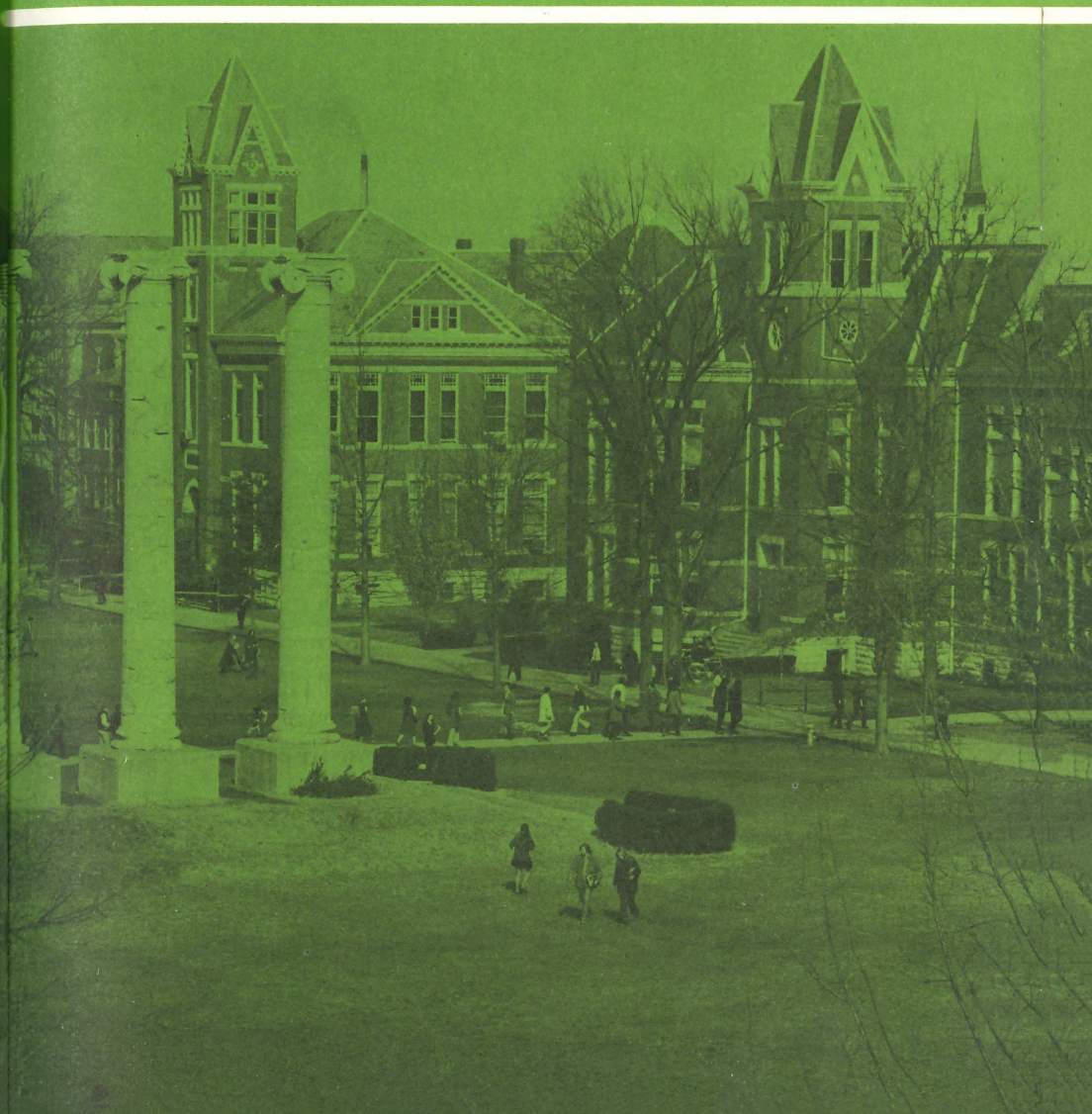


UNIVERSITY OF MISSOURI-COLUMBIA

BULLETIN 1972-1973

130

UNDERGRADUATE CATALOG—
GENERAL INFORMATION



UNIVERSITY OF MISSOURI-COLUMBIA
Calendars for 1971-72 and 1972-73

First Semester

New Student Orientation
 New Student Orientation and Registration
 Registration
 Classwork begins, 7:40 a.m.
 Thanksgiving Recess begins, 5:00 p.m.
 Classwork resumes, 7:40 a.m.
 Classwork First Semester ends, 5:30 p.m.
 Stop Day
 Final Examinations begin
 First Semester closes, 5:30 p.m.

1971

Wed., Aug. 25
 Thurs., Aug. 26
 Fri., Aug. 27
 Mon., Aug. 30
 Wed., Nov. 24
 Mon., Nov. 29
 Tues., Dec. 14
 Wed., Dec. 15
 Thurs., Dec. 16
 Thurs., Dec. 23

1972

Wed., Aug. 23
 Thurs., Aug. 24
 Fri., Aug. 25
 Mon., Aug. 28
 Wed., Nov. 22
 Mon., Nov. 27
 Tues., Dec. 12
 Wed., Dec. 13
 Thurs., Dec. 14
 Thurs., Dec. 21

Second Semester

New Student Orientation and Registration
 Registration
 Classwork begins, 7:40 a.m.
 Spring Recess begins, 12:30 p.m.
 Classwork resumes, 7:40 a.m.
 Classwork Second Semester ends, 12:30 p.m.
 Final Examinations begin
 Second Semester closes, 5:30 p.m.
 Annual Commencement

1972

Thurs., Jan. 13
 Fri., Jan. 14
 Mon., Jan. 17
 Sat., March 11
 Mon., March 20
 Sat., May 6
 Mon., May 8
 Mon., May 15
 Tues., May 16

1973

Thurs., Jan. 11
 Fri., Jan. 12
 Mon., Jan. 15
 Sat., March 10
 Mon., March 19
 Sat., May 5
 Mon., May 7
 Mon., May 14
 Tues., May 15

Summer Session

Registration and Orientation
 Classwork begins, 7:40 a.m.
 Independence Day Recess
 Summer Session closes, 5:00 p.m.
 Summer Commencement, Evening

Mon., June 12
 Tues., June 13
 Tues., July 4
 Fri., Aug. 4
 Fri., Aug. 4

Mon., June 11
 Tues., June 12
 Wed., July 4
 Fri., Aug. 3
 Fri., Aug. 3

BULLETIN

UNIVERSITY OF MISSOURI-COLUMBIA

Volume 73 Number 7 March 17, 1972 General 1972 Series Number 7

Robert E. Kren, *Director*, Office of Public Information
 Louise H. Stephens, *Editor*

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University of Missouri-Columbia

UNDERGRADUATE CATALOG—GENERAL INFORMATION

1972-1973

Revised to November 1, 1971

Foreword

The University Catalog consists of three separate publications: *Undergraduate Catalog—General Information*, containing information on administration, facilities, regulations, requirements for admission, and the degree programs of the various schools and colleges; *Catalog—Description of Courses*, listing descriptions of all courses offered by the academic departments on the Columbia Campus; and *Graduate Catalog*, containing general information about graduate programs and requirements for admission to the Graduate School.

The *Scholarships, Aids and Awards Bulletin* contains specific information on scholarships, loan funds, and student employment.

Any of the above publications, as well as divisional Announcements (which include specific degree requirements and more detailed descriptions of programs of study), may be obtained upon request from the Publications Office, 223 Jesse Hall, UMC, Columbia, Missouri 65201.

