a majority. Athletics department budget-making and control and staff appointments are handled directly upon recommendation to the President by the director of intercollegiate athletics in precise accord with the procedure of budget and appointment recommendations made by the deans of the various colleges to the President.

Duluth Campus intercollegiate sports are played within the Minnesota Intercollegiate Athletic Conference with the exception of hockey which is played in the Western Collegiate Hockey Association.

The Morris Campus is a member of the Northern Intercollegiate Conference and offers a full program of intramural sports and intercollegiate athletics.

UNIVERSITY CALENDAR

Academic Year 1971-72

August 2-September 24*		Fall registration. Orientation program for new students. (Dates for the various colleges will be announced in mailed instructions. Students are urged to register early. It is expected that all returning Twin Cities Campus students who can do so will register in August)
July 15*	Thursday	Last date to file application for fall admission to the undergraduate colleges
August 27	Friday	Graduate School application deadline for fall quarter
September 1*	Wednesday	Last date to file fall request for change of college within the University
September 6	Monday	Labor Day, holiday
September 15	Wednesday	Application deadline for adult special students including teachers in service
September 16	Thursday	Last day for payment of fall quarter fees for students registered through September 10
September 17-19		Camps for new students
September 19	Sunday	Parents' Day
September 19-24		Welcome Week (Twin Cities Campus)
September 19-26		Orientation and registration (Morris Campus)
September 20-24		Orientation and registration (Crookston Campus)
September 24	Friday	Last day for registration and payment of fees for undergraduates including adult special students, except teachers in service
Fall Quarter		
September 27	Monday	Fall quarter classes begin
September 29	Wednesday	Opening Convocation (Crookston)
September 30	Thursday	Opening Convocation (Twin Cities Campus), Northrop Memorial Auditorium—IV
		hour classes excused
October 1	Friday	Last day for registration and payment of fees for Graduate School and teachers in service
October 9	Saturday	Homecoming (Morris Campus)
October 12	Tuesday	Crookston Assembly, 4:00 p.m.
October 23	Saturday	Homecoming (Twin Cities Campus)—University of Michigan
October 25	Monday	Morris Assembly, 4:00 p.m.
October 26	Tuesday	Duluth Assembly, 3:30 p.m.
October 28	Thursday	Twin Cities Assembly, 3:30 p.m.
October 30	Saturday	Homecoming (Crookston Campus)
October 30	Saturday	Homecoming (Duluth Campus)
November 9	Tuesday	Crookston Assembly, 4:00 p.m.
November 15*	Monday	Last day to file application for winter admission to the undergraduate colleges or for change of college within the University including teachers in service
November 25	Thursday	Thanksgiving Day, holiday
November 26	Friday	Floating Holiday
November 26-27		Classes excused (except Medical School)

* Students applying to or planning to transfer to professional schools and programs should consult the appropriate college to determine the deadlines. These may be much earlier than those indicated above.

December 2	Thursday	Senate meeting, 3:30 p.m.
December 3	Friday	Deadline for application for admittance to Graduate School, winter quarter
December 7	Tuesday	Crookston Assembly, 4:00 p.m.
December 7	Tuesday	Last day of instruction
December 8	Wednesday	Study day
December 9-15		Duluth Assembly, 10:00 a.m.
December 15	Wednesday	Final examinations
		All-University Commencement (Twin Cities Campus)
		Individual collegiate commencement events may be held
		End of fall quarter
December 20-30		Orientation program period, registration, and payment of fees for new students in all undergraduate colleges. New students must register as invited by the college
December 21	Tuesday	Last day for payment of winter quarter fees for undergraduates in residence fall quarter including adult specials, except teachers in service
December 24	Friday	Holiday
December 25	Saturday	Christmas Day, holiday
December 31	Friday	Holiday
January 1	Saturday	New Year's Day, holiday

