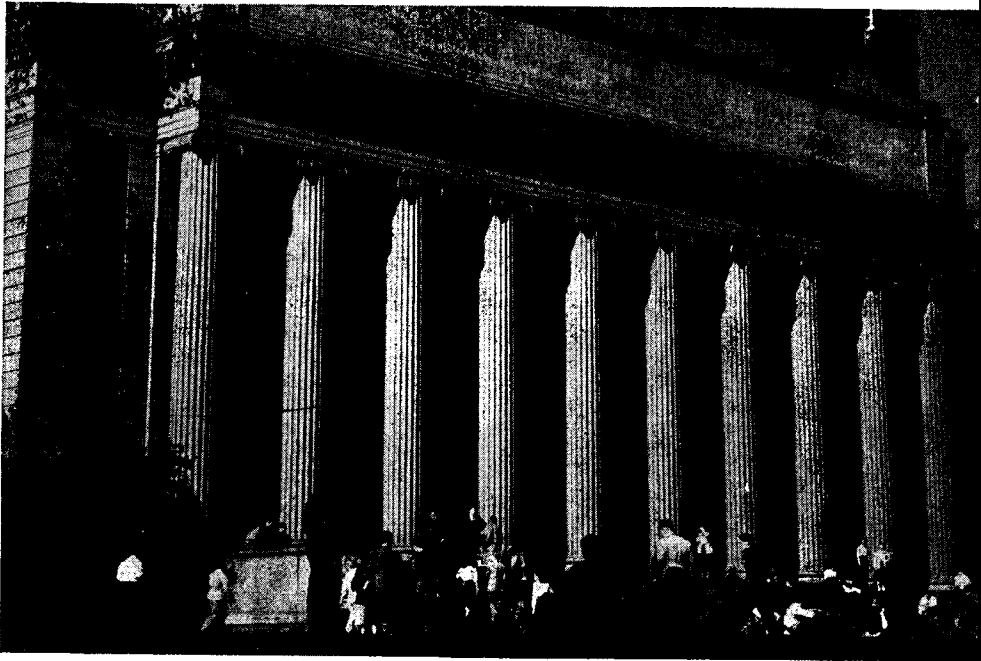


4/14/55
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Bulletin of the
UNIVERSITY OF MINNESOTA



General Information 1955-1956

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Front cover—Cyrus Northrop Memorial Auditorium. Inscription on façade:
 FOUNDED IN THE FAITH THAT MEN ARE ENNOBLED BY UNDERSTANDING,
 DEDICATED TO THE ADVANCEMENT OF LEARNING AND THE SEARCH FOR
 TRUTH, DEVOTED TO THE INSTRUCTION OF YOUTH AND THE WELFARE OF
 THE STATE.

Supplement to the

Bulletin of the

UNIVERSITY OF MINNESOTA

General Information 1955-1956

Fees Effective Fall 1955

A change in fee rates has been made effective fall quarter 1955. The new rates follow:

TUITION FEE

School or College	Quarter Fee		Credit Hour Fee	
	Resident	Non-resident	Resident	Non-resident
Agriculture, Forestry, Home Economics; Business Administration; Dental Hygiene; Duluth Branch; Education; General College; Institute of Technology; Public Health; Science, Literature, Arts.....	\$46	\$135	\$4.00	\$11.25
Law School and Graduate Work; Medical Technology; Physical and Occupational Therapy	60	150	5.00	12.50
Dentistry and Graduate Work; Medical School and Graduate Work.....	100	210	8.50	17.50
Graduate School, more than 6 credits.....	46	135	No credit hour	
6 credits or less, or thesis only.....	23	67.50	fee provided	
Mortuary Science	75	150	6.25	12.50
Nursing, Basic and Practical.....	46	70	4.00	6.00
Certificate and other programs.....	60	150	5.00	12.50
Pharmacy and Graduate Work.....	51	150	4.25	12.50
University College.....	Tuition of college in which work is taken			
Veterinary Medicine and Graduate Work.....	85	200	7.25	16.75

INCIDENTAL FEE

Institute of Technology.....	\$14.85 per quarter
Other colleges, including Duluth Branch.....	14.00 per quarter

FOREIGN STUDENT HEALTH FEE

Required of all noncitizens.....	\$ 5.00 per quarter
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January 1, 1955

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University of Minnesota

Board of Regents

The Board of Regents is composed of The Honorable Ray J. Quinlivan, St. Cloud, First Vice President and Chairman; The Honorable George W. Lawson, St. Paul, Second Vice President; The Honorable James F. Bell, Minneapolis; The Honorable Daniel C. Gainey, Owatonna; The Honorable Richard L. Griggs, Duluth; The Honorable Marjorie J. Howard, Excelsior; The Honorable Lester A. Malkerson, Minneapolis; The Honorable Charles W. Mayo, Rochester; The Honorable Karl G. Neumeier, Stillwater; The Honorable E. E. Novak, New Prague; The Honorable A. J. Olson, Renville; and The Honorable Herman F. Skyberg, Fisher.

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Malcolm M. Willey, Vice President, Academic Administration, 200 Administration Building
William T. Middlebrook, Vice President, Business Administration, 326 Administration Building
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Theodore C. Blegen, Dean of the Graduate School, 321 Johnston Hall
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J. William Buchta, Chairman, University College Committee, 225 Johnston Hall
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William H. Crawford, Dean of the School of Dentistry, 127 Owre Hall
Raymond W. Darland, Provost of the Duluth Branch
Harold S. Diehl, Dean of the College of Medical Sciences, 1360 Mayo
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Richard L. Kozelka, Dean of the School of Business Administration, 127 Vincent Hall
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Erett W. McDiarmid, Dean of the College of Science, Literature, and the Arts, 215 Johnston Hall
Horace T. Morse, Dean of the General College, 106 Nicholson Hall
Julius M. Nolte, Dean of University Extension, 152 Nicholson Hall
William L. Nunn, Director of University Relations, 213 Administration Building
Maynard E. Pirsig, Dean of the Law School, 204 Fraser Hall
Charles H. Rogers, Dean of the College of Pharmacy, 101 Wulling Hall
Athelstan Spilhaus, Dean of the Institute of Technology, 107 Engineering Building
Edward B. Stanford, Director of Libraries, 107 Library
Kermit D. Stevens, Colonel, U.S.A.F., ROTC Representative, 7 Armory
Robert Edward Summers, Dean of Admissions and Records, 232 Administration Building
William T. S. Thorp, Assistant Dean, School of Veterinary Medicine, 301E Veterinary Science, St. Paul Campus
Edmund G. Williamson, Dean of Students, 200 Eddy Hall
E. W. Ziebarth, Dean of Summer Session, 135 Johnston Hall

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New Students Tour Campus During Welcome Week

How the University Is Organized

The University of Minnesota is governed, under its charter from the State, by its Board of Regents—twelve citizens of the State elected by the legislature. Its chief administrative officers are the president, the provost at Duluth, two vice presidents, and the deans. 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 organizations and individuals.

The University grants degrees on three campuses: Minneapolis, St. Paul, and Duluth. Most of the colleges and schools, as well as the University's central administration, are on the Minneapolis Campus. The College of Agriculture, Forestry, and Home Economics and the School of Veterinary Medicine are on the St. Paul Campus. At Duluth is the Duluth Branch. Each campus has an Office of Admissions and Records.

① Who May Enter the University

The colleges of the University invite applications for admission from: (1) Minnesota residents who have been graduated from accredited high schools, or those who have Equivalence Certificates; (2) students who have completed college work elsewhere; (3) nonresidents who present above-average high school or college records; (4) non-high school graduates who hope to qualify by examination; (5) mature men and women (usually 24 years or older) who want single courses or groups of courses to meet special personal needs and not for degree purposes.

The professional schools or colleges consider applications from students who have completed (depending on the individual college requirement) one to three 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

All applications for admission to undergraduate schools are received by the University's Offices of Admissions and Records on the Minneapolis, St. Paul, and Duluth Campuses. If you wish to apply for admission, you may secure application forms from any of these offices. Freshman application forms are also available at Minnesota high schools. All completed applications should reach the Office of Admissions and Records on the appropriate campus at least four weeks before the quarter in which you wish to be enrolled. An admission certificate and registration instructions are directed to successful applicants.

Admission from High School

If you have been graduated from an accredited high school, are a Minnesota resident, and meet the requirements of the college or division of the University you wish to enter, you may be admitted to the University without special examinations.

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 to the Admissions Officer at the University of Minnesota. Almost every college of the University has made special arrangements to select worthy applicants regardless of their precollege training. See also Admission by Examination.

Requirements for the entrance of high school graduates to individual divisions of the University are described in the next sections of this bulletin.

A high school unit stands for a year of work of approximately 180 class hours in a given subject.

College of Science, Literature, and the Arts

This College, the University's largest—usually called the "Arts College"—admits high school graduates who have college aptitude ratings of 40 or higher. The college aptitude rating is the average of the high school percentile rank and the college aptitude percentile rank. Applicants should have completed 12 units in the last three years of high school, including at least 9 units from the following: English, social studies and history, mathematics, natural science, and foreign languages. Three of these units should be in English, 2 or more in mathematics, and 2 or more in any one of the other areas specified. Algebra in grade 9 may count toward the mathematics requirement but not as one of the 12 units required from grades 10-12. A foreign language from grade 9 may count toward the language sequence, but not toward the 12 credits required from grades 10-12.

Students with good high school ranks and test scores may be admitted even though they have not taken the above pattern of high school subjects (although students planning to take mathematics, sciences, or business administration in college should complete at least elementary algebra and plane geometry in high school). These include students in the top 10 per cent of their high school graduating class and students in the top half of their high school class whose college aptitude test score is 40 or better.

Applicants not fully meeting the above requirements may be requested to submit additional information. Recommendations from high school principals or counselors are encouraged.

General College

In order to allow students to try themselves out in college work and explore a variety of subject-matter fields, the General College does not have special restrictions on admission. The College is open to any resident of Minnesota who is a graduate of an accredited high school. It does not require a minimum high school rank, special standing on college aptitude tests, or a particular pattern of high school subjects.

Institute of Technology

The Institute in which education for engineering centers—students call the Institute "I-T"—admits any high school graduate who was in the top half of his class and who meets these requirements:

Twelve units completed in grades 10-12 including 3 units in English, 3 units in mathematics, 3 or more units from among the following: foreign languages, history, social science, and natural science.

One unit of algebra completed in grade 9 will count in the 3 units in mathematics. The 3 units in mathematics must include $1\frac{1}{2}$ units in algebra and $1\frac{1}{2}$ units in geometry. A full unit of general mathematics followed by a full unit of higher algebra may be substituted for the $1\frac{1}{2}$ -unit algebra requirement. It is desirable that the student complete as much mathematics as possible in high school, including higher algebra, solid geometry, and trigonometry if offered.

If a student lacks either higher algebra or solid geometry but not both, he can be admitted on the condition that he make up the deficiency by the end of the first quarter. He may take the course in the summer preceding entrance, through the Correspondence Study Department, or during the first quarter—without Institute credit. It is strongly recommended that the deficiency be made up before entering the Institute.