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THE UNIVERSITY OF MISSOURI

BOARD OF CURATORS

Terms Expire January 1, 1973

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G. FRED KLING, JR. Albany
THEODORE D. MCNEAL St. Louis

Terms Expire January 1, 1975

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MRS. WILLIAM C. TUCKER ... Warrensburg
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Terms Expire January 1, 1977

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ALLAN W. PURDY Director of
Student Financial Aid Services

CHANCELLORS

HERBERT W. SCHOOLING, Columbia Campus
JAMES C. OLSON, Kansas City Campus

MERL BAKER, Rolla Campus
GLEN R. DRISCOLL, St. Louis Campus

The University of Missouri is one university with four campuses—Columbia, Kansas City, Rolla, and St. Louis. Established in 1839 at Columbia (oldest and largest of the four campuses), the University is recognized as the first state university west of the Mississippi River. Designated a land-grant university in 1870, it has extended its educational benefits to all sections of Missouri in addition to its traditionally assigned tasks of teaching and research within the campus settings. The University is governed by a Board of Curators. The President of the University directs and coordinates programs of all four campuses. Activities of each campus are under the supervision of a chancellor.

University of Missouri-Columbia

Administrative Officers

HERBERT W. SCHOOLING, Ed.D., Chancellor

CLIFTON CORNWELL, Ph.D., Dean of Faculties (Acting)

EDMUND A. FORD, Ed.D., Associate Dean of Faculties

RICHARD A. BLOOMFIELD, Ph.D., Dean of the Graduate School and Director of Research Administration (Acting)

JOHN F. MCGOWAN, Ed.D., Dean of Extension

EDWIN B. HUTCHINS, Ph.D., Dean of Student Affairs and Executive Director of Student Services

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DONALD F. HOEHLE, B.S.C., Fiscal Business Officer

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ARMON F. YANDERS, Ph.D., Dean of the Faculty of the College of Arts and Science

ROBERT W. PATERSON, Ph.D., Dean of the Faculty of the School of Business and Public Administration

BOB G. WOODS, Ph.D., Dean of the Faculty of the College of Education

WILLIAM R. KIMEL, Ph.D., Dean of the Faculty of the College of Engineering

ROY M. FISHER, B.S., Dean of the Faculty of the School of Journalism

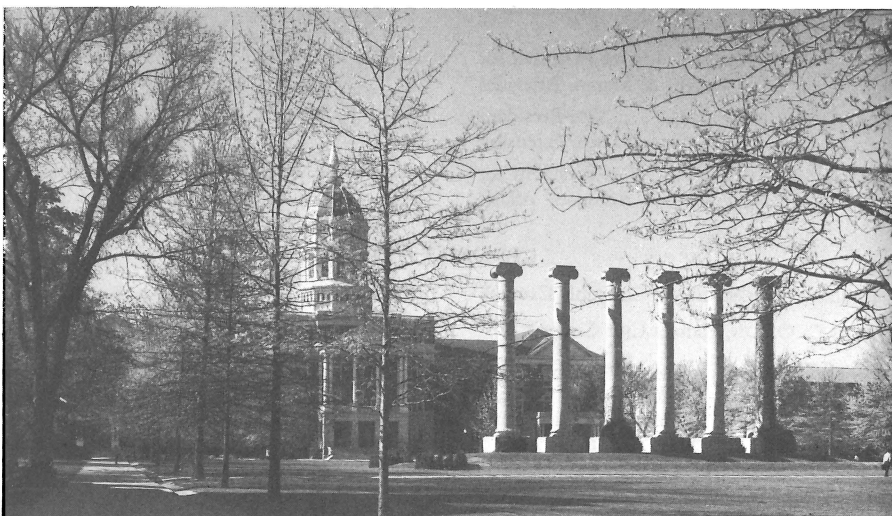
WILLIARD L. ECKHARDT, J.D., Dean of the Faculty of the School of Law

RALPH H. PARKER, Ph.D., Dean of the Faculty of the School of Library and Informational Science

WILLIAM D. MAYER, M.D., Dean of the Faculty of the School of Medicine

ARTHUR W. NEBEL, A.M., Dean of the Faculty of the School of Social and Community Services

BURNELL W. KINGREY, D.V.M., Dean of the Faculty of the School of Veterinary Medicine



The University

The University of Missouri is one university with four campuses—Columbia, Kansas City, Rolla, and St. Louis.

The University is governed by a Board of Curators whose members are appointed by the Governor of Missouri and confirmed by the Missouri Senate. The President of the University directs and coordinates programs of all four campuses with the assistance of a staff in finance, business management, academic affairs, research, extension, development, public information, and other University-wide services.

Activities of each campus are under the supervision of a Chancellor, who directs campus affairs within policies laid down by the Board of Curators and the President.

The University, established at Columbia in 1839 (only 18 years after Missouri became a state), is recognized as the first state university west of the Mississippi River. Designated a Land-Grant University in 1870, it since has extended its educational benefits to all sections of the State of Missouri in addition to its traditionally assigned tasks of teaching and research within the campus settings.

The University remained a single campus institution until 1870 when the University of Missouri School of Mines and Metallurgy was established at Rolla. Campuses at St. Louis and Kansas City were added to the University in 1963.

With the opening of the 1972-73 academic year, the University of Missouri-Columbia, largest and oldest of the four campuses, will begin its 134th year.

The cornerstone of the first building, Academic Hall, was laid in 1840. Classes met there from 1843 to 1892 when fire destroyed the building. The original structure's columns remain standing in the center of Francis Quadrangle.

The famous Columns, traditional symbols of UMC, stand alongside new buildings and complexes that are typical of today's educational requirements. Research Park, at the southern edge of the campus, includes in its facilities a 10-mega-watt nuclear reactor, one of the largest on any college campus in the United States.

From a graduating class of two students in 1843, UMC has expanded to 21,942 enrolled students in 1971-72.

With sixteen divisions, UMC offers an excellent opportunity for interdisciplinary studies and research. These divisions include the Colleges of Arts and Science, Agriculture, Engineering, and Education; the Graduate School; and the Schools of Business and Public Administration, Law, Library and Informational Science, Journalism, Social and Community Services, Medicine, Veterinary Medicine, and the Extension Division, as well as the Schools of Forestry and Home Economics within the College of Agriculture, and the School of Nursing in the School of Medicine.

Originally the University, like most other American universities of the time, offered a typical classical curriculum of four years' study in the liberal arts. In 1868, the Normal College, predecessor of the College of Education, was formally established, and women were admitted to this division in 1869. During the next five years, other divisions were organized—the College of Agriculture and Mechanic Arts in 1870, the School of Mines and Metallurgy at Rolla in 1870, and the School of Law in 1872.

Instruction in medicine was offered as early as 1845 through McDowell Medical College in St. Louis, which was a department of the University until 1855. The School of Medicine was established on the Columbia Campus in 1872 and was expanded in 1952 to provide a four-year curriculum and postgraduate training programs through appropriations made by the state legislature for a teaching hospital and other facilities. Instruction in nursing was begun in 1901. The School of Nursing, organized in 1920, was discontinued in 1947 and reestablished in 1954 in conjunction with the School of Medicine.

The School of Engineering, the present College of Engineering, was organized in 1877, although work in civil engineering was offered as early as 1849. In 1908 the School of Journalism, the first in the world, was founded. The Graduate School was designated a separate division in 1910, ex-

panding the postgraduate programs which had been offered since 1892. The School of Business and Public Administration was established in 1914.

The College of Agriculture, established as a division in 1870, now includes the School of Forestry, organized in 1957, and the School of Home Economics, organized in 1960. The School of Veterinary Medicine was created in 1949, incorporating instruction offered since 1884.

The School of Social and Community Services, which formerly was a part of the College of Arts and Science, was established as a separate division of UMC in 1965. The School of Library and Informational Science was established in 1966; prior to that time the department of Library Science was administered by the College of Arts and Science.

The Extension Division was organized in 1960 to consolidate and coordinate personnel and facilities and to provide expanded educational opportunities offered through extension work.