Winter Quarter

January 3	Monday	Winter quarter classes begin
January 7	Friday	Last day for registration and payment of fees for the Graduate School and for teachers in service
January 11	Tuesday	Crookston Assembly, 4:00 p.m.
February 1	Tuesday	Duluth Assembly, 3:30 p.m.
February 3	Thursday	Twin Cities Assembly, 3:30 p.m.
February 8	Tuesday	Crookston Assembly, 4:00 p.m.
February 15*	Tuesday	Last date to file application for spring admission to the undergraduate colleges or for change of college within the University including teachers in service
February 20-26		University of Minnesota Week
February 21	Monday	Morris Assembly, 4:00 p.m.
February 24	Thursday	Charter Day Convocation (Duluth and Crookston campuses)
February 25	Friday	Graduate School application deadline for spring quarter
March 7	Tuesday	Crookston Assembly, 4:00 p.m.
March 9	Thursday	Senate meeting, 3:30 p.m.
March 10	Friday	Last day of instruction
March 11	Saturday	Study day
March 13-18		Final examinations
March 16	Thursday	Last day for payment of spring quarter fees for students in residence winter quarter in undergraduate colleges (including adult specials) except teachers in service
March 18	Saturday	Individual collegiate commencement events may be held
		End of winter quarter

* Students applying to or planning to transfer to professional schools and programs should consult the appropriate college to determine the deadlines. These may be much earlier than those indicated above.

March 20-24

Orientation program period, registration, and payment of fees for new students in undergraduate colleges. New students must register as invited by the college

Spring Quarter

March 27	Monday	Spring quarter classes begin
March 30	Thursday	Last day for registration and payment of fees for the Graduate School and teachers in service
April 2	Sunday	Easter, holiday
April 3	Monday	Easter Monday, holiday
April 11	Tuesday	Crookston Assembly, 4:00 p.m.
April 25	Tuesday	Duluth Assembly, 3:30 p.m.
April 27	Thursday	Twin Cities Assembly, 3:30 p.m.
May 1	Monday	Morris Assembly, 4:00 p.m.
May 9	Tuesday	Crookston Assembly, 4:00 p.m.
May 11	Thursday	Cap and Gown Day Convocation (Twin Cities Campus)—IV hour classes excused
May 22	Monday	Graduate School application deadline for first term of Summer Session
May 25	Thursday	Cap and Gown Day Convocation (Duluth Campus)—2:30 p.m. (classes excused 2:30 p.m.-3:30 p.m.)
May 25	Thursday	Senate meeting
May 29	Monday	Memorial Day, holiday
June 1	Thursday	Cap and Gown Day Convocation (Morris Campus)—Classes excused
June 6	Tuesday	Last day of instruction
June 7	Wednesday	Study day Duluth Assembly, 10:00 a.m.
June 8-14		Final examinations
June 14	Wednesday	Commencement, 2:00 p.m.; Provost's Reception following Commencement (Crookston Campus)
June 14	Wednesday	Commencement, "The Mall," 7:30 p.m.; Provost's Reception after Commencement (Morris Campus)
June 14	Wednesday	Commencement, 8:00 p.m. (Duluth Campus)
June 15	Thursday	All-University Commencement (Twin Cities Campus) Individual collegiate commencement events may be held End of spring quarter

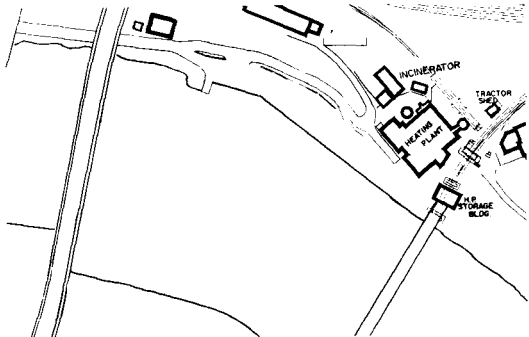
Summer Session 1972

First Term

June 19	Monday	Orientation and registration for first term; fees due
June 20	Tuesday	First term classes begin
June 26	Monday	Graduate School application deadline for second term Summer Session
July 4	Tuesday	Independence Day, holiday
July 21	Friday	Last day of term
July 21	Friday	Individual collegiate commencement events may be held End of first term