Students not eligible for admission to the Institute of Technology directly may apply for transfer to the Institute after a year's satisfactory work in some other college, including the General College. This work must meet the scholastic requirements of the Institute of Technology. Students who enter another college hoping to earn a later transfer to the Institute of Technology 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.

Duluth Branch

Full information about entering the Duluth Branch can be obtained from the Office of Student Personnel Services, University of Minnesota, Duluth Branch, Duluth 5, Minnesota.

In general a college aptitude rating of 40 or more is required for admission to pre-professional courses or to curricula leading to the B.A. or B.S. degree. Applicants who wish to major in art, industrial education, home economics, music, or physical education must have a college aptitude rating of 25 or above. No special grouping of high school courses is required. Admission to the two-year terminal program leading to the A.A. degree is based on a high school diploma or its equivalent.

College of Agriculture, Forestry, and Home Economics

Any high school graduate in the top 25 per cent of his graduating class may enter this College, without regard to the subjects taken in high school. However, the College prefers high school programs close to the divisional requirements described below.

High school graduates in the upper 75 per cent of their classes may enter if they have completed 12 units in grades 10-12. Nine of these should be 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 follows:

Agriculture—3 units in English, 1 unit in elementary algebra (plus 1 unit in plane geometry if the student enters any program other than agricultural education, technical agriculture, or agricultural business administration), and 1 or more units in natural science or agriculture.

Forestry—3 units in English, 2 units in mathematics (elementary algebra and plane geometry) and 1 unit in natural science.

Home Economics—3 units in English. One unit in home economics may be included in the 9 basic units.

Pre-Veterinary Medicine—3 units in English, 2 units in mathematics (elementary algebra and plane geometry), and 1 or more units in natural science or agriculture. Students wishing to prepare for the School of Veterinary Medicine should apply for admission to the College of Agriculture, Forestry, and Home Economics.

College of Education

Training for a number of teaching fields is open to high school graduates in the upper 60 per cent of their classes regardless of the high school courses they have completed. These fields are art education, business and distributive education, elementary education, industrial education, music education, nursery-kindergarten-primary education, physical education, and recreational leadership.

To enter teacher training in other fields, the College requires two years of preprofessional work in the Arts College or, for agriculture or home economics teaching, in the College of Agriculture, Forestry, and Home Economics. Students aiming at these fields must meet entrance requirements of the college they enter.

To gain advanced standing in the College, a student must have maintained an over-all C average, and an average of 1.5 (midway between C and B) in courses in his major. Application for admission with advanced standing should be made prior to June 1, for the next succeeding fall quarter, and by the Friday preceding fall and winter quarter final examinations for admission to the winter and spring quarters. Such students must also take preadmission psychological tests offered in the quarter preceding transfer.

Whether a student is well fitted for teaching is a matter the College examines both at his first registration and later at entrance into Senior College and into practice teaching. When College authorities are convinced a student is not well qualified for teaching, he may, after personal conference, be advised to go into more suitable training.

Dental Hygiene

The requirements for admission to the Program for Dental Hygienists are similar to those for the Arts College (see page 5). Chemistry is required and high school typing is recommended. Applicants should be between 17 and 35 years of age. A one-year Program in Dental Assisting is now offered through the General College.

School of Nursing

Any high school graduate between 17 and 35 years old may enter the one-year Curriculum in Practical Nursing. Those older than 35 are given individual consideration. Persons without previous college work may also be admitted to the six-quarter program in practical nursing and home management. Students may enter these programs only in the fall quarter. Other nursing curricula for which previous college work is required are also offered.

Mortuary Science

This department admits by certificate any high school graduate in the top 10 per cent of his class or those applicants who have a college aptitude rating of 35 or higher. The completion of basic units in high school science is recommended. Consideration will also be given otherwise well qualified applicants who do not fully meet the stated admission requirements. Prospective applicants are urged to request individual counseling regarding opportunities in this field.

Admission by Examination

If you are a Minnesota high school graduate, or a non-high school graduate at least 19 years of age, you are eligible to apply for admission to the University by examination. The Office of Admissions and Records will send you information about procedure. The tests are of the "objective" type that measure aptitude for college work rather than specific knowledge or preparation.

Some non-high school graduates younger than 19 may also be admitted, under a plan approved by the University, the Minnesota Council of School Executives, and the Minnesota High School Principals' Association. They must show that they are sufficiently mature to promise ready adjustment to university life and work, and they must present outstanding high school records. Their procedure: application to the Office of Admissions and Records in the usual way, together with letters of recommendation from school principal and parents; then two or three days on campus for counseling and testing, some weeks in advance of the quarter they expect to enter.

Admission with Advanced Standing

If you have finished a year or more of work at an accredited college or university, you may gain admission to the University of Minnesota with

“advanced standing”—that is, credit for courses completed. If you have less than a year of such work, you have to meet regular requirements for admission from high school. You must file official college transcripts to cover all the work you have done, whether it has been satisfactory or unsatisfactory. You should make application and supply all transcripts to the Office of Admissions and Records at least a month before the beginning of the quarter you want to enter.

Advanced Standing by Examination—You can get credit for many university courses if you can show knowledge of the courses’ content by passing examinations. Such knowledge might be gained by taking courses in non-collegiate institutions, independent study, travel, military experience, or in other ways. You should take the examinations for this kind of credit within the first six weeks of your first university enrollment following the experience. Apply to your faculty adviser, or to your college office, for information.

Admission as an Adult Special

Men and women who want individual courses or groups of courses to meet special personal needs may be admitted to the individual colleges as “adult special” students. Usually these students are 24 or older, and of mature experience. They are not candidates for degrees, but subsequent admission to a degree program is possible on recommendation of the college. In such cases credit earned as an adult special will be applied when possible. Admission is completed through the Office of Admissions and Records. Restrictions on admission of nonresident undergraduate students apply to admission of adult special students.

Admission to the Summer Session

The two terms of the Summer Session are open to high school graduates under regular entrance regulations, to students already admitted to the University, and to those who are or have been in attendance at any accredited collegiate institution. There are no nonresident restrictions. Students with credit from other colleges who are not candidates for degrees here may enter without filing credentials; but their admission to Summer Session gives them no claim to attendance in regular session. Students beginning their university attendance during the Summer Session who wish to continue in the regular academic year or who seek degrees here must apply for admission and submit credentials in the usual way.

Transfer from One College to Another

A student who wants to change at the University from one college or school 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.

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

Admission to Professional Schools and Colleges

The professional schools or colleges of the University require from three quarters to three years of "preprofessional" education before accepting students. You may take this preprofessional work at Minnesota or elsewhere. To take it at Minnesota, you must meet admission requirements of the college offering the work, and also the preprofessional requirements listed in its bulletin (which you can get from the Office of Admissions and Records). Preprofessional work from other institutions must meet the same requirements.

Preprofessional work (minimal preparation) for specific colleges may be taken as follows:

Business Administration—Two years in the Arts College; or in Agriculture, Forestry, and Home Economics; or in the Institute of Technology.

Dentistry—Two years in the Arts College.

Education—Two years in the Arts College, or in Agriculture or Home Economics, or in General College; or graduation from an accredited school of nursing.

Law—Two years in the Arts College.

Medical—Three years in the Arts College.

Nursing—Six quarters in the Arts College. (See other Nursing programs)

Pharmacy—One year in the Arts College.

Veterinary Medicine—Two years in the College of Agriculture, Forestry, and Home Economics.

Admission of Nonresidents of Minnesota

The University will consider the application for admission for non-Minnesotans who present above-average high school or college records. This implies no commitment to admit them.

Admission to the Graduate School

Any student with a Bachelor's degree from a recognized institution may apply for admission to the Graduate School. His acceptance as an advanced degree candidate will depend on his undergraduate scholastic record, which must be high, and on the approval of the department in which he wants to take major work.

Inquiries and applications should be sent to the dean of the Graduate School. You should send with an application two official transcripts of your undergraduate work, and one of any graduate work you have taken. Applications that arrive less than four weeks before the beginning of a quarter may not be approved in time for admission in that quarter.

Orientation and Registration

Each quarter the University helps the new students to get acquainted with the campus through informal "orientation programs." Through them you meet other students, new and old; you learn your way around the campus, and identify buildings and offices of special importance to you. You are introduced to campus life and activities, you meet with faculty members, and you are helped with registration procedures. A notice giving dates of orientation programs is sent to each new student soon after his admission. See the University Calendar for over-all dates for orientation and registration.



Procession to Northrop Auditorium on Cap and Gown Day

Courses and Degrees

Degrees and certificates awarded by the University are of wide variety. They range from certificates in highly specialized areas, such as that in practical nursing, to graduate degrees that may require years of advanced study. Most Bachelor's degrees require four years (twelve 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—these courses, or curricula, are described in the next section of this bulletin. Others, described later, require students to complete preprofessional work first. 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 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. There are not only the all-University Student Counseling Bureau but also similar services in individual divisions of the University.

Programs Open to Beginning Freshmen

College of Science, Literature, and the Arts

If one of your goals in coming to the University is to strengthen your understanding of the world in which you live and work and the people with whom you associate—to seek what is usually called a liberal education—you will probably register in the Arts College.

It is here that you can achieve a general education in the humanities, natural sciences, and the social sciences, in addition to concentrating in one of the thirty departmental or interdepartmental programs. Here also you can explore many fields of human endeavor to help in choosing a vocation.

At the end of four years you may earn a B.A. degree. A two-year A.L.A. degree is also available.

The Bachelor of Arts Degree—Four-year courses leading to the bachelor of arts (B.A.) degree are offered in these fields:

American studies, anthropology, architecture, art, astronomy, bacteriology, biostatistics, botany, chemistry, classics, economics, English, geography, geology and mineralogy, German, history, humanities, international relations and area studies, journalism, library, linguistics and comparative philology, mathematics, music, oriental and slavic languages, philosophy, physics, physiology, political science, psychology, Romance languages, Scandinavian, presocial work, sociology, speech and theater arts, preparation for theological training, zoology.

If you do not find a major suitable to your interests and abilities in one of these departments, you may wish to plan an interdepartmental program tailor-made to your particular objectives. This permits concentration in terms of a special interest—which may cross departmental lines—rather than in terms of a single department.

Preparation for entering the Graduate School in any of the above fields of study and also in social work and library training is also offered.

In addition, the Arts College co-operates with other colleges to offer five combined arts and professional courses:

Arts and Medicine—An eight-year course leads to B.A. and M.D. degrees.

Arts and Dentistry—A seven-year course leads to B.A. and D.D.S. degrees.

Arts and Law—A seven-year course leads to B.A. and LL.B. degrees.

Arts and Architecture—A six-year course leads to B.A. and bachelor of architecture degrees.

Arts and Dental Hygiene—A course of approximately four years leads to B.A. and graduate dental hygienist degrees.

Preprofessional Training—A basic liberal education is required in preparation for work in a number of the University's professional schools—one, two, or three years of Arts College work. Professional curricula requiring this kind of preparation are those in the Medical School, Law School, School of Dentistry, School of Business Administration, School of Nursing, College of Pharmacy, and some of those in the College of Education. Specialized courses in nursing education, public health nursing, medical technology, and occupational and physical therapy also require preparatory work.