The University of Missouri-Columbia has become a living force throughout the State, extending its teaching, research, and service programs far beyond the campus through numerous activities and facilities. The campus is the site of the Research Reactor Facility, the use of which is available to scientists on all four campuses, to other educational institutions, and in any other way in which it can benefit mankind. Research Park is developing as a major scientific center, serving the University, industry, and government. It is the site of the research reactor, the John M. Dalton Space Sciences Research Center, a U.S. Biological Control of Insects Laboratory, and many more facilities. Other major teaching, research, and service assets of UMC are the Missouri Agricultural Experiment Station, Engineering Experiment Station, Business and Public Administration Research Center, Public Opinion Survey Unit, Computational Services Center, KOMU-TV, and KBIA-FM. The Charles and Josie Sinclair Research Farm, a University-wide facility located a few miles south of Columbia, is engaged in comparative medicine research and studies in chronic disease and aging. Also located on the campus are the State Crippled Children's Service, Mid-Missouri Mental Health

Center, the new Veterans Administration Hospital, and offices of the Missouri Regional Medical Programs.

UMC's Camp Branson at Lander, Wyoming, established in 1909, is one of the oldest summer field camps for geology. Both elementary and advanced students are given instruction in methods of field geology. The American Archaeology Division, Anthropology Department, operates an Archaeological Research Laboratory on campus and the Hamilton Archaeological Field School and Lyman Archaeological Research Center adjacent to Van Meter State Park, Miami, Missouri.

The purpose of the University was stated in these words by the Curators of the University in the Biennial Report in 1932:

"A true state university strives to be the intellectual, the cultural, and the professional center of the state. It is not merely a school; it is a community of scholars and learners engaged in the forward-looking enterprises of modern civilization."

In the contemporary world, higher education is experiencing unparalleled expansion as enrollments reach new heights and knowledge increases at a spectacular pace. As one of the leading state institutions of higher learning in America, the University of Missouri is a full participant in these trends. Sustained efforts are being made throughout the University of Missouri-Columbia to meet the challenge without compromising high standards set for its programs of teaching, research, and public service. Despite the demands of new growth and responsibilities, the University's traditional devotion to the aim of excellence remains unchanged.

Memorials

The Columns. The six Ionic Columns on Francis Quadrangle are the most famous of all memorials at UMC. They are all that remain of the first University building, Academic Hall, after the disastrous fire of 1892.

The Jefferson Monument. This scarred and weather-worn monument once stood at the grave of Thomas Jefferson at Monticello, Virginia. It was constructed from Jefferson's own design and bears the epitaph which he wrote. In 1883 when the

Congress appropriated funds for another monument, Jefferson's descendants donated this marker to the University of Missouri as the most appropriate location for it, the first university in the Louisiana Purchase Territory. It now stands west of the north entrance to Jesse Hall.

The Gateway, opening from the south end of Eighth Street to the "Red" campus, contains the corner stone of the original Academic Hall. The cornerstone was placed in the Gateway when it was constructed in 1915 with funds appropriated by the Congress for damages resulting from the occupation by federal troops in 1862. One pillar of the Gateway bears the bas-relief portrait of Major James S. Rollins, who was given the title Pater Universitatis Missouriensis by the Curators in 1872. The portrait of John Hiram Lathrop, the University's first president, is on the opposite pillar.

Memorial Tower and Union. The Tower was constructed with funds contributed by alumni, former students, and friends in memory of students who gave their lives in World War I. The north wing of the Union, connecting with the Tower, was opened to the students in September, 1952, and is a memorial to students who died in World War II. The south wing was completed in 1963.

Symbols

The symbols of the University were selected in the late 19th century. The name *Tigers* was first used when a University football team played its first intercollegiate game with Washington University in St. Louis. The name honors a group of Columbians called the Columbia Tigers, who formed a local body of militia to defend the city against guerrilla raids in the Civil War.

Crimson and old gold, the original colors of the University, were not compatible with the later use of the name *Tigers* for Missouri athletic teams. The school colors were changed to gold and black in 1898 by the University Council.

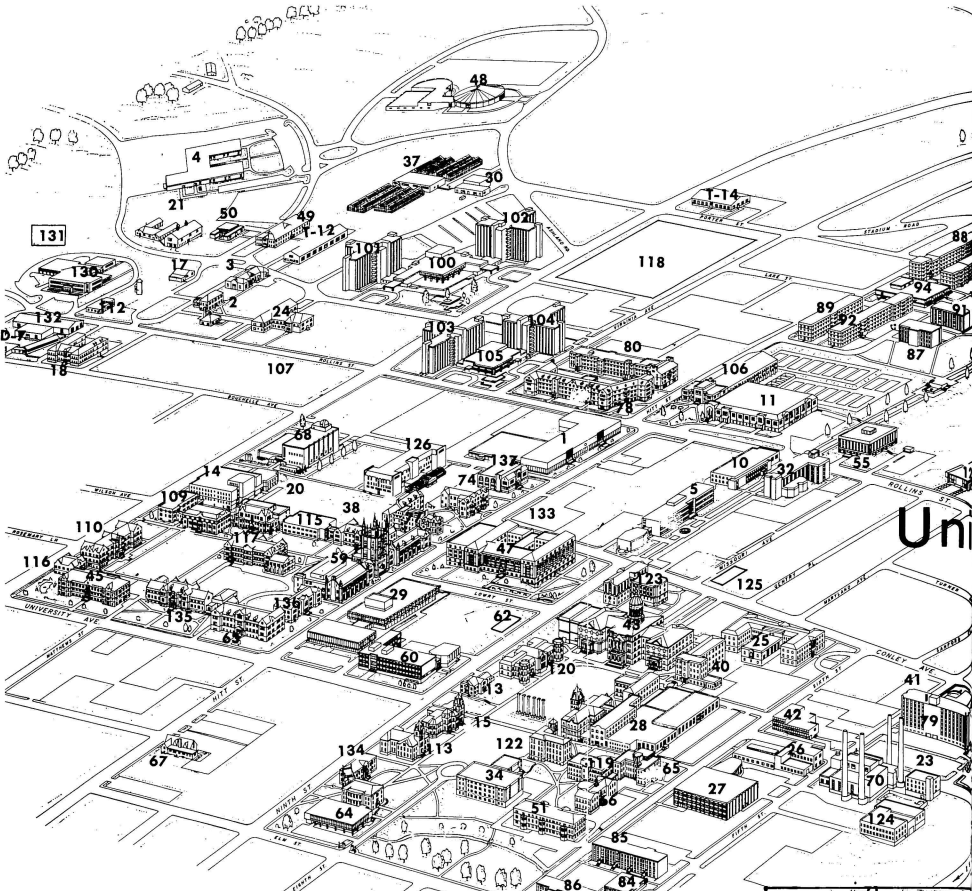
The Council also selected the official seal, motto, flower, and tree. The seal, adapted from the state seal, contains the motto "Sigill Universitatis Missouriien MDCCCXXXIX"; the flower is the yellow crysanthemum; and the tree, the sugar maple. The UMC flag displays the seal on a field divided diagonally by the colors gold and black.

Through the years, thousands of voices have joined in singing the Alma Mater "Old Missouri," words for which were composed in 1895 by a professor in the English department, to a tune of unknown origin which is familiar on many university campuses.