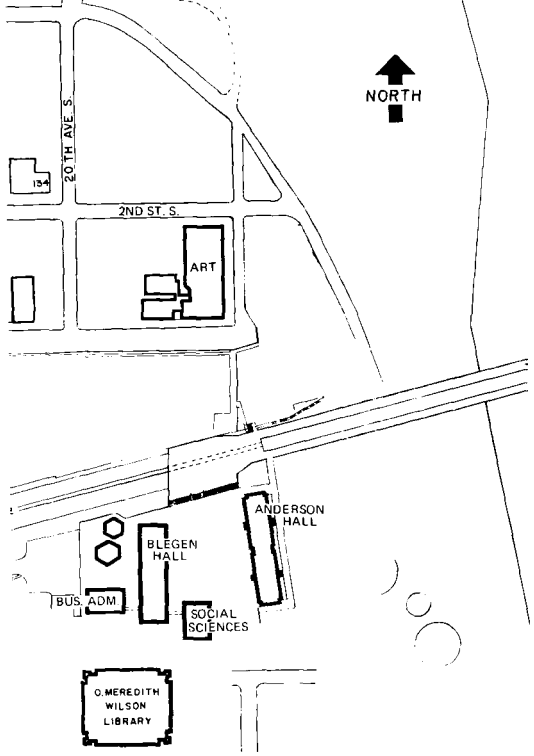
Second Term

July 24	Monday	Registration for second term; fees due
July 25	Tuesday	Second term classes begin
August 25	Friday	Last day of term
August 25	Friday	Commencement, 4:00 p.m.; Provost's Reception Following Commencement (Duluth Campus) All-University Commencement (Twin Cities Campus)
		Individual collegiate commencement events may be held
		End of second term