The Two-Year Associate in Liberal Arts Degree—This recognition of the completion of two years of satisfactory work in the Arts College is intended for two groups of students:

Those who plan to attend the University for two years only;

Those who, though working for a Bachelor's degree, want formal recognition of the completion of the two years of work.

To earn this degree, you must ordinarily earn 90 credits in six or seven quarters of residence, and you must meet specific requirements in English and two of these three fields: foreign languages, social sciences, and natural sciences. Within these limits, you have broad choice from among hundreds of freshman and sophomore Arts College courses, and you and your adviser design your program to suit your own individual interests.

General College

"General education," in which the General College has for years been a leader, aims essentially to produce well-rounded individuals—men and women who can understand the intricate patterns of the modern world,

who can meet daily problems with a sound sense of values, who can live full and responsible lives.

A broad two-year program of courses in the General College, leading to the associate in arts degree, is designed to help students toward this goal. As a student in this program you may, if you wish, combine with the more general courses certain courses to prepare you for specific occupations which do not require professional training, such as business, commercial art, dental assistant, general office work, practical nursing, recreation activity leadership, retailing and selling.

The associate in arts degree is granted when you complete two years of work, including three quarters of physical education, and achieve satisfactory standing in a comprehensive examination covering the general education program. If you wish to transfer to another college of the University, your work will be evaluated by the college of your choice; if it has been of satisfactory caliber, you will ordinarily be admitted with the same advanced standing as if you had done the same amount and type of work in the Arts College.

The General College system of counseling and guidance for students is one of the major factors in the success of its general education program. Through this system, including carefully designed testing of individual abilities and aptitudes, advisers can help students plan course programs and extracurricular activities of greatest interest and personal benefit. General College counselors and instructors are always available to help students with problems in any way affecting their adjustment to university life.

Institute of Technology

The Institute of Technology offers in its four colleges and schools five-year courses leading to the Bachelor's degree in the various engineering fields, in architecture, in chemistry and physics, and in geophysics. The colleges and schools and the five-year degree courses they offer are:

College of Engineering—Aeronautical, agricultural, civil, electrical, industrial, and mechanical engineering; applied mathematics; physics.

School of Architecture—Architecture.

School of Chemistry—Chemical engineering, chemistry.

School of Mines and Metallurgy—Geological engineering (mining or petroleum), geophysics, metallurgical engineering, mining engineering (mining or petroleum).

Co-operative Work-Study Curricula in industrial engineering and in mechanical engineering providing practical work experience in conjunction with regular class and laboratory work are available through co-operation with nearby industrial concerns. Students in the work-study program are on a twelve-month basis and spend alternate quarters in industry, starting with the summer or fall quarter following the second year. While on the work assignments they are paid at regular rates by the companies. Application should be filed by February 1 of the second year at the Mechanical Engineering office. Selection will be based on scholastic ability, aptitude for industrial work, and financial need.

For students who attain the necessary standards of performance and who desire to proceed to graduate work, a bachelor of science degree may be obtained by petition at the end of four years in any of these courses except architecture.

A five-year combination degree links any of these engineering fields with work in the School of Business Administration, leading to a degree in engineering and another in business administration. A four-year combination of courses in the College of Engineering and the School of Business Administration leads to a business administration degree.

Duluth Branch

Four degrees are available at the Duluth Branch—the bachelor of arts (B.A.); the bachelor of science (B.S.); the associate in arts (A.A.); and the master of arts (M.A.). Preprofessional programs for transfer to other campuses are available.

The M.A. degree is available under Plan B (no thesis) in education or in curriculum and instruction. It has been authorized by the Graduate School and is an integral part of the graduate program offered by the University.

Four-year courses leading to Bachelor's degree offer majors in art, biology, botany, business and economics, chemistry, elementary education, English, French, geography, German, history, home economics, industrial education, mathematics, music, nursery-kindergarten-primary education, health and physical education for men or for women, physics, political science, psychology, social studies, sociology, speech and zoology. Minors in general science, geology, philosophy, and recreation also are offered. Students planning to teach in the secondary schools combine specific courses in education with the major chosen.

The two-year course leading to the associate in arts degree is a general education program in which each student, consulting with an adviser, chooses courses to fit his individual need.

Preprofessional courses, designed to meet requirements of professional schools are available in the fields of agriculture, dentistry, engineering, fishery and wildlife management, forestry, journalism, law, medicine, medical technology, nursing, occupational therapy, physical therapy, pharmacy, social work, theology, and veterinary medicine.

An Air Force ROTC program is offered on the Duluth Campus.

College of Agriculture, Forestry, and Home Economics

This College through its departments in agriculture and its Schools of Forestry and Home Economics—all on the St. Paul Campus of the University—offers Bachelor's degrees in a wide range of subject areas and, in some fields, advanced professional degrees. The four-year courses that lead to the B.S. degree or its equivalent are:

Agriculture—Technical agriculture (including a pretheological "major" in agriculture), agricultural education, agricultural business administration, agricultural journalism, dairy technology, food technology, fishery and wildlife management, science specialization.

Forestry—Forest management, forestry-wildlife management, building products merchandising and light construction, wood technology, wood technology-furniture.

Home Economics—General home economics, dietetics, home economics education (teaching and extension), home economics in business (foods, textiles and clothing, related art), institution management (cafeteria, tearoom, restaurant), journalism—home economics, home economics and nursery school education, preparation for research in (a) experimental foods, (b) nutrition, (c) textiles and clothing.

Students anticipating admission to professional study in the School of Veterinary Medicine may secure the two-year preprofessional curriculum requirements in this College.

In some fields, a fifth year of work leads to an advanced degree. In agricultural education and home economics education a student may earn a master of education degree.

Two five-year combination curricula lead to special Bachelor's degrees. In co-operation with the Institute of Technology, the College offers a professional agricultural engineering degree. In co-operation with the Institute of Technology and the Business School, it offers a degree in agricultural engineering and business administration.

College of Education

If your interest is in school work, the College of Education offers you a four-year program leading to a B.S. degree and a Minnesota teaching certificate.

The variety of courses is virtually as wide as the combined offerings of many of the University's divisions. You can prepare for teaching in kindergarten and primary grades, in elementary, junior high, or high school grades. You can specialize in academic subjects such as English, Latin, French, Spanish, German, social studies, mathematics, science, or speech . . . or in special fields such as agriculture, art, business education, home economics, industrial arts, physical education and coaching, health and hygiene, music, or teaching of handicapped children. Some courses of study give you not a one-subject major but a broad field such as natural science or the social studies.

There are also four- and five-year programs for teachers of speech correction and for those interested in public health work, public health nursing, nursing education, and recreational leadership.

Master of education degrees, involving a fifth year of graduate study, are offered in physical education for men, physical education for women, art education, music education, nursing education, industrial education, home economics education, agricultural education, early childhood education, elementary education, rural education, English education, natural sciences, and social studies.

Dental Hygiene

Program for Dental Hygienists—This program, which begins only in the fall, comprises two academic years of work in the School of Dentistry with additional work in the College of Science, Literature, and the Arts. The program qualifies its graduates to work in dental offices and public health agencies. Upon receiving the graduate dental hygienist (G.D.H.) degree, the graduate must get a license by passing an examination in the state in which she wants to work.

When students have completed the program, as specified in the School of Dentistry Bulletin, with a C average they may enter the Senior College of the College of Science, Literature, and the Arts. They may then qualify for the bachelor of arts (B.A.) degree provided that they fulfill the Senior College requirements.

Program in Dental Assisting—This program, offered jointly by the School of Dentistry and General College, prepares a young woman to perform a variety of duties as a dental assistant. The student's courses will prepare her to be a receptionist, make appointments, keep books, and assist

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

School of Nursing

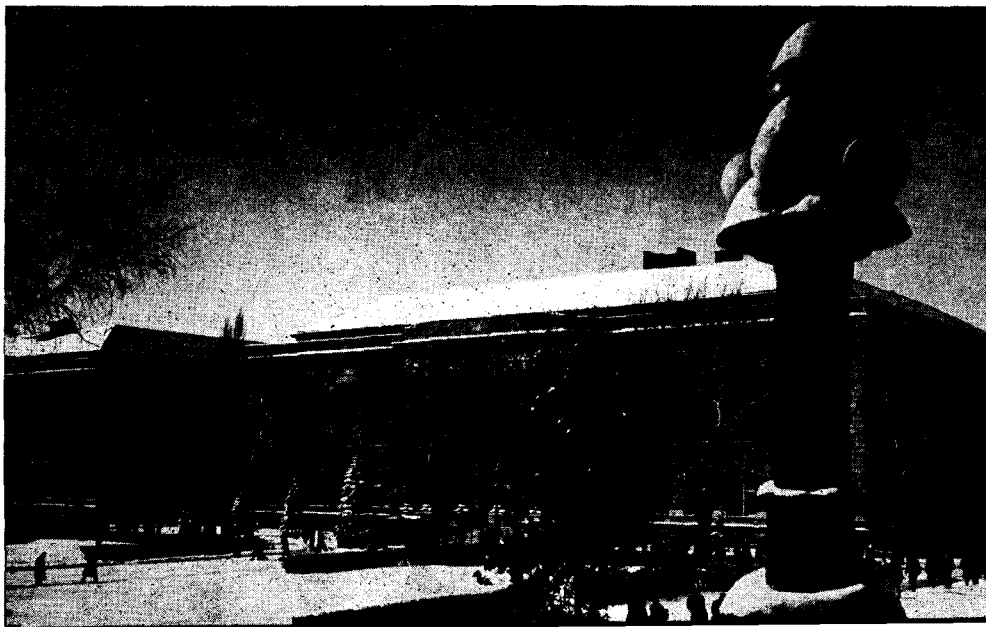
Practical Nursing—A certificate in practical nursing is granted students who finish the four-quarter practical nursing program. This program prepares students for practical nursing service in general hospitals, public health agencies, homes, and hospitals for the chronically ill and aged. Practical nursing students may earn the General College associate in arts degree by completing 45 credits in the General College either before or after the certificate program.

Practical Nursing and Home Management—For workers in rural health, the School provides a six-quarter program in co-operation with the School of Agriculture. Those who finish it are prepared to give nonprofessional nursing service and to assist with the management of homes. Students must start this program in the fall quarter. Admission requirements are those for the School of Agriculture.

Mortuary Science

This course for young men and women may be entered at the beginning of any quarter or Summer Session. The course consists of six quarters of work in a prescribed curriculum. It qualifies graduates, upon completion and awarding of the degree—associate in mortuary science—to write the state board examination in any state requiring one year of college and one year of mortuary science training. Upon successful completion of state board requirements, graduates are eligible for licensure.

The Library



Programs Requiring Previous College Work

This section of the bulletin tells about University degree courses for which preparatory work is necessary. For complete information on any of the courses, you should get the bulletin of the school or college in which the work is offered.

Medical School

The Medical Course—This course which leads to the doctor of medicine (M.D.) degree provides basic preparation for the practice of medicine, for public health service, for medical teaching, and for medical research. The course requires at least three years of premedical college work and four years in the Medical School.