The Gateway

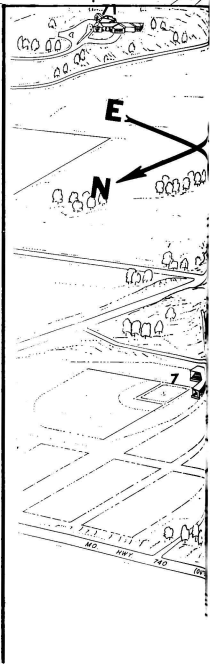
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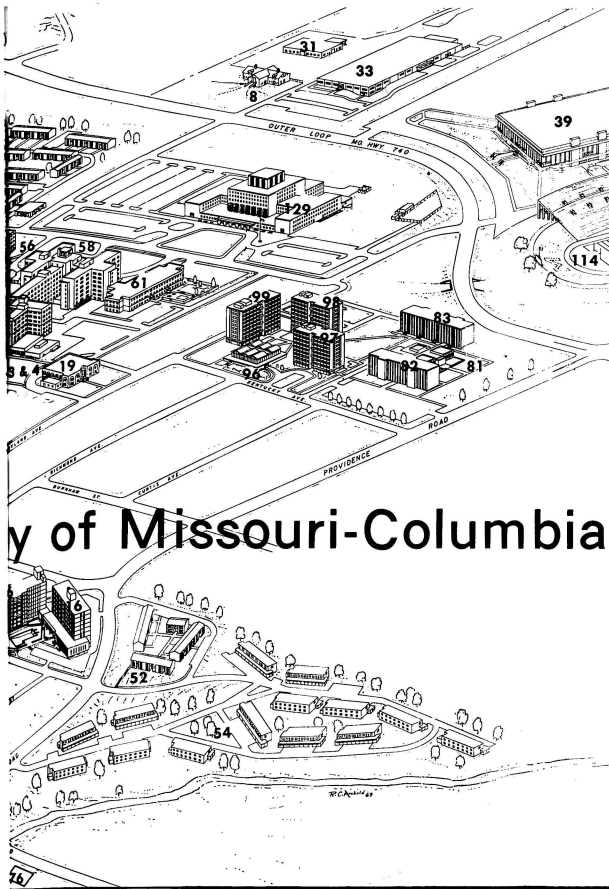


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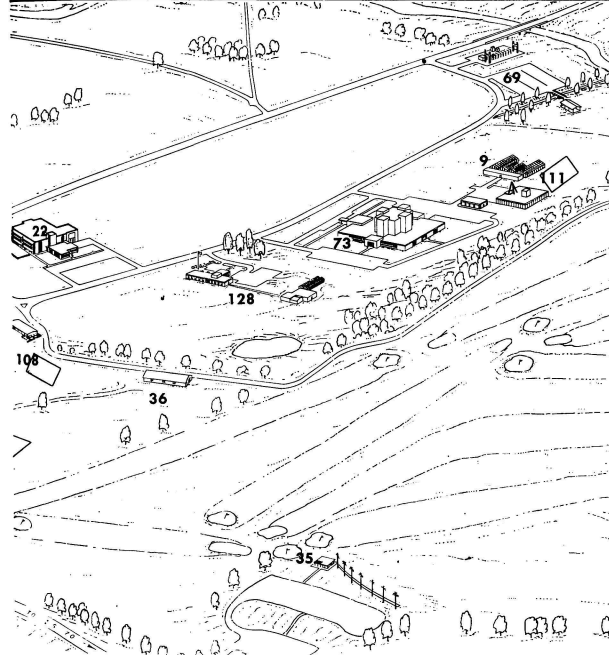
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University of Missouri-Columbia



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Admission

Inquiries regarding entrance to all divisions of the University of Missouri-Columbia, should be addressed to the Director of Admissions, 130 Jesse Hall.

Direction to New Students. Dates for submitting credentials for admission are as follows:

Fall Semester, before May 1 for freshmen students; before July 1 for transfer and graduate students.

Winter Semester, before December 1 (all students).

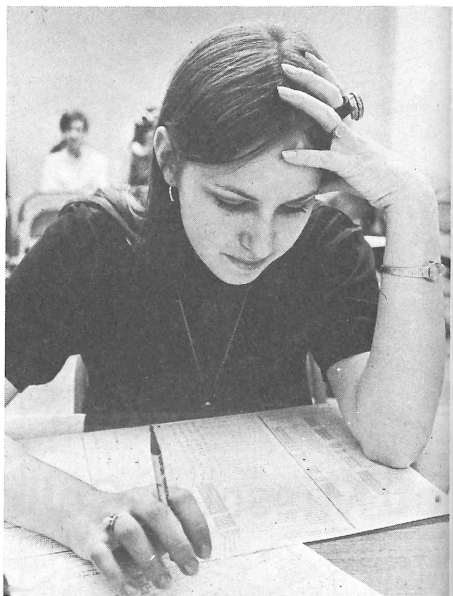
Summer Session, before May 1 (all students). Handicapped applicants should refer to page 15 of this Catalog.

Admission can be determined only after all credentials are on file. All new students are required to submit application blanks which may be obtained from the Director of Admissions, 130 Jesse Hall. Out-of-state undergraduate students are required to submit a non-refundable application evaluation fee of \$10 *with* the application for admission. In addition, the following credentials are required:

Entering Freshmen. The entering freshman must submit a high school transcript certified by the proper official of the school in which the credits were earned, an official test score, and reports of medical history and physical examination forms completed by the applicant's personal physician.

Transfer Students. An undergraduate student who has attended college elsewhere must submit an official high school transcript and official college transcripts from *each college* attended including statements of honorable dismissal. Reports of medical history and physical examination forms must be submitted by the applicant's personal physician. Students are urged to present a record of all college work completed prior to registration.

Graduate Students. A graduate student must have a transcript sent from the institution conferring his bachelor's degree and from each graduate school attended. Reports of medical history and physical examination forms must be submitted by the applicant's personal physician.



Veterans. In addition to official school records, a veteran who wishes credit for service experience, or excuse from physical education, must submit a photostatic copy of his separation papers (Form DD-214) and official USAFI reports.

Advance Payment on Fees. All new students will be requested to submit a non-refundable advance payment of fees upon notification of acceptance to the fall or winter semester. Missouri residents must submit a prepayment of \$20.00 and out-of-state residents a pre-payment of \$50.00. All students admitted to the School of Law must submit an advance payment of \$50.00. These amounts will be credited to the student's incidental fee when he enrolls on the Columbia Campus.

FRESHMEN

Admission

Plan A— Admission to the freshman class is determined by a combination of the applicant's high school class rank and a required aptitude test score. One of the following tests may be used: Missouri Colleges Testing Program (SCAT, Series II, Form 1C); American College Test (ACT); College Entrance Examination Board (CEEB or SAT); or The Ohio State Uni-

versity Psychological Test. In addition to an admission test, freshmen are required to take the Freshman Placement Tests prior to registration. The Missouri Colleges Testing Program (SCAT) may be used for admission and placement.

An out-of-state freshman applicant must be a graduate of an accredited high school, and the combination of the class rank and aptitude test score must indicate an appreciably higher probability of success than the standards applied to Missouri freshman applicants.

The Colleges of Agriculture, Arts and Science, Education, and Engineering, and the Schools of Home Economics, Forestry, Social and Community Services, and Nursing* are regularly open to freshmen. The requirement for admission by certificate is the satisfactory completion of a four-year high school course, including 15 acceptable units. All courses, with the exception of physical education and military science, offered by an accredited high school for its diploma may be accepted toward entrance. However, no more than two units in diversified occupations will be accepted. Specific units required by each of the colleges and schools are outlined in the Bulletins published by each of the undergraduate divisions.

Plan B—A student who is not a graduate of a four-year high school and who is at least 18 years of age may qualify for admission to the freshman class by examination. The examination will presume training and experience compensating for the lack of formal training to be had in an accredited high school. Adults, military personnel and veterans may qualify for admission by satisfactorily passing the high school level General Education Development tests prepared for the United States Armed Forces Institute.

Freshman Placement Tests

Freshman placement tests are required of all students enrolling in UMC with fewer than 30 hours of college credit. The results of these tests are of benefit to both the student and his adviser in planning the student's program, in considering his educational and professional objective, and

in the granting of credit by examination. Freshman placement tests are administered during the preregistration period, during new student orientation, and during the spring.