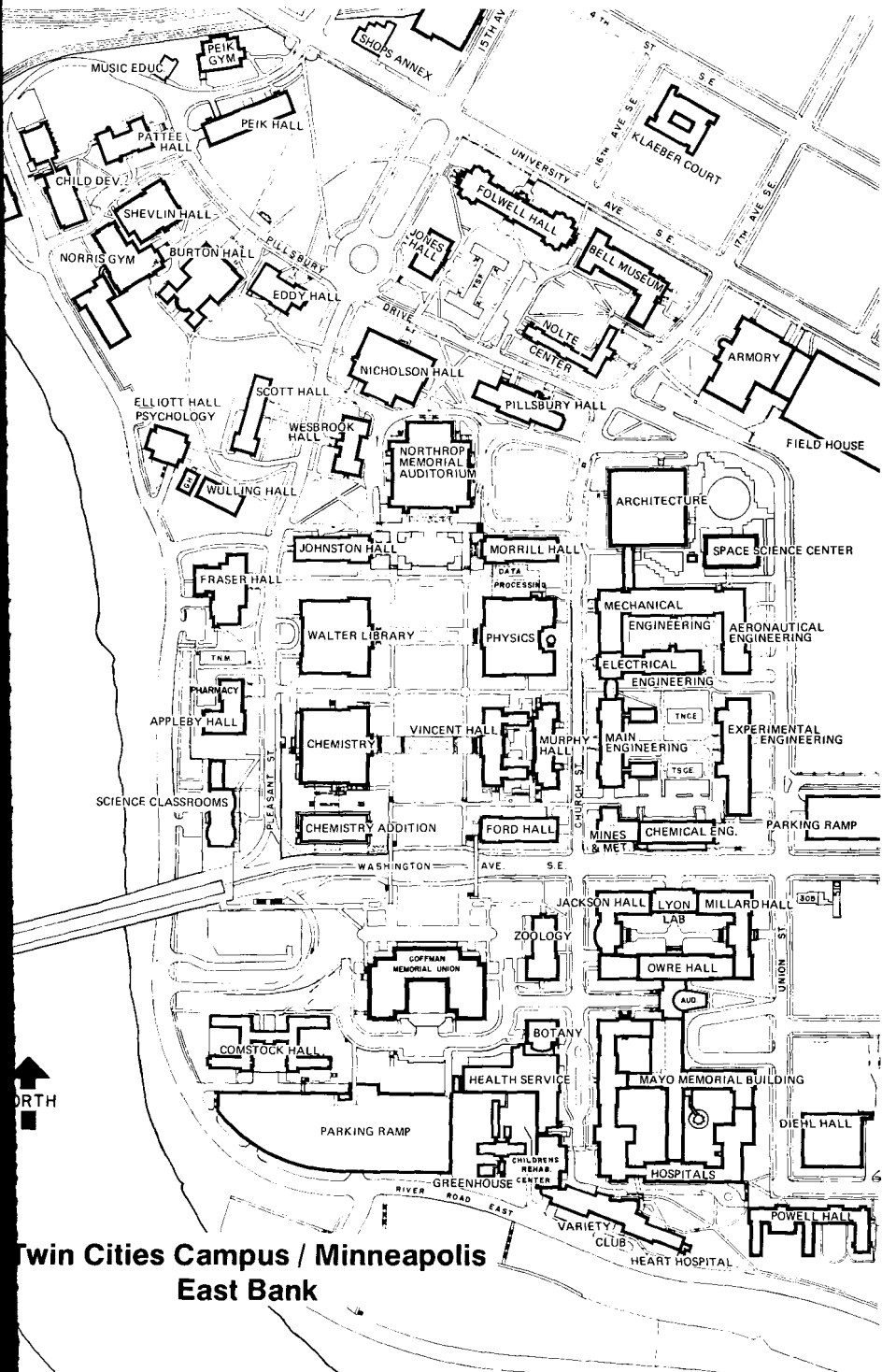


UNIVERSITY of MINNESOTA

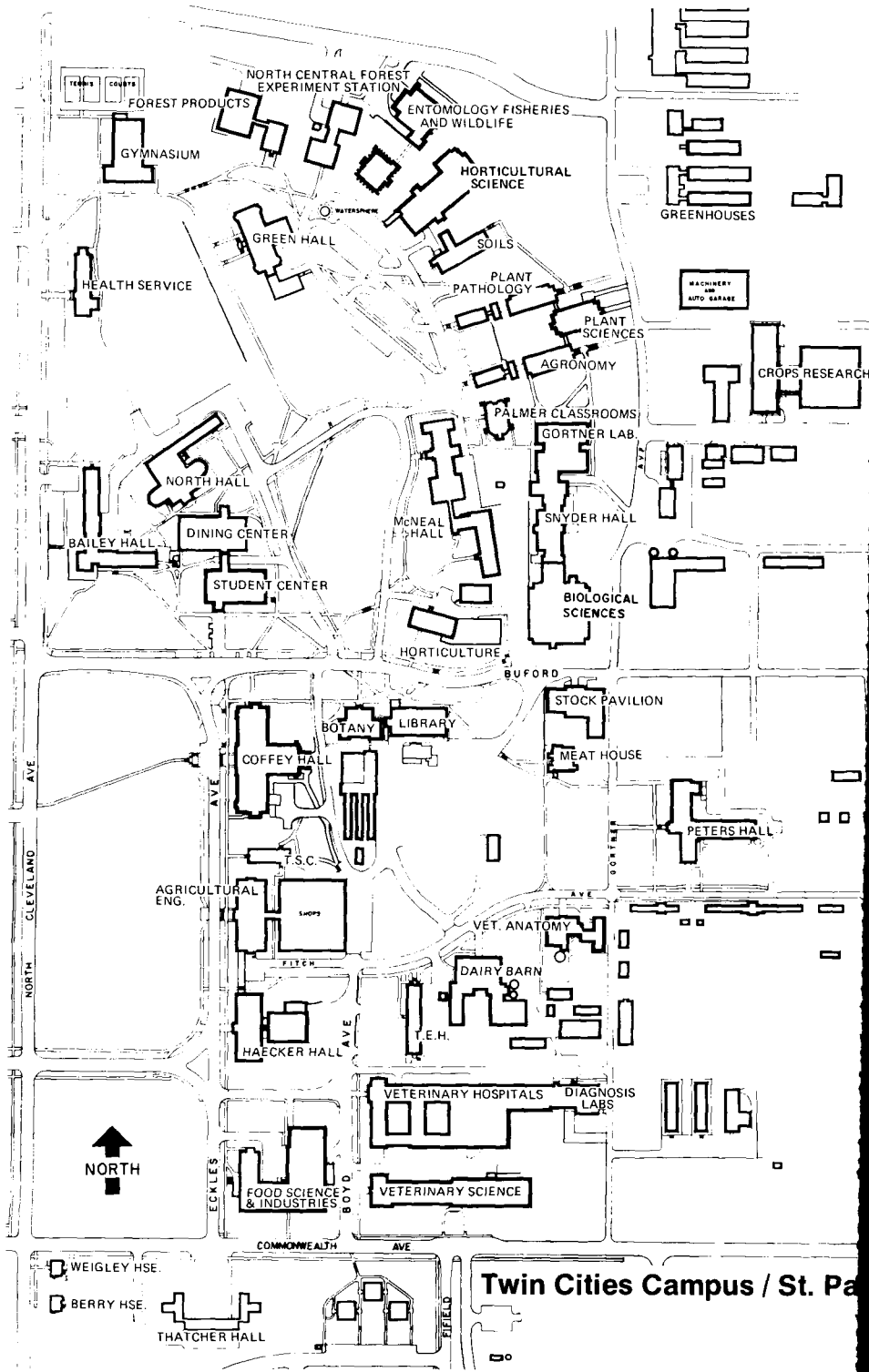
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**Twin Cities Campus / Minneapolis
West Bank**