Although three years of work in an "arts college" constitute the minimum required for admission to the Medical School, the Admissions Committee gives preference to candidates with the best backgrounds of general education. A thorough general education is of great importance to a physician, and four years of preliminary work—with a B.A. or B.S.—are considered preferable to three. The *Bulletin of the Medical School* gives details of entrance requirements and suggests appropriate elective courses.

The Medical Technology Course—This course, four 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 two years in the Arts College, the student transfers to medical technology to complete the requirements in advanced science courses and the technical training period of one year in the laboratories of the University Hospitals. The last year includes practical experience in hematology, bacteriology, serology, electrocardiography, basal metabolism tests, blood banking procedure, tissue preparation, and chemical analyses of blood and other body fluids.

The Physical Therapy Course—This course, four years leading to a B.S. degree, prepares graduates for work in all physical therapy techniques in hospitals, rehabilitation centers, clinics, schools, and other specialized institutions, under physicians' directions. After two years of Arts College work, the student spends six quarters in physical therapy in theory and practical application of physical procedures. The last quarter is devoted to practical experience in physical therapy departments affiliated with the University.

The Occupational Therapy Course—Graduates of this course are qualified to provide therapeutic activities, education, and recreation to the sick and handicapped in various types of hospitals and institutions. They earn a B.S. degree after two years of Arts College work, four quarters in occupational therapy courses, and ten months during the last year in practical clinical training in hospitals and institutions.

Continuation Courses—The continuation course program gives practicing physicians and others in allied fields the opportunity of keeping abreast of latest developments in their professions.

The continuation courses, which last from one day to several weeks, are administered by the General Extension Division, the Center for Continua-

tion Study, and the director of Continuation Medical Education. They cover many fields such as hospital administration, medical technology, dietetics, and nursing education, and—for practicing physicians—psychiatry, neurology, pediatrics, radiology, obstetrics and gynecology, internal medicine, surgery, dermatology, and others.

School of Nursing

Basic Professional Curricula—Sixteen quarters of college work are necessary to earn the basic degree, B.S. The first six quarters (two academic years) may be taken in the Arts College or at any approved college offering the necessary biological science, social studies, and other general education courses. Ten quarters spent in the School of Nursing are devoted to the required professional major. Basic professional nursing is open to college graduates who have had satisfactory work in social and biological sciences, preferably sociology, psychology, chemistry, and zoology.

Certificate Program for Professional Nurses—This nine-month program for graduate nurses leads to a certificate in psychiatric nursing and prepares for staff nurse or head nurse positions. The first quarter is spent on campus. The succeeding two quarters are spent at Rochester, Minnesota (principally at the Rochester State Hospital) in classes and clinical experience. Students are admitted fall quarter only. Credits earned may be applied toward a degree.

Bachelor of Science in Nursing Education—The B.S. degree program with a major in nursing education is offered jointly by the School of Nursing and the College of Education (the student registers in Education). A minor may be taken in ward administration, science teaching, child development or a clinical field of nursing: medical, obstetric, operating room, pediatric, psychiatric, rural, surgical, or tuberculosis. Students who lack certain basic nursing content may arrange for it during Summer Session.

Bachelor of Science in Nursing Administration—This program prepares graduate professional nurses for positions such as team leader, head nurse, or administrative supervisor. A minor in a clinical area such as medical, obstetric, operating room, pediatric, psychiatric, rural, surgical, or tuberculosis nursing is required. Students who lack basic nursing content may arrange to receive supplementary experience.

Master's Program in Nursing Education—This program is open to qualified candidates who have completed an undergraduate major in nursing education or who have completed an accredited program leading to a Bachelor's or a Master's degree with a major in professional nursing. This program leads to a Master's degree in education (M.Ed.).

Master's Program in Nursing Administration—The program which leads to the master of nursing administration degree (M.N.A.) is designed to prepare professional nurses for positions in nursing administration such as those of directors, assistant directors, and supervisors. This program is open to qualified professional nurses who have completed an accredited program leading to a Bachelor's or a Master's degree. Persons who do not meet the usual requirements for admission to the program may, on special consideration, be admitted to selected course work.

School of Public Health

Advanced courses for specialists in a number of public health fields lead to Master's or Bachelor's degrees.

The degree master of public health (M.P.H.) can be earned in these fields:

Public Health Agency Work—A year or more of graduate work in public health theory and practice, open to physicians, dentists, and veterinarians, earns the M.P.H. degree.

Public Health Engineering—A year or more of graduate work in public health engineering, open to graduate engineers with suitable experience who want to go into public health programs, leads to the M.P.H. degree.

Public Health Nursing—The M.P.H. degree may be earned by qualified public health nurses who have completed the necessary undergraduate work and have had three years or more of properly supervised field experience in public health nursing.

The B.S. degree with a major in public health nursing is open to properly qualified graduate nurses. A certificate in public health nursing may be earned by graduate nurses who have a Bachelor's degree but lack accredited preparation in public health nursing.

Health Education—College graduates, preferably with degrees in education or journalism, can earn the M.P.H. by four quarters or more of work in community health education. They must have adequate background in biological sciences, social sciences, and education, and at least three years of experience in public health.

Hospital Administration—A two-year program leads college graduates with adequate training in economics, medicine, or nursing to the degree, master of hospital administration. One academic year is spent in formal instruction, and a full calendar year in a hospital as an administrative resident.

School of Business Administration

Admission to the School is earned by satisfactory completion of the two-year prebusiness program. This includes certain specified courses and elective courses in the several specialized fields of study. There is, however, ample provision for general electives. The prebusiness work may be taken in a liberal arts college or in certain technical schools. At the University of Minnesota, it may be taken in the College of Science, Literature, and the Arts, the Institute of Technology, or the Institute of Agriculture.

On this broad background the School offers two years of professional training leading to the B.B.A. (bachelor of business administration) degree. You may choose the general business program, which affords the broadest opportunity for electives, or one of the following special fields: accounting, advertising, agricultural business, factory management, finance, foreign trade, industrial administration, industrial relations, insurance, merchandising and selling, office management, retail store training, secretarial and supervisory training, or traffic and transportation. Opportunities for internship experience are available in a few of the special areas.

Preparation for positions as economic analysts or statisticians—in government service or private industry—is offered in two special sequences that lead to the degree of B.S. in economics.

If you are seeking professional training in another field, in addition to business administration, certain combined programs are available. These combinations require additional time but lead to two degrees. Such combination programs have been arranged with the Law School, the Institute of Technology, and the College of Pharmacy.

School of Dentistry

The Dentistry Program—This four-year program, which leads to the doctor of dental surgery (D.D.S.) degree, requires two years of pre dental course work in an accredited liberal arts college. A grade average of C or higher is required in all pre dental courses, and must include one year of English, one year of zoology, one year of physics, one year of inorganic chemistry with qualitative analysis, and a complete organic chemistry course of at least half a year. The science courses must include both lectures and laboratory work. 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 *Bulletin of the School of Dentistry*.

The Continuation Study Program—The School of Dentistry regularly offers a series of continuation courses in different phases of dentistry 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 three days to one week in duration, and in some 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 the School of Dentistry or to the Center for Continuation Study, Minneapolis 14.

Law School

The Law School offers two degrees: the professional bachelor of laws (LL.B.) and the nonprofessional bachelor of science in law (B.S.L.). Only the LL.B. qualifies one for bar examinations and admission to practice. The B.S.L. is designed for those who want a fairly extensive knowledge of law for use in other fields, rather than for law practice.

The School provides two approaches to the LL.B.: by the "two-four plan"—two years of prelaw and four of law study—or by way of a B.A. or equivalent degree followed by three and one-half years of law. The "two-four plan," recommended by the Law School faculty, forms the core of the Law School program. It seeks to equip a lawyer not only for practice but also for the governmental, civic, and social responsibilities commonly open to lawyers.

This plan involves three periods of study:

1. Two years of prelaw study with at least a C average. This study includes the prelaw courses specified in the Arts College and Law School bulletins, or substitutes approved by the dean of the Law School.
2. The prescribed first- and second-year courses in the School. Any student who completes the two years with the minimum required average may be granted the B.S.L. degree. A higher average is required to continue into the third year.
3. Two years of advanced law work. This work includes such courses as practice, plead-

Academic Year

Fall Quarter

1955			
August 1-September 23			Fall registration. ¹ 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 students who can do so will register in August
September 5	Monday		Labor Day; holiday
September 15	Thursday		Fall quarter fees due for students registered through September 9
September 16-24			New Students' Camps, September 16-18; New Students' Parents' Day, September 18; New Students' Week, September 18-24. Details announced in instructions issued at orientation
September 23	Friday		Last day for registration ¹ and payment of fees for the undergraduate colleges
September 26	Monday		Fall quarter classes begin 8:30 a.m. ²
September 29	Thursday		Opening convocation, 11:30 a.m.; IV hour classes excused
September 30	Friday		Last day for registration and payment of fees for the Graduate School, and for teachers in service
October 12	Wednesday		Columbus Day; holiday
October 29	Saturday		Homecoming Day
November 11	Friday		Veterans' Day; holiday
November 17	Thursday		Senate meeting, 3:30 p.m.
November 19	Saturday		Dads Football Game
November 24	Thursday		Thanksgiving Day; holiday
November 25, 26	Friday, Saturday		Classes excused (except Medical School)
December 8	Thursday		Senate Meeting, 3:30 p.m.
December 9, 10, and 12-15			Final examination
December 15	Thursday		Commencement 8:00 p.m.
December 17	Saturday		Fall quarter closes

Winter Quarter

December 22	Thursday		Winter quarter fees due for students in residence fall quarter in undergraduate colleges
December 26	Monday		(Sunday, December 25, Christmas Day); holiday
December 29, 30	Thursday, Friday		Orientation and registration for new students in undergraduate colleges
1956			
January 2	Monday		(Sunday, January 1, New Year's Day); holiday
January 3	Tuesday		Registration resumes; winter classes begin 8:30 a.m. ²
January 4	Wednesday		Last day for registration and payment of fees for new students in undergraduate colleges
January 6	Friday		Last day for registration and payment of fees for the Graduate School, and for teachers in service
February 2	Thursday		Senate meeting, 3:30 p.m.
February 13	Monday		(Sunday, February 12, Lincoln's Birthday); holiday
February 20-26			University of Minnesota Week
February 22	Wednesday		Washington's Birthday; holiday
February 23	Thursday		Charter Day convocation, 11:30 a.m.; IV hour classes excused
March 8	Thursday		Senate meeting, 3:30 p.m.
March 9, 10, and 12-15			Final examination period
March 15	Thursday		Spring quarter fees due for students in residence winter quarter in undergraduate colleges. Commencement, 8:00 p.m.
March 17	Saturday		Winter quarter closes

1955 - 1956

Spring Quarter

March	22, 23	Thursday, Friday	Orientation program; registration ¹ and payment of fees for new students in all undergraduate colleges
March	26	Monday	Spring quarter classes begin 8:30 a.m. ²
March	30	Friday	Good Friday; holiday
April	2	Monday	Last day for registration and payment of fees for the Graduate School, and for teachers in service
April	26	Thursday	Senate meeting, 3:30 p.m.
May	24	Thursday	Cap and Gown Day Convocation, 11:30 a.m.; IV hour classes excused
May	30	Wednesday	Memorial Day; holiday
May	31	Thursday	Senate meeting, 3:30 p.m.
June	2 and 4-8		Final examination period
June	3	Sunday	Baccalaureate service, 3:00 p.m.
June	9	Saturday	Spring quarter closes; Commencement, 8:00 p.m.