Careful correlation of data reveals that the student who ranks in the lowest third of his high school graduating class or who scores below the 30th percentile on the placement tests given to entering freshmen will find college work quite difficult. Rarely does a student with a low scholastic standing in high school complete a four-year college program. The student should contact his high school principal or guidance counselor for advice concerning his probable success in the University.

Credit by Examination

UMC grants advanced standing to entering freshmen who, on the basis of performance in the CEEB Advanced Placement Program, College-Level Examination Program (Subject Exams and General Exams) and on departmental exams, demonstrate a required level of proficiency. Students are encouraged to consult their high school principal or counselor for information pertaining to credit by examination programs. Entering freshmen desiring to take any of these examinations should write to the Director of Testing and Counseling Services, Parker Hall. All advanced standing must be claimed and validated within one semester after entrance into UMC. The applicability of advanced standing credit toward a degree is determined by the respective divisions.

TRANSFER STUDENTS

Admission

A student who is in good standing and who has been enrolled in another college or university may be admitted to UMC provided his scholastic record is a minimal grade point average of 2.0 (C). A student whose record is unsatisfactory is not eligible for admission.

Official transcripts from *each* college attended and a high school transcript should be filed with the Director of Admissions at least eight weeks prior to registration. All credentials submitted for admission will be retained by UMC.

**Freshman enrollment is limited.*

UMC may not admit any student who is under suspension or dismissal, or whose previous record shows work of an inferior or unsatisfactory quality.

Advanced Standing

Credit hours in the form of advanced standing may be allowed for work satisfactorily completed in another college or university of recognized standing insofar as such work is applicable to the degree of the division on the Columbia Campus in which the student registers. Courses with grades of D are not accepted. Advanced standing for the work of the senior year will usually not be granted.

A student admitted to the University and holding an Associate degree oriented toward the baccalaureate degree, with a grade point average of C or above as validated by an accredited associate degree-granting institution, will be accepted in junior standing. However, this does not exempt the student from meeting the specialized lower division degree requirements and the specialized requirements of departments or divisions of the University. Courses completed in the Associate degree program will be evaluated for application to specific degree requirements by means of the same criteria used for transfer students from other colleges and universities, from other campuses of the University of Missouri, and from other divisions of the same University campus.

Admission to Undergraduate and Professional Schools

The Schools of Business and Public Administration, Journalism, Law, Medicine, and Veterinary Medicine require for admission two years or more of college work including certain specific subjects. College subjects required for admission

are designated in terms of semester hours. An hour is defined as a college subject pursued one period a week for a full semester.

For detailed admission requirements of each of the undergraduate and professional schools, refer to the *Bulletin* published by that division.

THE HONORS COLLEGE

The University of Missouri-Columbia offers its students with superior academic ability an opportunity to participate in Honors education during a four-year period. The entering freshman who has graduated in the top 15 per cent of his high school class and does well on his entrance exams at UMC is encouraged to enroll in General Honors courses and in the available Honors sections of the courses he takes during his freshman and sophomore years. When he has successfully completed a minimum of 20 hours in selected Honors sections or courses, he is awarded a General Honors certificate. These Honors sections and courses, limited in size, are taught by highly experienced instructors aware of the value of Honors education.

Students interested in additional information should write The Honors College, 612 Kuhlman Court.

GRADUATE STUDENTS

Application for admission to the Graduate School is made to the Admissions Office, 130 Jesse Hall. Graduation with a satisfactory record is required from a college or university accredited by the Missouri College Union, the North Central Association of Colleges and Secondary Schools, or other similar regional accrediting associations. All entering Graduate Students must submit Graduate Record Examination scores except those in departments requiring Miller Analogies, Terman Concept Mastery, or ATGSB scores.

Admission to the Graduate School does not in itself entitle the student to candidacy for an advanced degree. The *Graduate Catalog* should be consulted for more details regarding requirements for the various degrees. The applicant should write the Director of Graduate Studies in the department or area of his interest for spe-



cific details of programs, entrance requirements, and fellowships available.

HANDICAPPED STUDENTS

Modifications have been made to essential physical facilities to enable the enrollment of severely handicapped students at UMC. This project was supported in part by funds from the Vocational Rehabilitation Administration, U. S. Department of Health, Education, and Welfare. Curbs have been cut down, ramps constructed, essential elevators installed and housing facilities modified. Many classrooms and major administrative offices and student services are equipped for handicapped students. Students *must be able to communicate* in a manner which will allow instructors to evaluate their classroom performance.

Application. Although any application will be accepted for consideration, preference will be given to applicants from Health, Education, and Welfare Region VI. This region consists of the states of Missouri, Iowa, Minnesota, North Dakota, South Dakota, Nebraska, and Kansas.

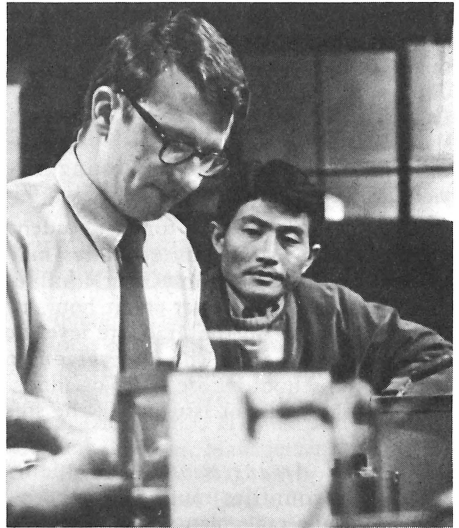
Admission. Application for admission for the fall semester must be submitted *before May 1*; for the winter semester *before December 1*; and for the summer session *before May 1*. Application materials will be reviewed by the Special Admissions Committee.

For additional information and complete application materials write directly to the Coordinator, Services for Handicapped Students, Testing and Counseling Service, 220 Parker Hall.

SPECIAL STUDENTS, UNCLASSIFIED STUDENTS, AND HEARERS

A person who is unable to satisfy the requirements for admission as a regular student will not be admitted to the Schools of Journalism, Law, Medicine, or Veterinary Medicine.

Special Students. An applicant over 21 years who does not qualify for admission as a regular student, but who by reason of special preparation or attainment may be judged qualified to pursue certain



courses, will be admitted as a special student although not as a candidate for degree.

Unclassified Students. Individuals qualified for admission but who do not desire to work toward a degree may be admitted as unclassified students.

Hearers. With the consent of the dean and of the teacher concerned, a student may be admitted to any course as a hearer if he has the necessary prerequisites. A hearer is registered and required to attend at least one-half of the sessions, but is not required to participate in any of the work of the course. He receives no credit toward a degree.

STUDENTS FROM OTHER COUNTRIES

Abroad. Prospective students living outside the United States and its possessions are advised to write the Foreign Student Coordinator, Read Hall, Columbia, Missouri 65201, at least a year prior to the date of desired admission. Information and blanks concerning admission, scholarships, housing, and approximate expenses will be sent to the students. Application papers and official records of previous school work should be furnished the Director of Admissions, 130 Jesse Hall, Columbia, Missouri 65201. Upon approval, the student will be notified by an official letter. No

prospective student should make plans to leave his country without first obtaining this permission to enter UMC. All students will be required to take *The Test of English as a Foreign Language*. Applicants should write to: Test of English as a Foreign Language, Educational Testing Service, Princeton, New Jersey 08540.

In the United States. A foreign student now studying in the United States may be admitted to UMC only after completion of at least 9 semester credit hours of acceptable work on the graduate level or 12 semester hours on the undergraduate level in the school whose letter of admission was the basis for issuance of the student's visa.

Financial Arrangements. All students from other countries must make necessary financial arrangements prior to arrival to have sufficient funds to pay tuition and fees at the time of official registration.