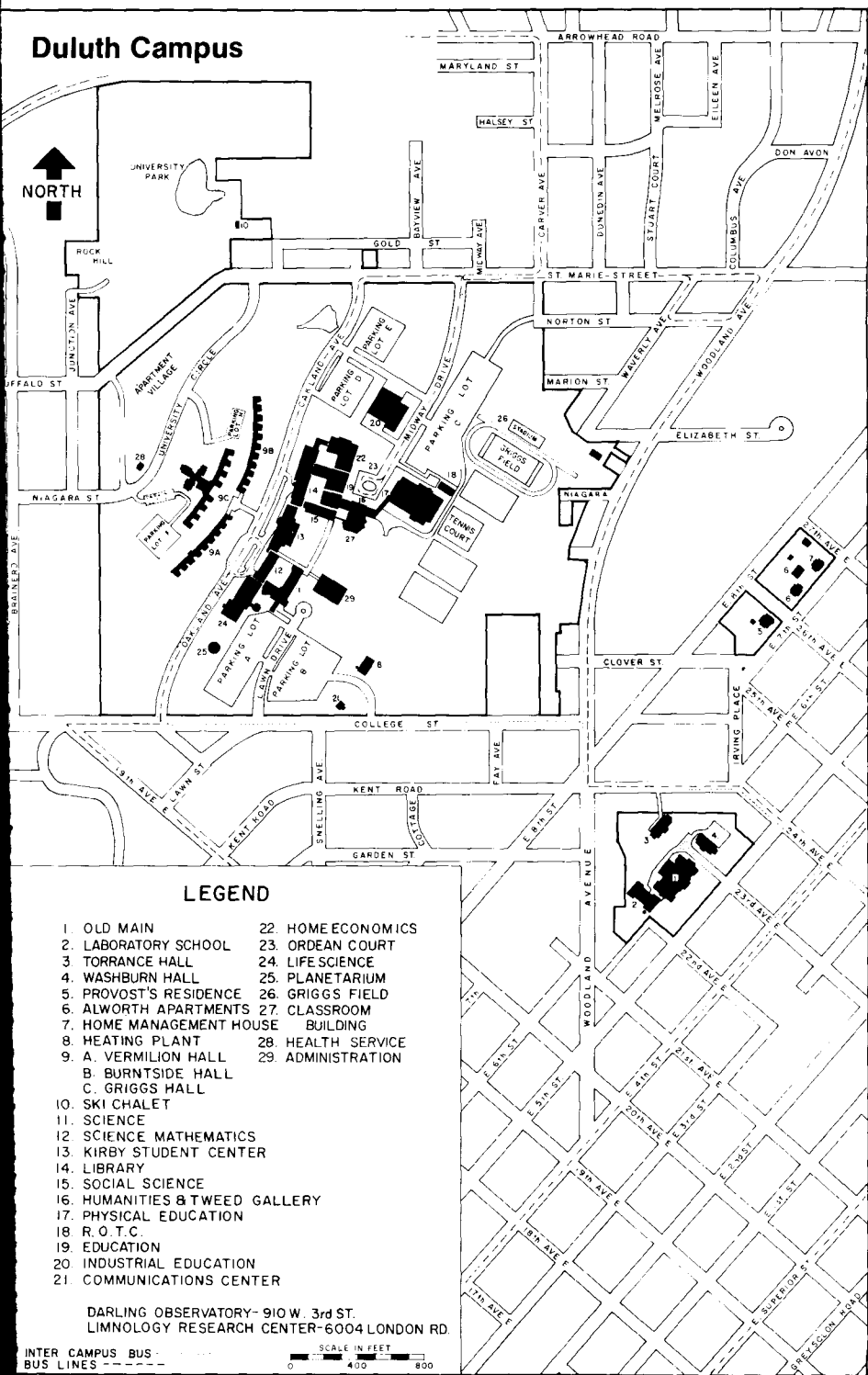


**Twin Cities Campus / Minneapolis
East Bank**



Twin Cities Campus / St. Pa

Duluth Campus



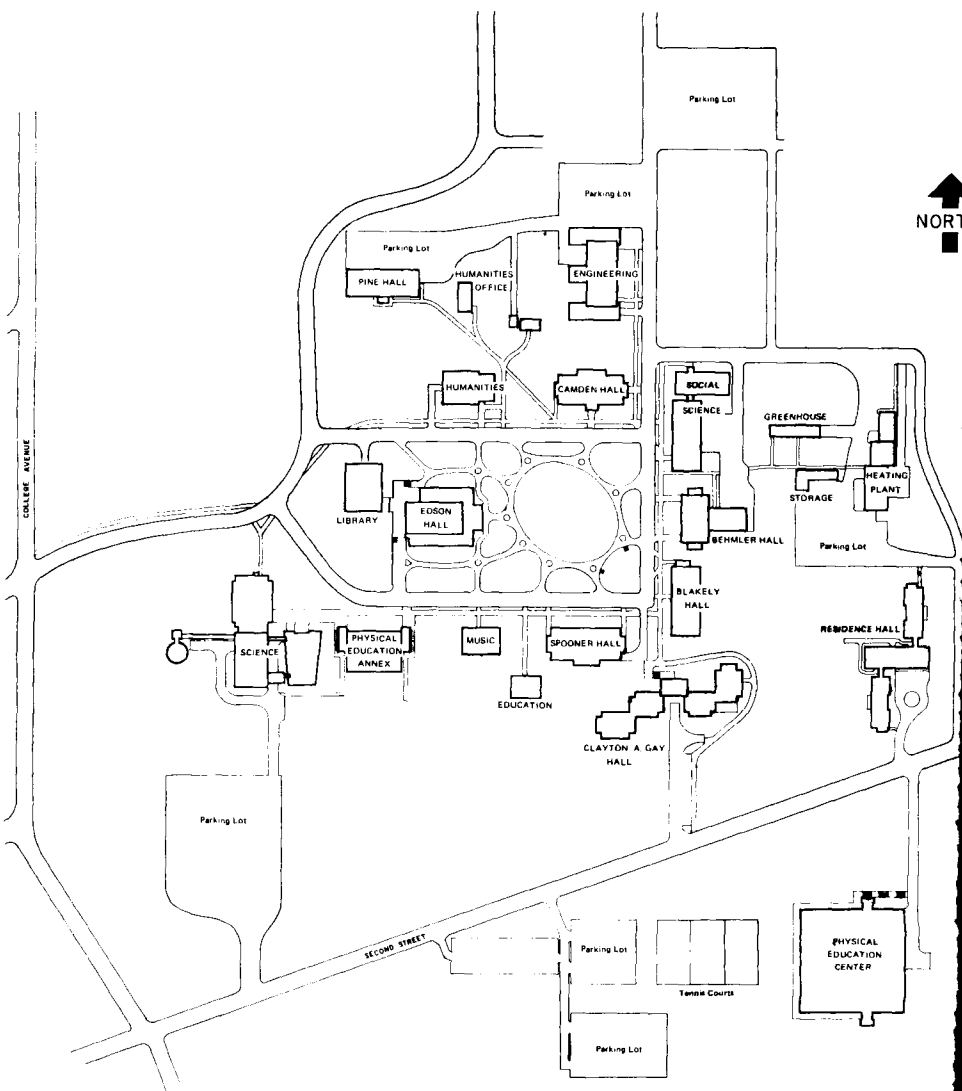
LEGEND

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|--------------------------------|--------------------|
| 1. OLD MAIN | 22. HOME ECONOMICS |
| 2. LABORATORY SCHOOL | 23. ORDEAN COURT |
| 3. TORRANCE HALL | 24. LIFE SCIENCE |
| 4. WASHBURN HALL | 25. PLANETARIUM |
| 5. PROVOST'S RESIDENCE | 26. GRIGGS FIELD |
| 6. ALWORTH APARTMENTS | 27. CLASSROOM |
| 7. HOME MANAGEMENT HOUSE | 28. HEALTH SERVICE |
| 8. HEATING PLANT | 29. ADMINISTRATION |
| 9. A. VERMILION HALL | |
| B. BURNTSIDE HALL | |
| C. GRIGGS HALL | |
| 10. SKI CHALET | |
| 11. SCIENCE | |
| 12. SCIENCE MATHEMATICS | |
| 13. KIRBY STUDENT CENTER | |
| 14. LIBRARY | |
| 15. SOCIAL SCIENCE | |
| 16. HUMANITIES & TWEED GALLERY | |
| 17. PHYSICAL EDUCATION | |
| 18. R. O. T. C. | |
| 19. EDUCATION | |
| 20. INDUSTRIAL EDUCATION | |
| 21. COMMUNICATIONS CENTER | |