Summer Session

First Term

1956			
June	11	Monday	Orientation and registration for first term
June	12	Tuesday	First term classes begin 8:00 a.m. ² ; fees due for students in all colleges
July	4	Wednesday	Independence Day; holiday
July	12	Thursday	Commencement, 8:00 p.m.
July	14	Saturday	First term closes

Second Term

July	16	Monday	Registration and payment of fees for second term
July	17	Tuesday	Second term classes begin 8:00 a.m. ²
August	16	Thursday	Commencement, 8:00 p.m.
August	18	Saturday	Second term closes

General Extension División

Fall Semester

1955			
September	12	Monday	Registration, fall semester, ⁴ begins
September	24	Saturday	Last day for registration, fall semester
September	26	Monday	Fall semester classes begin ³
November	24	Thursday	Thanksgiving Day; holiday
December	17	Saturday	Christmas recess begins

1956

January	3	Tuesday	Classes resume ⁴
January	30	Monday	Spring semester registration begins
February	4	Saturday	Fall semester classes close

Spring Semester

February	11	Saturday	Spring semester registration closes
February	13	Monday	Spring semester classes begin ³
June	9	Saturday	Spring semester classes close

¹ Registration subsequent to the date specified will necessitate the approval of the college concerned. See privilege fees for late registration or late payment of fees, *Bulletin of General Information and Bulletin of the Summer Session*.

² First hour classes on the St. Paul Campus begin at 8:00 a.m. fall, winter, and spring quarter and at 7:30 a.m. during the Summer Session.

³ This date does not refer to correspondence study courses, which may be started at any time during the year.

⁴ A few Extension classes are offered on the quarter basis on same schedule as day school with registration beginning two weeks preceding the opening of classes.

ing, evidence, judicial administration, administrative law, jurisprudence, legislation, trade regulation, labor law, international law, and social legislation. About half of the work is elective; up to 21 credits may be chosen from appropriate subjects in other divisions of the University, on approval of the Law School dean.

Students with B.A. or equivalent degrees may earn the LL.B. by three and one-half years of law study, most of which is prescribed. They must achieve the scholastic averages required under the "two-four plan." It is expected that this approach will be taken by students who have obtained college degrees before deciding to study law.

The B.S.L. requires two years of prelaw work and two of law. The first two years may be in specified prelaw subjects, or in such other work as individuals desire (the prebusiness course in the Arts College is acceptable). A prelaw average of C or higher is required. The law work may be either the first two years of the professional course or, if the student does not intend to earn an LL.B. degree, selected law courses to meet individual needs.

For combination courses leading to a law degree and a degree in another college, see *Bulletin of the Law School*.

College of Pharmacy

Upon the completion of the prepharmacy year, as outlined in the *Bulletin of the College of Pharmacy*, a student may apply for admission to the first year of the four-year professional curriculum.

The science and art of pharmacy deals with the preparation, compounding, and dispensing of medicinal agents and the study of their pharmacological actions, therapeutic uses, and toxic potentialities. Upon the satisfactory completion of the four years of professional work, the student will receive the B.S. in pharmacy degree.

The College also offers an optional combined five- or six-year course in pharmacy and business administration. This leads to a pharmacy degree and also a degree in business administration. Evidence of above-average academic ability is required for admission to this course.

School of Veterinary Medicine

To qualify for the degree of doctor of veterinary medicine (D.V.M.) two years of preveterinary college work must be completed with a minimum grade average midway between B and C and satisfactory completion of the four-year professional curriculum.

A minimum of six months' farm experience is recommended before entering the professional curriculum.

The training in veterinary medicine prepares graduates for private practice, federal, state, and municipal animal disease control work and food sanitation, teaching and research, and for service as veterinary officers in the Armed Forces.

University College

This College draws upon 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 the University College Committee, may arrange a study program to fit his individual needs. Upon completing it he is granted either a B.A. or a B.S. degree.

Information about University College is available at the University College Office, 225 Johnston Hall.

Graduate School

All work toward advanced degrees, no matter in which of the University's subject fields, is administered by the Graduate School. Students who have Bachelor's degrees or their equivalents may apply for admission to graduate work and undertake work for advanced degrees at two levels: the degrees master of arts, master of science, master of business administration, master of fine arts, master of forestry, or master of social work; or the degree doctor of philosophy. In the field of educational administration, the Graduate School offers beyond the Master's degree the specialist in education certificate.

Graduate programs leading to the master of arts degree with majors in education and in curriculum and instruction have been authorized at the Duluth Branch. All graduate students taking these programs are regularly enrolled in the Graduate School.

Inquiries about graduate work should go to the dean of the Graduate School, 316 Johnston Hall.

Other Study Opportunities in the University

Summer Session

Two terms of regular university courses are offered each summer. In each term you can take about half as many credits or courses as in fall, winter, or spring quarter; in the two terms you can complete a full quarter's work.

Most major divisions of the University offer summer courses.

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

General Extension Division

Extension classes in the evenings—and some in late afternoons—are available in the Twin Cities, Duluth, and some other communities where there is need for them. Usually an evening course meets once a week for seventeen weeks, in a two-hour session. Correspondence courses are open to any student, no matter where he lives, if he meets qualifications. Evening classes and correspondence courses cover many of the regular University subjects, as well as special offerings designed to meet special needs or interests of groups in the area served by the University. All these study opportunities are open to anybody who, through education, experience, or maturity, is able to profit from them; there are no general admission requirements.

The student can use either evening or correspondence courses to earn credits toward a degree, provided he has the necessary prerequisites and is qualified for admission to the University. Evening classes in the Twin Cities

and Duluth are classed as residence work; correspondence courses are not. Some divisions of the University have specific limitations as to the amount of degree credit to be granted for correspondence work, or specific requirements that must be met.

Short courses, lasting from a few days to some weeks, are offered—mostly at an advanced level—for men and women in professional, business, and industrial fields. Most of these are held in the Center for Continuation Study, a special self-contained unit, with living and teaching facilities, on the Minneapolis Campus.

The Division also provides other educational services. Headquarters are in Nicholson Hall on the Minneapolis Campus.

Reserve Officers Training Corps

The ROTC, through its three services—Army, Navy, and Air Force—gives college men students an opportunity to combine military or naval training with their academic work. Students are eligible for ROTC enrollment if they are registered in academic courses leading toward degrees, if they are United States citizens, and if they meet physical and other qualifications. The general requirements of the three services, and their special characteristics, are described in the *University Bulletin of the Army-Navy-Air ROTC*.

Special Services for Students

Students' Health Service

Incidental Fee Benefits—Student health is a major concern of the University as well as of the individual. The Students' Health Service provides medical care and health counseling for all students. No charge is made to students for medical examinations, for general care, or for consultations with a specialist on physical or mental health problems. 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 \$30 per quarter. Charges are made on a cost basis or less for drugs, glasses, and dentistry.

Students Without Hospital Insurance

Such students are entitled to four free days of hospitalization in the Health Service per quarter including all extras (except private duty nursing or surgery) and \$6 per day toward the hospital bill after the fourth day.

Students With Hospital Insurance

1. Students who feel they have adequate hospital insurance may choose to take a refund on the hospitalization portion of the incidental fee which is \$2 per quarter. Students accepting this refund may be hospitalized at 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 manager of the Health Service, Room 205C, Health Service building, during the first ten days of each quarter.

2. Students with hospital insurance may wish to have additional coverage. They may do so by not taking the \$2 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 of the Health Service except dentistry, glasses, or drugs. If not used, this credit will revert to the Health Service when the student leaves the University.

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 incidental 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 now required to carry additional health protection at a cost of \$8 per quarter unless they have acceptable health insurance, when they may be eligible for exemption from this fee. Any student who thinks he might qualify for this exemption should apply within ten days of the opening of the quarter to the business manager of the Students' Health Service.

A foreign student is entitled to the following protection and benefits for this fee:

1. Complete hospitalization coverage up to \$750 per quarter above that provided by the regular Health Service program.
2. Medical and surgical care (except dental care) at no cost. All services must be through the Students' Health Service unless referred elsewhere by the Health Service.
3. Special duty nursing if ordered by a physician.
4. Coverage for accidents, injuries, or emergency illness during the quarter and during the Christmas holidays and spring vacation whether in the vicinity of the University or elsewhere. Students leaving the campus during the quarter or between quarters may apply to the Business Manager, Room 205, Students' Health Service, for an identification card which will serve as verification of this special coverage.
5. Coverage during the summer vacation if registered for three quarters and if in residence in the immediate vicinity of the Twin Cities so that care may be obtained at the Health Service. (Care obtained elsewhere must have prior Health Service approval.)
6. No charge for prescribed drugs.
7. Free repair of glasses.
8. No limits on x-ray therapy or physical therapy.

For the present there is no provision for coverage of a foreign student who leaves the University of Minnesota at the end of spring quarter and does not plan to return to the University of Minnesota but is touring the country on vacation. If a foreign student is going to make such an extended vacation tour, he should take special insurance to cover him while taking such a vacation.

If additional information on the above plans is desired, call Ext. 169 at the Health Service, Minneapolis Campus, or make an appointment with the business manager.

Counseling Aids

No two among the University's thousands of students face exactly the same problems. To give maximum aid in adjustment to university life, in study problems, in choice of vocation, in budget-making, in housing, speech and hearing difficulties, taking part in student activities, veterans' questions—in every area of special need the University can foresee—a series of personnel services has been set up. If you need such services, the individual agencies or the Office of the Dean of Students, 200 Eddy Hall, Minneapolis Campus, can help.

Student Counseling Bureau—You can talk to trained counselors in the Student Counseling Bureau, 101 Eddy Hall, about vocations you should con-

sider, courses you may wish to take, methods of reading and studying effectively, or other personal problems you may have. Approximately one-third of the students in the University have talked to these counselors about marriage and family relations, dating, engagements, parent relations, vocational educational problems, and similar matters. Special services are provided for physically handicapped students.

Frequently a single problem makes itself felt in many ways—worrying about lack of money for example, may show itself seriously in your grades. If you have problems that worry you or if you wish to review your progress in school, you are urged to talk with the Bureau's specialists.

Precollege counseling is available at a small fee to those who have not yet entered the University (no fees are charged of University of Minnesota students). If you are considering applying for admission to the University, you are encouraged to come to the Student Counseling Bureau for information about colleges in the University, courses which are available to you, or about the various University facilities available. Not only have students in difficulty found they can receive help from counselors but students making satisfactory progress have found they can learn to become more efficient students and more effective citizens through discussions with counselors.