Housing Arrangements. All students from other countries should contact the Director of Housing for housing applications and information when notified they are eligible for admission.

CREDIT FOR IN-SERVICE MILITARY TRAINING

In some divisions, credit may be allowed for many of the service training programs conducted by the various branches of the Armed Forces. The recommendations of the American Council on Education as set forth in *A Guide to the Evaluation of Educational Experiences in the Armed Services* will serve, in general, as a basis for granting such credit. In order to be counted toward a degree the credit granted must be



appropriate to the student's curriculum. Veterans who have completed at least six months of active duty are excused from the present physical education requirement.

REGISTRATION

Former students (not currently enrolled) should file requests for permits to re-enroll with the Director of Admissions at least 30 days in advance of registration in order to receive their permits before the registration period.

A student who enters after the regular registration period may, because of closed courses, find difficulty in securing the subjects he desires. Ordinarily no student will be admitted to any course after the expiration of three weeks of classwork in a semester or one week of class work in a summer session.

Curricula and Degrees

COLLEGE OF AGRICULTURE

The College of Agriculture offers educational programs which lead to the Bachelor of Science (B.S.), Master of Science (M.S.), and Doctor of Philosophy (Ph.D.) degrees. The undergraduate bachelor of science program is structured in such a way that students concentrate their education in one of three areas: professional, science, or business. When an area of concentration is coupled with an academic major, it is possible for a student to develop a program of education which is meaningful from a career standpoint and, at the same time, allow him an academic major. The M.S. and Ph.D. degrees are offered in all of the fifteen departments and the Schools of Forestry and Home Economics within the College of Agriculture.

COLLEGE OF ARTS AND SCIENCE

The College of Arts and Science offers baccalaureate degrees (A.B.) in the following areas: American Civilization, Anthropology, Art, Art History and Archaeology, Biological Sciences (including emphasis on Botany, Microbiology, Zoology—including Wildlife Conservation), Chemistry, Classical Studies (including Classical Civilization), Economics, English (including creative writing), French, French Civilization, Geography, Geology, German, History, Home Economics, Italian, Latin American Studies, Library Science, Linguistics, Mathematics, Music, Peace Studies, Philosophy, Physics, Political Science, Pre-Medical Sciences, Psychology, Russian, Russian Area Studies, Social Work, Sociology, South Asian Studies, Spanish, Speech and Dramatic Art, and Statistics. For those desiring more highly specialized training, a Bachelor of Music degree, and Bachelor of Science degrees in Chemistry, Geology, and Physics are also offered.

In addition, several of the above listed Areas of Concentration may be arranged with minor emphasis on black studies.

Students planning to enter the Schools of Business and Public Administration, Journalism, Law, Veterinary Medicine, and Medicine are also enrolled in the College of Arts and Science for their pre-professional training.

All of the departments in the College of Arts and Science have graduate programs leading to the Master's degree; in addition, fifteen of the departments offer programs leading to the Ph.D. degree.

SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

Undergraduate students in the School of Business and Public Administration select one of the ten curricula offered by the School. These curricula include Accountancy, Economics, Finance and Banking, General Business, Management (Industrial and Personnel), Marketing, Public Administration, Real Estate, Risk and Insurance, and Secretarial Science. Students who complete the requirements in the Public Administration curriculum receive a Bachelor of Science in Public Administration (B.S. in P.A.); those who complete the requirements in the other curricula are awarded a Bachelor of Science in Business Administration (B.S. in B.A.).

The school has graduate programs leading to the following degrees at the Master's level: Master of Business Administration (M.B.A.), Master of Arts (M.A.) in Accountancy, Master of Science (M.S.) in Accountancy, Master of Arts (M.A.) in Economics, Master of Arts (M.A.) in Political Science, and Master of Science (M.S.) in Public Administration. The School also offers programs which lead to the degree of Doctor of Philosophy (Ph.D.) in the fields of Accountancy, Business Administration, Economics, and Political Science.

COLLEGE OF EDUCATION

The College of Education has established programs for students interested in preparing for teaching careers in public and private schools, elementary level through college. Preparation is provided also in specialized fields in Education such as administration and supervision, teaching the handicapped, guidance and counseling, and instructional areas of specialization. The College of Education confers the undergraduate degrees, Bachelor of Science in Education (B.S.Ed.), Bachelor of Science

(B.S.) in Respiratory Therapy, Bachelor of Science in Medical Technology, Bachelor of Science in Occupational Therapy, Bachelor of Science in Physical Therapy, and Bachelor of Science in Radiologic Technology. The College of Education also directs the programs of students pursuing work leading to the Master of Education Degree (M.Ed.), Master of Arts Degree with a major in Education (M.A.), the six-year Certificate of Specialization, and the Doctor of Philosophy (Ph.D.) with a major in Education and Doctor of Education (Ed.D.) degrees.

COLLEGE OF ENGINEERING

The College of Engineering offers professional programs, fully accredited by the Engineers' Council for Professional Development, leading to the Bachelor of Science (B.S.) in Agricultural, Chemical, Civil, Electrical, Industrial, and Mechanical Engineering. Advanced programs leading to the Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) enable greater in-depth applications of engineering to societal problems. M.S. and Ph.D. degree programs are available in Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical and Aerospace, and Nuclear Engineering. An M.S. degree program is also available in Sanitary Engineering. Interdisciplinary programs in many of the aforementioned areas emphasize application of engineering to health care delivery systems, low cost housing, improved electric power production, biological systems, human behavior and response, image analysis, and water resources.

SCHOOL OF FORESTRY

The School of Forestry offers undergraduate education in two separate curricula—forestry and wood products—each of which leads to the Bachelor of Science in Forestry (B.S.F.) degree. The education prepares students for professional and administrative positions in wildland management, or for utilization, management, and sales work in the wood-using industries. A special optional program open to good students permits preparation for graduate study or limited specialization in the junior and senior years. The forestry

program is accredited by the Society of American Foresters.

Graduate work leading to the M.S. and the Ph.D. is offered students having an undergraduate degree in forestry or a related field, and an interest either in professional forestry or in a science basic thereto. Several research and teaching assistantships are available to students pursuing graduate work.

GRADUATE SCHOOL

Students from the various colleges and schools of UMC wishing to pursue advanced degrees are enrolled in the Graduate School. Students pursuing the first professional degree, however, are enrolled in either the School of Law, the School of Medicine, or the School of Veterinary Medicine.

See the *Graduate Catalog* for admission and degree requirements.

SCHOOL OF HOME ECONOMICS

The School of Home Economics is organized to provide professional education at undergraduate and graduate levels for students in one or a combination of five subject areas: Child and Family Development, Clothing and Textiles, Family Economics and Management, Food and Nutrition, or Housing and Interior Design. Students may plan programs offered in conjunction with the College of Education and the School of Business and Public Administration and School of Journalism. Both Master's and doctoral degrees are offered in all of the five subject areas.

A new four-year program in Food and Nutrition enables a student to qualify for membership in the American Dietetic Association without the internship following the B.S. degree, as in the regular Dietetic program. The new program includes hospital experience with major emphasis in Medical Dietetics or Food Systems Management. Students in Family Economics may now emphasize management in rehabilitation, a relatively new field.

Undergraduate students in the College of Arts and Science may select an Area of Concentration of Home Economics leading to an A.B. degree.

SCHOOL OF JOURNALISM

The course leading to the Bachelor of Journalism (B.J.) degree requires the student to spend approximately three-fourths of his time in the liberal arts and sciences and one-fourth in professional journalism work. He may choose his major area in journalism from among six sequences and several related areas of concentration.

The objective of graduate work in journalism leading to the Master of Arts degree is to build on the foundation of a student's professional undergraduate education in journalism a broad understanding of the profession, by study in the liberal arts and sciences, in communication theory and in professional courses; and (under Plan A) by development of the ability to conduct research reflecting independent thought; and (under Plan B) by development of a high level of professional competency in a designated area of journalism.