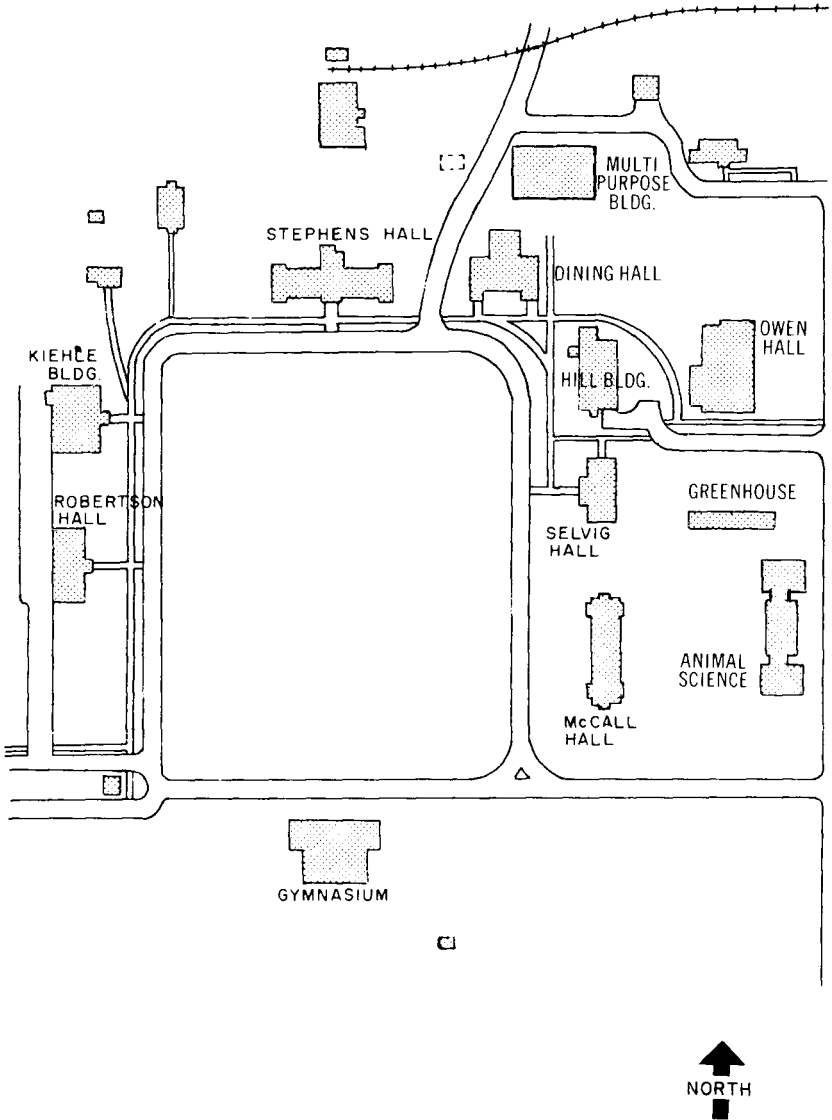
DARLING OBSERVATORY-910 W. 3rd ST.
 LIMNOLOGY RESEARCH CENTER-6004 LONDON RD

INTER CAMPUS BUS
 BUS LINES

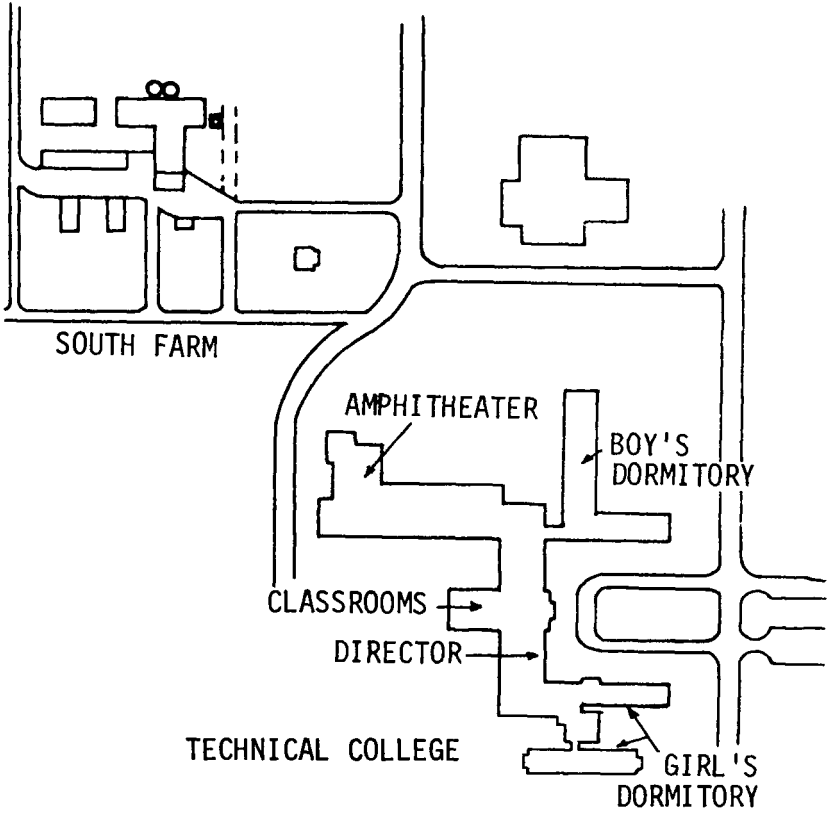




Morris Campus



Crookston Campus



Waseca Campus

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