Public Law 550 Veterans—If, as the result of service anywhere in the world since June 27, 1950, you are entitled to educational benefits under Public Law 550 (the so-called "Korean GI Bill"), and have not yet made application for these benefits, you may obtain the proper forms and assistance in filling them out at 114 Administration Building. You will not be paid unless and until you make application and you should complete the form before you start classes. You pay your own fees and buy your own books under this law. Full payments for undergraduates are made for 14 credits per quarter (or more) and proportionate payments are made for smaller loads.

If you have already applied for these benefits and obtained a Certification for Program of Education and Training which is endorsed to the University of Minnesota, you need only present the certificate at the Veterans Account Window (No. 18) on the first floor of the Administration Building (or at Room 220 Coffey Hall on the St. Paul Campus) and show the receipted fee statement which indicates that you have completed your registration.

Every Public Law 550 veteran must fill out and present a Monthly Attendance Report at the Veterans Account Window between the first and the sixth day of each calendar month.

Additional printed informational material and specialized assistance may be obtained by writing or calling at 114 Administration Building.

Public Law 346, 16, or 894 Veterans—If you are a veteran registering under Public Law 346, 16, or 894, you should make 302 Johnston Hall your first contact with the University. This office provides assistance to World War II veterans and disabled veterans of both World War II and the Korean conflict with matters pertaining to registration and the interpretation of Veterans' Administration regulations affecting University programs. It provides counseling and authorizes textbook and supply orders for such veterans.

Selective Service Certification—Because its men will be more useful citizens when they have completed their education, the nation's Selective Service policy calls for encouraging qualified students to stay in school as long as they can. If you place high enough in your class each succeeding year

(or make a high enough score on the Selective Service College Qualification Test), you can request continued deferments for full-time study until you receive the Doctor's degree. Complete information about the qualifications, help in making out the necessary forms, and counsel in solving your personal Selective Service problem is available at 114 Administration Building. In advance of coming to the campus, you may obtain on written request a folder of information on Selective Service as it will apply to you here.

Student Activities Bureau—The University believes that taking part in student activities is a significant part of college education. To give students an opportunity to participate in community life, scores of student groups—professional, social and cultural, religious and recreational, athletic and oratorical, everything from dancing clubs to the All-University Congress, a student-government group—have been organized. The Student Activities Bureau, located in 114 TSMa, exists to aid new groups toward sound organization, to supervise and guide groups in matters of program and finance, and to help individual students in selecting their extracurricular activities.

Foreign Student Adviser—Students from other countries are urged to call at 302 Eddy Hall, the office of the foreign student adviser. This office helps foreign students to meet federal, state, and local regulation problems, aids in liaison with their own governments, and advises them on university and personal problems as well. One of its functions is to guide foreign students to the proper campus agencies for help in problems of language, registration, finances, and social activity.

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, 211 Eddy Hall, serves as a center where information may be secured concerning the 27 religious organizations on the Minneapolis and St. Paul campuses. Liaison is provided between the University and the diverse religious groups, their pastors, priests, rabbis and advisers.

Speech and Hearing Clinic—Students with speech or hearing difficulties are urged to contact the Speech and Hearing Clinic in 205 Shevlin Hall. Here they will receive a free speech and hearing analysis and counsel concerning the possibility of reducing or eliminating any handicap they may have. If clinical help is needed, the student is assigned several appointments each week to work on his problem under the direction of one of the professional staff members of the Clinic. Students may receive help for such problems as stuttering, defective articulation, voice quality deviations, foreign accent, and handicapping speech anxieties. Students with a hearing problem may receive speech therapy and training in lip reading. A fee of \$5.00 per quarter is charged for these services.

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.

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.

Cultural and Recreational Opportunities

University Library—The University's library system centers in the main Library on the Minneapolis Campus, which provides recreational as well as educational materials for students.

In addition, there are in several of the schools and colleges specialized libraries, and "work collections" in many departmental offices.

Convocations—Most Thursday mornings, at 11:30 o'clock, the University holds its convocation program for students, faculty, staff, and the public. Convocations are nearly always presented in Northrop Memorial Auditorium, although infrequently in the Union Ballroom. Programs range from lectures on vital current topics to music and dance recitals and dramatic offerings. During the course of the year several "big name" features are offered for students, faculty, and staff only. These are presented at 11:30 and at 12:30, each half of the program being different. The purpose of the convocations, which are taped and rebroadcast by KUOM, is to bring ranking figures in current thought, news, science, adventure, entertainment, and the arts before the University and its community.

University Gallery—The Gallery, on the third and fourth floors of Northrop Auditorium, presents each year a series of art exhibitions of unusual interest.

Through the Gallery two loan services operate. The University's collection of original works is lent to the faculty for classrooms and offices. The collection of framed prints is available to students for their rooms. The framed prints are lent during the first week of each quarter, from west corridor, third floor, at 50 cents a quarter.

Music—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 top flight 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, 105 Northrop Auditorium.

The Minneapolis Symphony Orchestra, with Antal Dorati as conductor, makes its home in Northrop Auditorium on the Minneapolis Campus, and offers its annual series of evening and Sunday afternoon concerts there. Special season ticket rates are open to students and faculty. The Symphony office is in 110 Northrop.

A spring season of the Metropolitan Opera is also brought to the campus under the combined sponsorship of the Department of Concerts and Lectures and the Minneapolis Orchestral Association. This season of opera usually comes the middle of May and presents four operas by the Metropolitan Opera Company.

Participation in campus musical life is open to *all* students—not only to music majors—both in Department of Music courses and in the three large volunteer musical organizations it directs.

The University band has two divisions. The marching band plays at sports events and other student functions, and makes a trip each fall to an out-of-

town football game. The concert band presents a number of public concerts each year. Any student may apply for band membership in 12 Northrop.

The student symphony orchestra, primarily for those who want well-directed orchestral experience, also offers public concerts. Its office is 107 Scott Hall.

The mixed chorus presents both long and short public programs. Its office is also in 107 Scott Hall.

The Department of Music also organizes vocal and instrumental ensembles for student participation. Its courses in applied music, from beginning classes to advanced, are available at a regular fee schedule. It also offers courses in music appreciation, music history, and the like.

Theater—The Major Season of the University Theatre provides an opportunity for students to enjoy some of the greatest plays ever written. The Theatre also presents an Arena Series, a Young People's Series, a Foreign Language Series, a Studio Series, and a student-directed series. In conjunction with the Department of Concerts and Lectures it operates two touring companies, and in conjunction with the Department of Music it presents operas. With such an extensive program, students interested in the Theatre find ample opportunity to participate both as technicians and actors.

The University Newsreel Theater, in the ballroom of Coffman Memorial Union, presents each Wednesday a careful selection of current newsreels at low price.

Museums—"Habitat exhibits," nearly a hundred displays of Minnesota animal life mounted in typical environment, are featured in the ivy-covered Museum of Natural History on the Minneapolis Campus. These exhibits are open to the public, without charge. In addition, many thousands of specimens of regional mammal and bird life are available here for study by students and qualified visitors.

A number of smaller specialized exhibits—such as rare books in the University Library and scientific and technical collections in other departments—are maintained for use and study by University classes and the public.

Physical Education, Athletics, and Sports—Elaborate opportunities for sports and exercise are open to both men and women students. Though the intercollegiate athletics program for men is best known, nonvarsity sports attract several times as many participants each year.

For women, instruction in a wide variety of seasonal sports, dance, body conditioning, as well as recreational activities, centers in the Norris Gymnasium for Women. All instruction is under expert leadership. The Women's Athletic Association is comprised of organized athletic programs and honorary clubs in aquatics, modern dance, tennis, badminton, riding, tumbling, and golf; these activities are under joint faculty and student leadership and are open to all women in the University.

For men students a broad plan of organized intramural sports and other leisure time activities is supplemented by extensive facilities for recreation. Cooke Hall, the Memorial Stadium, the Field House, and the Williams Arena provide abundant opportunity for gymnastics, handball and squash, boxing and wrestling, swimming, skating, and other recreational activities. Outdoor playing fields and tennis courts, the indoor ice skating rink, and the two golf courses near the St. Paul Campus are open to both men and women.

General Social Programs—Students organize much of their social and extracurricular activity around the facilities of three Unions.

At the Coffman Memorial Union on the Minneapolis Campus, full-time program consultants aid 35 Union student committees in planning and conducting a wide variety of recreational and social enterprises. For student groups, the Union has meeting and office rooms, general lounges, two ball-rooms, a card room, restaurant and soda fountain facilities, an aircraft workshop, billiard and pool tables, and a 16-lane bowling alley.

The Union on the St. Paul Campus has similar facilities. The Village Union, at University Village, for married veterans and their families, provides not only similar facilities but also play center facilities for small children.

Financial Aids

Student Loans—Should you need financial aid or advice, the Bureau of Student Loans and Scholarships, 201 Eddy Hall, may be able to help you. Loan funds have been set up to help any student who is making normal progress toward an educational objective. Usually you must have finished two quarters at the University before a loan will be granted you, but emergency needs get special consideration.

Scholarships and Merit Awards—Scholarships for entering freshmen, chosen from among graduates of Minnesota high schools, are offered through the Bureau of Student Loans and Scholarships. This fund is supported by gifts from alumni and friends of the University through the Greater University Fund. The scholarships, which range from \$200 to \$500, are awarded to applicants on the basis of scholarship, character, leadership, vocational and academic promise, and relative need. Applications should be made through Minnesota high school principals in January.

Veterans of World War I, or their direct blood descendants, are eligible for LaVerne Noyes scholarships. Applications go to the Bureau of Student Loans and Scholarships.

Other scholarships and merit awards are offered annually to students in many of the University's fields of study, usually as cash grants in recognition of outstanding achievement record. Information about these awards is available at the Bureau of Student Loans and Scholarships.

In addition to the cash awards, a large number of trophies and medals go each year to students in recognition of unusual achievement, scholastically or in other phases of the University life.

Graduate Assistantships and Fellowships—Graduate students have open to them a number of teaching assistantships and fellowships—usually requiring part-time work—in many University departments. You can get information about these from the Graduate School or the college concerned.

Counselorships—For selected graduate students there are a number of counselorships, in dormitories and fraternities, which provide room and board and require part of their holders' time. The Office of the Dean of Students can furnish information about these positions.

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).

"Rehabilitation funds" for the education of disabled persons are available through the State Department of Education. Applications for aid from these

funds go to the Division of Vocational Rehabilitation, State Office Building, St. Paul 1, Minnesota.

Aids to Veterans—See page 26 for information about Public Law 550 and Public Laws 346, 16, or 894.

A veteran who is a Minnesota resident may, if his eligibility under the Veterans Administration has expired, be eligible for limited tuition assistance from the State Department of Veterans' Affairs. Direct inquiries to the Department at Fourth Floor, Shubert Building, St. Paul 2, Minnesota.

Student Employment Bureau—If you need a job to help meet school expenses, the Student Employment Bureau, 153 TSF, will help you find part-time work either on or off campus. Apply in person at the Bureau after you have enrolled and know your class schedule. Your chances of being placed depend on the supply of jobs, your qualifications, your need, and the hours you have available. Very frequently a job will provide valuable experience as well as financial assistance. Work for board and room is usually available for girls, and sometimes for men or married couples.