The main objective of doctoral study in journalism is to develop advanced research facility and to integrate this skill and orientation with a depth of general scholarship in mass communications. The Ph. D., the highest academic degree, requires a high level of scholarly thought and production. While it is normally considered a research degree, it is designed to fit a variety of academic aims. The student must expand his intellectual horizons, gain a theoretical framework for understanding communication and refine his ability to communicate effectively.

SCHOOL OF LAW

The School of Law offers a professional curriculum leading to the degree of Juris Doctor (J.D.), which extends through three full academic years of work. Students entering without a baccalaureate degree must receive an undergraduate degree before or concurrently with graduation from Law School.

Students entering Law School must have completed at least 90 hours in residence of approved college work acceptable for a baccalaureate degree (for courses that cannot be used to satisfy this requirement consult the *School of Law Announcement*); the requirement of an undergraduate degree as a prerequisite for entering Law School is under consideration. In addition,

an applicant for admission must have a sufficiently high undergraduate grade point average, writing ability, and a Law School Admissions Test score to indicate reasonable probability of success in Law School. Currently, all qualified applicants cannot be admitted because of limited facilities; therefore, admission is on a selective basis.

SCHOOL OF LIBRARY AND INFORMATIONAL SCIENCE

The object of the School of Library and Informational Science is to educate persons to serve the libraries and other information services of the future. The undergraduate program leads to the degree of Bachelor of Arts in the College of Arts and Science. The program leading to the degree of Master of Arts is accredited by the American Library Association. It provides for a number of sequences, including specialization in school, public, and academic libraries; special librarianship and technical information center administration; work with children and youth; automation and technical services; and information systems.

The curriculum is based upon the premise that the best education of a librarian includes a broad, substantial background in the liberal arts and sciences and some specialization in a particular academic subject, in addition to the specific professional courses in librarianship.

The information "explosion," the continued urbanization of society with the problems of the metropolis, the extension of higher education to a larger proportion of high school graduates and the increase in depth of this education, the reorganization of public school districts and changes in teaching methods, the widespread interest in automation and the faith of some in its efficacy in solving a variety of educational problems, are all facets of the belief that libraries will be radically changed in the decades to come.

SCHOOL OF MEDICINE

The Doctor of Medicine (M.D.) degree is offered upon successful completion of the four-year program in the School of Medicine. To be eligible for admission, a student must have completed three years of college or 90 semester hours; however,

while an undergraduate degree is not required, it is strongly recommended.

Qualified individuals are encouraged to work toward a dual-degree program, combining the M.D.-M.S. or M.D.-Ph.D. degrees.

Master's-M.D. programs are available in all the biomedical sciences—anatomy, biochemistry, microbiology, pathology, pharmacology, and physiology—as well as in public health and health services management.

An M.D.-Ph.D. six-year program is offered for the student seeking a biomedical research career. Ph.D. programs are available in anatomy, biochemistry, microbiology, nutrition, pathology, pharmacology, medical psychology, and medical sociology, and in various disciplines of other schools and colleges on campus.

After completion of the M.D. degree, internships are offered in the clinical areas of anesthesiology, family practice, medicine, pathology, pediatrics, obstetrics-gynecology, radiology, and surgery.

Residency training is offered in the above-mentioned clinical specialties and in dermatology, general preventive medicine, ophthalmology, physical medicine and rehabilitation, psychiatry, child psychiatry, general surgery, neurological surgery, orthopedic surgery, otolaryngology, plastic surgery, thoracic surgery, and urology.

Bachelor of Science degrees are offered in six allied health professions, through cooperative programs with other divisions on campus. Students take their clinical training in the Medical Center complex in medical technology, radiologic technology, occupational therapy, physical therapy, respiratory therapy, and nutrition and dietetics.

A hospital-based two-year program leading to certification but not to a degree is also offered in radiologic technology.

Seminars and clinics for practicing physicians are held throughout the year as part of the program for continuing medical education.

SCHOOL OF NURSING

On successful completion of a nine-semester (or eight-semester and two summer sessions) program, the graduate is awarded a Bachelor of Science (B.S.) in Nursing.

A four-semester program leading to the degree Master of Science (M.S.) in Nursing is offered.

SCHOOL OF SOCIAL AND COMMUNITY SERVICES

Within the School of Social and Community Services there are three academic units: the Department of Recreation and Park Administration, the Department of Regional and Community Affairs, and the School of Social Work.

The Department of Recreation and Park Administration offers a Bachelor of Science degree in Recreation and Park Administration. The graduate program in this Department leads to a Master of Science degree.

The Department of Regional and Community Affairs offers a two-year graduate program leading to a Master of Science in Community Development. The Department also offers a nine-month diploma program in Community Development for international students.

The School of Social Work offers both undergraduate and graduate programs in Social Work. In cooperation with the College of Arts and Science it offers an Area of Concentration in Social Work leading to a Bachelor of Arts degree. The graduate program consists of a two-year program leading to a Master of Science in Social Work.

SCHOOL OF VETERINARY MEDICINE

The School of Veterinary Medicine offers instruction at the professional level leading to the Doctor of Veterinary Medicine (D.V.M.) degree. A program leading to a Master of Science (M.S.) degree is available in each of the five departments: Veterinary Anatomy, Veterinary Medicine and Surgery, Veterinary Microbiology, Veterinary Pathology, and Veterinary Physiology and Pharmacology. The D.V.M. degree is usually prerequisite for graduate study, but in some departments a B.S. degree in an allied field is acceptable. Graduate work leading to the Ph.D. degree is now offered in the Departments of Veterinary Anatomy, Microbiology, Pathology, and Physiology and Pharmacology. Some

scholarships and assistantships are available to qualified graduate students.

UNIVERSITY EXTENSION DIVISION

Students who wish to enroll in UMC subjects for college credit who, for some reason, cannot attend in residence, may do so through the University Extension Division's Independent Study Department or Off-Campus Teaching Program. Thousands of students enroll annually in correspondence study courses or in extension center courses which are offered in various towns and cities in Missouri.

Also under the administration of the Extension Division are noncredit courses offered both on and off campus by the academic divisions, and Independent Study (correspondence) programs for undergraduate and graduate credit, as well as high school course work.

OTHER PROGRAMS

A two-year program to prepare secretaries, providing a general education background of regular University work in addition to the necessary secretarial training, is offered in the College of Education. A Certificate of Secretarial Proficiency is is-

sued to qualified students upon completion of the two-year program, which consists of sixty semester hours of approved work.

Study Abroad

Information on Programs for Study Abroad and instructions for applying to specific programs may be obtained from the office of the Director of International Studies, 116 Jesse Hall.

Interstate Agreements with Kansas and Nebraska for Exchange of Students on Resident Fee Basis

By joint agreement of the Board of Curators of the University of Missouri, and the Boards of Regents of the Universities of Nebraska and Kansas, qualified students who would be eligible to pay only resident fees at the University of Missouri may enroll in certain programs in Kansas and Nebraska and be charged at the rate paid by students residing in these states. Conversely, qualified students who would be eligible to pay only resident fees in Kansas and Nebraska may enroll in certain programs on one of the campuses of the University of Missouri and be charged fees at the rate paid by Missouri residents.

Student Welfare

LIVING ACCOMODATIONS

Housing Regulations

Unmarried freshmen who are less than 21 years of age are required to reside in University-supervised housing unless excused by the Director of Housing. University supervision of student housing is limited to:

- (a) facilities operated by the University of Missouri-Columbia (UMC),
- (b) houses operated by groups (cooperatives, fraternities, and sororities) recognized as student organizations by the Committee on Student Affairs, and
- (c) a privately-owned residence (Mark Twain Residence Hall) whose owners have agreed to provide supervisory personnel satisfactory to UMC and to enforce in their facilities the same rules and regulations regarding conduct that are observed in facilities operated by UMC.