Housing Facilities

Most out-of-town students live either in University-maintained residence halls or in private rooming houses. All such students must live in University-approved residences, under substantially the same obligations. Information concerning residence halls may be obtained from the Director of Women's Residences at Comstock Hall, and from the Director of Centennial Hall (for men), or from the Student Housing Bureau, 209 Eddy Hall.

Information about private rooming houses may be obtained from the Student Housing Bureau.

Women's Residence Halls—Sanford Hall, Comstock Hall, and the Winchell Cottages provide room and board, counseling services, health supervision, and varied activity programs for women students.

Sanford Hall, for freshman, upperclass, and graduate women, is located on University Avenue near the main entrance to the campus.

Comstock is the hall for sophomore, junior, senior, and graduate women. It is situated on the Mississippi River close to the center of University life.

Winchell Cottages on University Avenue near Sanford Hall provide low-cost living for undergraduates and graduates in small comfortable units, where the women share in the work to cut expenses.

Men's Residences—Pioneer and Centennial Halls provide room, board, and social and athletic programs for men students, as well as counseling services. Costs are held at a minimum. Pioneer Hall will be occupied largely by freshmen, Centennial by upperclass and graduate students. Many residents can earn part of their board and room by work in the halls.

St. Paul Campus—On the St. Paul Campus dormitory rooms are available for men in the Dining Hall Dormitory and for women in Brewster Hall through the school year. The dormitories are open during the summer if there is sufficient demand. Meals are available at the campus cafeteria.

Housing for Married Students—University Village has a limited number of housing units for student families. Minnesota resident veteran families with children get first priority. However, the demand for family housing is

decreasing and it is hoped there will be housing available for all families with children. The University Village projects are midway between the Minneapolis and St. Paul campuses and adjacent to the St. Paul Campus. Applications should go to 108A Westbrook Hall, Minneapolis Campus.

Vacancies in other housekeeping and sleeping rooms are reported to the Student Housing Bureau, where married students may get help with housing problems. Many 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.

Private Housing—Rooms or apartments in private residences must be engaged “on the spot”—no reservations can be made before arrival on campus. Single students are assured that adequate housing will be provided. Single students, whether undergraduate or graduate, must have approval of the Student Housing Bureau to live in an apartment.

If you select quarters not in residences already approved by the University, you must get the approval of the Student Housing Bureau director before occupying them. The Bureau recommends that in either case you sign a contract on a University form, and for one quarter at a time.

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

Women students living in private rooms and rooming houses are expected to follow hour regulations established for the University’s women’s dormitories. They may entertain callers in suitable rooms until 12 midnight any night of the week. Earlier hours may be established with mutual agreement of householder and students.

Moving to Fraternities and Sororities—Joining a fraternity or sorority does not excuse you from a rooming contract until it has ended. 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, 114 TSMa.

Food Services and Restaurants

Minneapolis Campus—A number of restaurants and food services are 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, tearooms, and soda fountains near the campus.

St. Paul Campus—The Agricultural Cafeteria provides full food service for students. Lunchroom and soda fountain facilities are available in the Union. Privately operated restaurants are also available near the campus.

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 \$1000 for three quarters except for medicine and dentistry where expenses are about \$1500. Nonresidents should add up to \$300 for the higher tuition required of students from out of state.

This general answer has to be qualified at once, for there are many factors that can't be tied down to specific figures. 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.

Moreover, an estimate such as this does not take into account laundry and clothing expenses, nor any cost for such items as recreation, travel, and other incidentals.

So you should consider the estimates in the table not as exact figures, but as general guides.

ESTIMATED AVERAGE EXPENSES OF MINNESOTA RESIDENTS

Fall, Winter, and Spring Quarters, 1955-56

College	Fees ¹	Books and Supplies	Room and Board ²	Total
Agriculture, Forestry, Home Economics— Arts—Dental Hygiene—Duluth Branch— Nursing, Basic and Practical—Public Health	\$170	\$ 60	\$675	\$ 905
Business Administration—Graduate School.....	198	60	675	933
Dentistry and Graduate Dentistry.....	305	435 ³	675	1415
Education	188	60	675	923
Institute of Technology.....	188	90	675	953
Law School—Medical Technology—Nursing, Certificate Program—Occupational Thera- py—Physical Therapy	206	90	675	971
Medicine and Graduate Medicine	311	425 ⁴	675	1411
Mortuary Science	251	60	675	986
Nursing, Basic and Practical	170	60	675	905
Pharmacy	200	60	675	935
Veterinary Medicine	275	60	675	1010

¹ Includes tuition, incidental fee, and deposit.

² University Residence Hall rates, 1954-55, were from \$564 to \$675 for board and room.

³ Includes \$360 for instruments.

⁴ Includes \$300 for microscope.

Fees

Tuition—The table shows the basic tuition fee in each University division. It also shows, except in the Graduate School, that a student taking only a few 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.

Graduate students of certain classifications who are giving 25 per cent 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. 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 in the final year of the Master's degree curricula in undergraduate colleges. Civil service appointees working 75 per cent time or more are eligible for the same privilege. 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.

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.

TUITION

School or College	Quarter Fee		Credit Hour Fee	
	Resident	Non-resident	Resident	Non-resident
Agriculture, Forestry, Home Economics.....	\$41.00	\$110.00	\$3.50	\$ 9.25
Business Administration	46.00	110.00	4.00	9.25
Dental Hygiene	41.00	110.00	3.50	9.25
Dentistry and Graduate Work.....	86.00	175.00	7.25	14.75
Duluth Branch	41.00	110.00	3.50	9.25
Education	47.00	116.00	4.00	9.75
General College	41.00	110.00	3.50	9.25
Graduate School				
More than 6 credits.....	46.00	110.00	No credit hour	
6 credits or less, or thesis only.....	23.00	55.00	fee provided	
Institute of Technology.....	46.00	120.00	4.00	10.00
Law School and Graduate Work.....	53.00	125.00	4.50	10.50
Library Instruction—Tuition of college in which work is taken.				
Medical School and Clinical Graduate Work.....	88.00	185.00	7.50	15.50
Medical Technology	53.00	125.00	4.50	10.50
Mortuary Science	68.00	110.00	5.75	9.25
Nursing, Basic and Practical.....	41.00	60.00	3.50	5.00
Nursing, Certificate Program.....	53.00	125.00	4.50	10.50
Pharmacy and Graduate Work.....	51.00	120.00	4.25	10.00
Physical and Occupational Therapy.....	53.00	125.00	4.50	10.50
Public Health	41.00	110.00	3.50	9.25
Science, Literature, and the Arts.....	41.00	110.00	3.50	9.25
University College—Tuition of college in which work is taken.				
Veterinary Medicine	76.00	165.00	6.50	13.75

Incidental Fee—If you are registered for 6 or more credits in a quarter you pay the \$14 fee which entitles you to the privilege of the Coffman Memorial Union and the Students' Health Service; it also brings you the *Minnesota Daily* and helps to support the All-University Student Congress. Students in the Institute of Technology pay 85 cents more a quarter and receive in addition the *Minnesota Technologist*.

The incidental fee is required of all students in the Graduate School, except teachers in service taking less than 6 credits, Ph.D. candidates during their final quarter of registration, and students doing research away from the campus.

Any student for whom the incidental fee is not required may obtain the privileges by paying the fee on an optional basis. For such students the incidental fee will be charged on request.

The incidental fee at the Duluth Branch is \$11.

Foreign Student Health Fee—All noncitizens are required to pay a Foreign Student Health Fee of \$8 each quarter. See page 25 for full explanation.

Matriculation Deposit—This deposit (\$5 in all divisions of the University except the Graduate School, where it is \$3) you pay at registration for your first quarter. It covers laboratory or other breakages or damages, drawing board rental in architecture, military equipment, library fines, and like costs. If the deposit is used up before you leave the University, you pay an additional \$5 fee.

If charges against your fee do not use it up by the time you graduate or leave the University, the unused remainder will be refunded to you by mail.

Special Fees—Additional fees are charged for special services as follows:

Advanced Standing Examination Fee	\$5.00	Graduation Fee (including small diploma)	
Such an examination may be taken only upon approval of the appropriate committee. (If it is taken within six weeks after entering the University, no fee.)		Each degree	\$10.00
Course Fees		Large Diploma Fee	\$5.00
Civil Engineering Summer Camp, Modern Language Institute, Music Lessons, Physical Education, Public Health 169, 190. See <i>Class Schedule</i> issued at registration.		Any graduate may get a large diploma in place of a small one, by paying this fee in addition to the graduation fee.	
Credentials Fee		Microscope Rental Fee	
Required of nonresidents applying for admission to Law, Medicine, Dentistry, Education (Senior College), Business Administration, and Veterinary Medicine.		Partial use, one quarter	\$3.00
Dentistry Examination Fee	\$26.00	Continuous use, one quarter	6.00
For examinations to determine advanced standing in Dentistry.		Music Practice Fees	
Deposits		For rent of pianos, organs, and music practice rooms. Rates are given in the <i>Class Schedule</i> issued at registration.	
Agricultural Biochemistry	\$10.00	Placement Service Fee —required of degree candidates from:	
Chemistry	10.00	Institute of Technology	\$2.50
Pharmacy	5.00	College of Education (except Nursing Education majors)	5.50
Physiological Chemistry	5.00	Privilege Fee —for late registration or late payment of fees	
To cover cost of materials and breakage. Unused portion is credited to students' matriculation deposit at end of course.		Through third day of classes	\$2.00
Duplicate Diploma Fee		Each additional day (to a \$5 maximum)	.50
To replace large diploma	\$7.50	Late change of registration	2.00
To replace small diploma	5.00	Record Service Fee	\$0.50
		This fee, deducted from students' matriculation deposits, provides three certified copies of student records. Each additional copy 50 cents.	

<i>Special Examination Fee</i>	\$5.00	<i>Thesis Examination Fee</i>	
<i>Speech and Hearing Clinic Fees</i>		For professional engineer degree	\$15.00
See <i>Class Schedule</i> issued at registration.		<i>Thesis Publication Fee</i>	
<i>Thesis Binding Fee</i>		Ph.D. thesis	\$35.00
Master's thesis	\$2.50		

Refunds—If you cancel your registration before six weeks of any quarter have passed, you are entitled to refund of tuition, incidental, 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 per cent; within the second, 80; third, 70; fourth, 60; fifth, 50; sixth, 40. After the sixth week there is no refund.

Nonresident Students—Nonresident tuition fees will be charged students whose permanent homes are outside Minnesota, or who have not lived in permanent homes in Minnesota for at least a calendar year prior to first University registration. "Permanent" means family home, or home established for a purpose other than attendance at the University. A year's registration in the University does not of itself establish Minnesota residence, if the student lives in the state only to go to the University.

Initial classification of a student as a nonresident, however, does not prevent his reclassification at any time he meets the residence requirement.

If there is question about your residence classification, it is your own responsibility to apply to the dean of admissions and records for consideration of your status.

University Regulations

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.

Second, he must meet residence requirements. This means that he must have spent at least a year in regular daily work at the University, of which two quarters must be in his senior year (if he has only one year of residence, it must be his senior year). Extension courses (not correspondence courses) in the Twin Cities and Duluth count as residence credit. (Some schools and colleges have additional residence requirements.)

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

Fourth, he must attend commencement exercises at which his degree is conferred unless he is excused by the dean of his college. If he fails to attend, his diploma will be withheld for a year, or until he attends another commencement.

Credits, Grades, and Honor Points

Credits—Amount of work is expressed in *credits*. Each credit demands, on the average, three hours a week of a student's time, i.e., one recitation with two hours of preparation, or three hours of laboratory work.

Grades—A grade is a symbol indicating the character of work done in a course. There are several types.

Passing grades—These range from A (highest) to B, C, and D (lowest). Any of these enables the course credit to be counted toward a degree, though in most curricula a C average must be maintained. The symbol X signifies that work in a continuation course is satisfactory and that a grade will be assigned when the entire course is completed.

Failing grades—The grade F is given for work which in the opinion of the instructor does not deserve college credit. A grade of Z is given when the student withdraws after the sixth week while doing failing work, and it counts as an F.

Explanatory grades—Some symbols are used simply to describe the student's registration status without implying either success or failure. W means that the student officially canceled (withdrew) either during the first six weeks or else subsequently while still doing passing work. Y indicates that the student never attended, quit attending during the first six weeks, or quit attending thereafter while doing satisfactory work but without officially canceling. Students are expected to fulfill their course responsibilities unless properly canceled.

Temporary grade: Incomplete—The grade I (incomplete) is a temporary grade indicating that a student has a satisfactory record in work done but for reasons satisfactory to the instructor in charge was unable to complete the course on time. A student receiving this grade is required to complete the work of the course within the first thirty days of his next quarter (except summer) in residence or it will be marked canceled without grade. An extension of time may be permitted for removal of an incomplete grade upon the recommendation of the instructor concerned and the approval of the Scholastic Committee. In such cases removal of the incomplete may be considered a special examination for which the special examination fee is charged.

Honor Points—Quality of work is indicated by *honor points*. Honor points are assigned to course grades as follows: to each credit with a grade of A, 3 honor points; to each credit with grade of B, 2 honor points; to each credit with grade of C, 1 honor point. The grades D and F carry no honor points. Thus for a 3-credit course completed with a grade of B a student would be assigned 6 honor points.

Honor Point Ratio—Honor point ratio is defined as the number of honor points earned divided by the total number of credits earned (grades A to D) and failed (grades F or Z). An honor point ratio of 1.0 (C average) is the minimum standard required for satisfactory progress toward the B.A. degree.

Athletic Purposes*

The University of Minnesota's concept of the purposes 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.

* Published in compliance with the athletic regulations of the North Central Association of Colleges and Secondary Schools.

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 co-operatively 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.

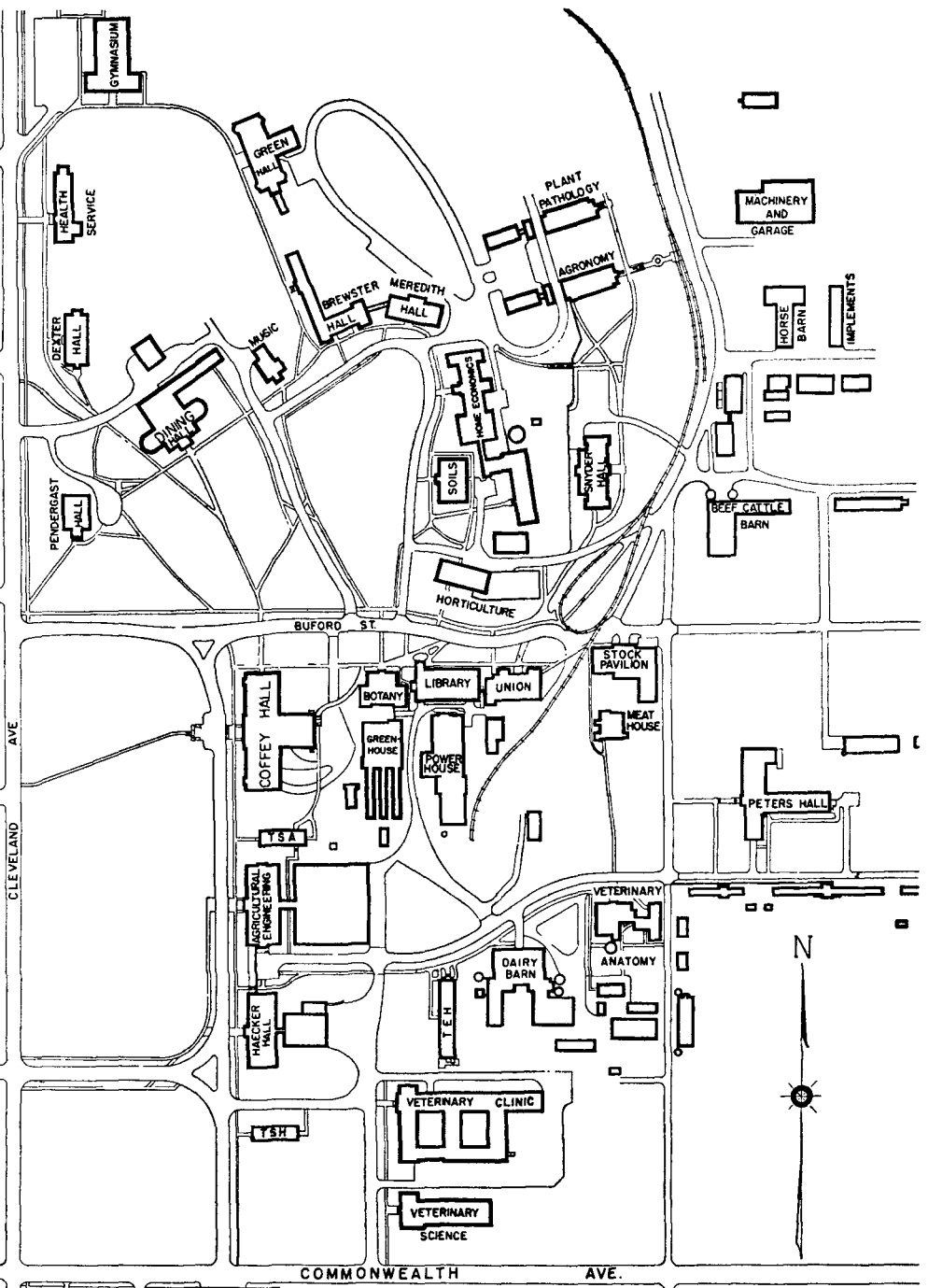
The University accomplishes these objectives in part by a sports and athletic program which includes the following elements:

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.

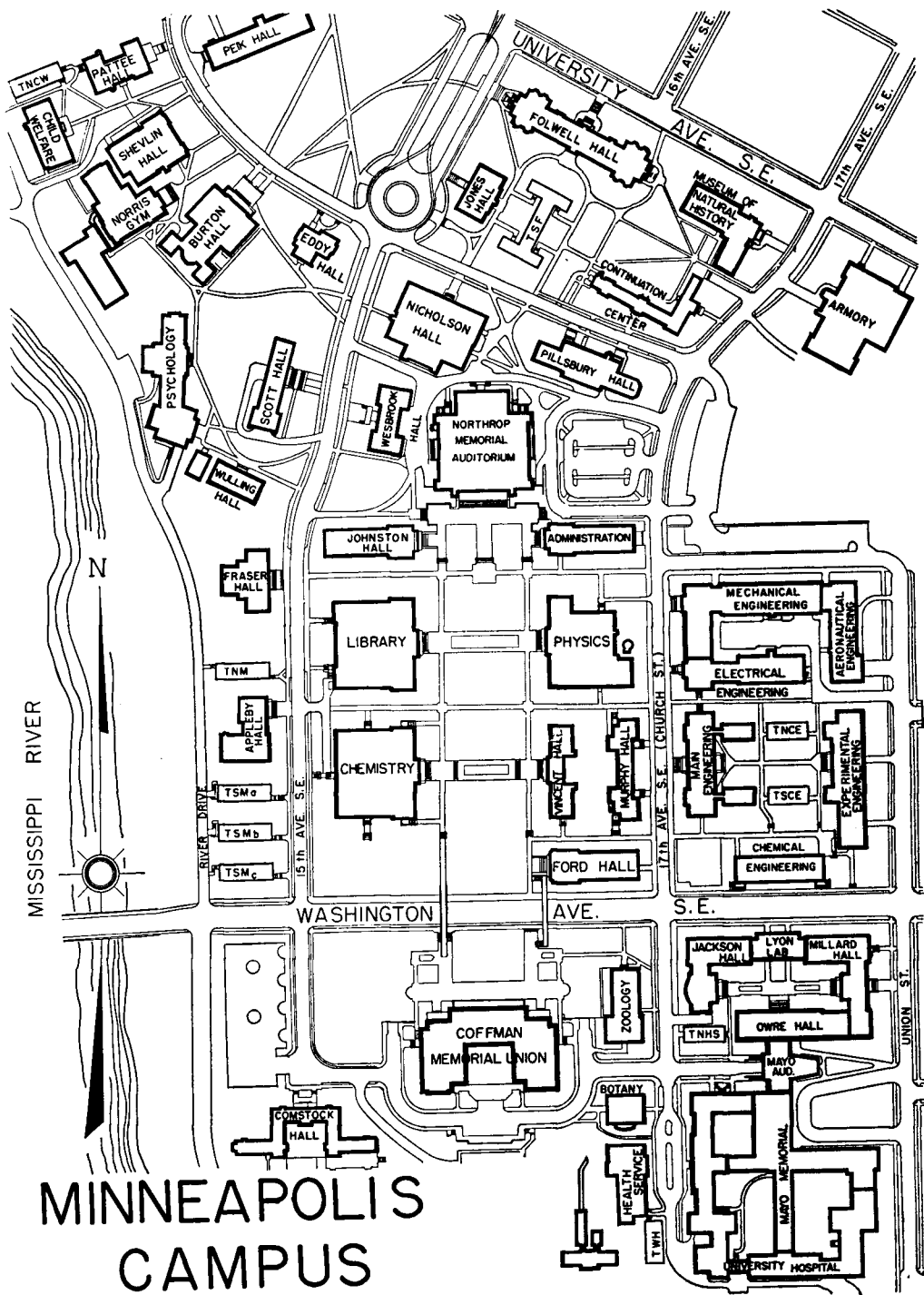
2. *Intramural Sports*—Students are also invited and encouraged to participate in group or team sports. The intramural athletic program includes baseball, touchball, softball, basketball, golf, tennis, horseshoes, handball, ice hockey, squash, swimming, bowling, boxing, volleyball, archery, badminton, 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 try-out 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 membership. 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 Senate Committee on Intercollegiate Athletics. This committee is made up of faculty, alumni, and students, with the faculty constituting a majority. Athletic department budgetmaking and control, and staff appointments, are handled directly upon recommendation to the President by the director of Physical Education and Athletics in precise accord with the procedure of budget and appointment recommendations made by the deans of the various colleges to the President.



ST. PAUL CAMPUS



MINNEAPOLIS CAMPUS