An unmarried freshman less than 21 years of age who desires to live somewhere other than in the University-supervised housing listed above and who does not plan to live with parents must send to the Housing Office a written request for permission to occupy other housing. The request should show the address of the proposed housing, the student's reasons for desiring to reside there, and the parent's approval. Approval by the Housing Office is limited to cases having extenuating circumstances.

Except for the freshmen who are required to reside in University-supervised housing, all students are permitted to reside in such housing as they and their parents may select.

University-Owned Housing

Single men and women. Residence halls are available for the accommodation of men and women freshman, upperclass and graduate students.

Head residents and student assistants supervise the social, recreational, and cultural programs in the halls. Food services are supervised by experienced personnel.

Students enter into contracts with UMC for accommodations in university residence halls on a room and board basis for the entire academic year. The current rate (1971-72) for one-half of a double room is



\$940 per academic year. Payments may be made in installments. Application blanks and additional information may be obtained from the Housing Office, 123 Jesse Hall.

Married students. UMC has 360 unfurnished apartments for married students. One-hundred-twelve one-bedroom apartments and 56 two-bedroom apartments, renting for \$75 and \$90 per month respectively, are located in an area known as University Village. Fifty-two one-bedroom apartments and 140 two-bedroom apartments, renting for \$80 and \$95 respectively, are located in two areas named University Terrace and University Heights. Application blanks may be obtained from the Housing Office.

Cooperatives

Students who live in cooperative houses have an opportunity to reduce room and board expenses by sharing some of the work in the house. The cost of room and board in women's cooperatives ranges from \$66 to \$75 per month. Inquiries should be addressed to Templecrone, 1404 University Ave., or Rochdale Co-op, 607 S. Fifth St., Columbia, Mo. 65201.

Campbell-Harrison accommodates approximately thirty women students enrolled in Home Economics. Applications may be made directly to the President, Campbell-Harrison House, 1415 University Ave., Columbia, Mo. 65201.

Crest Co-op House, 500 East Rollins St., furnishes room and board to men at a cost of approximately \$720 per academic year. Applications should be addressed to the manager of the house.

Fraternities and Sororities

Fraternities and sororities are private, self-governed groups that have resident University-approved housemothers. Monthly charges for room and board range from \$100 to \$165. These charges do not include pledge fees, initiation fees, or building fees (if any). Inquiries concerning fraternities and sororities should be addressed to the Center for Student Life, 100 Read Hall.

Off-Campus Housing

To assist those students who do not elect (and are not required) to reside in university-supervised housing, the Housing Office maintains a listing of available rooms and apartments in off-campus housing facilities; however, the Housing Office does not serve as a rental agency for these accommodations.

Although some students are able to complete arrangements with householders by mail, most students find that a trip to Columbia, well in advance of the date housing is required, aids them in making more satisfactory arrangements for off-campus housing. For this reason and because lists of accommodations in off-campus housing are frequently amended, the lists are not available by mail.

STUDENT HEALTH SERVICE

A student's health has an important relationship to his ability to profit from and progress in his total educational endeavor. If a student is ill, incapacitated by accident, or in generally poor health, he will be unable to study, attend class and learn as effectively as he otherwise would. Consequently, UMC offers a two-part health program consisting of (1) a Student Health Service and (2) a supplementary sickness and accident insurance policy.

Medical Examination. A complete medical examination, performed by a licensed physician, is required of all new students, full-time and part-time, prior to enrollment. This requirement includes a Report of Medical History and a Report of Medical Examination. No exemption is permitted. Any delay in accomplishing this may result in a delay in enrollment or, in

certain instances, suspension or required withdrawal from UMC. In addition, a smallpox vaccination, tuberculin test, and a urine test are required. It is advisable to have these done at the time of your medical examination. If this is not feasible, they will be done by the Student Health Service during registration period.

The Report of Medical History and Medical Examination form may be obtained from the Director of Admissions.

Services Rendered. All students in residence at UMC are entitled to Student Health Service care at no cost. This medical service will be provided *only at the Student Health Center*, and consists of outpatient medical care, infirmary care (including consultative services in the infirmary) and the usual ancillary services, such as laboratory, X-ray, physical therapy and pharmacy. Infirmary care for full-time or part-time students, is limited to 30 days per semester, 15 days per summer session and 7 days per intersession. Medical care, both outpatient and inpatient, is provided at the Student Health Center for the usual and ordinary illness and accident. The services provided are in accordance with established UMC regulations.

Services Not Rendered. In circumstances where hospitalization or the services of specialist care is required, but not provided at the Student Health Center, such hospitalization and medical care rendered will be the responsibility of the student; however, the Student Health Service will assist the student in arranging for these services if so requested by the student.

Supplemental Sickness and Accident Insurance Plan. This plan, sponsored by the University of Missouri, is obtainable at a low cost and will for the most part cover the student's needs for hospitalization, surgery and consultative services not provided by the Student Health Service. Also see Student Insurance under Fees and Expenses in this catalog.

Special Cases. The Director of the Student Health Service is authorized to require any student to withdraw from school at any time if the student has an ailment that:

- (1) interferes with his attendance or progress at school;
- or

- (2) might possibly constitute a hazard to himself and to other students; or
- (3) disturbs him so that he does not fit satisfactorily into the social pattern of the student body.

In addition, the Director is authorized to suspend any student who does not comply with the requirements concerning medical examination.

SCHOLARSHIPS AND FINANCIAL AID

Scholarships and Prizes

Scholarships and prizes are awarded to many outstanding students in recognition of their scholastic achievement. These are available through the generosity of a large number of alumni and friends as well as business firms, educational foundations, the Board of Curators, and other organizations. A complete listing of scholarships and prizes may be found in the *Scholarships, Aids and Awards Bulletin*. Many prizes and awards are designated for students enrolled in special curricula or in certain undergraduate divisions on the UMC campus.

Curators Freshman Scholars, named from among the top-ranking students in each high school graduating class in Missouri, may attend UMC with a waiver of incidental fees for the first year. These benefits are continued for those whose grade point averages rank them in the upper five per cent of their respective classes.

Missouri students selecting to attend a junior or senior college closer to their homes during the freshman and/or sophomore years are also eligible to receive a partial waiver of incidental fees from the Curators Scholars Program upon transfer to UMC if they have maintained high academic standing.

Undergraduates who maintain a cumulative grade point average of 3.5 are also eligible to be named University Scholars and to receive partial waiver of incidental fees.

Other Financial Aids for Undergraduate Students

UMC has a number of resources available to enable worthy students with financial need to attend college. The Univer-

sity administers financial programs provided by the federal government under the provisions of the National Defense Educational Act, the Health Professions Act, Nurse Training Act, the Higher Education Act of 1965, and the Guaranteed Student Loan Program. In addition, the Board of Curators designates certain funds to support part-time employment and loan programs. There are not presently sufficient financial aids available to meet the rapidly increasing demands for jobs, scholarships, and loans; hence, available financial aids must be divided among those who have the greatest calculated financial need.

Loans are available through UMC funds, the National Defense Student Loans program, and through guaranteed loans from the hometown bank or other qualified lender. Interest rates range from four to seven per cent, and, depending on the source of the loan, repayment schedules are relatively flexible, usually beginning the first month after the loan is made to nine months after the borrower ceases to be a student.

Employment

Many students earn part of their expenses while attending UMC by part-time employment either on campus or in the community. Students eligible for the Student Labor or Work-Study programs administered by UMC are assigned employment, such as clerical or stenographic, laboratory and library assistance, cafeteria and other food services positions, by the Office of Student Financial Aids. Usually, students seeking employment off campus must assume individual responsibility for obtaining part-time positions, although the Office acts as a liaison for odd jobs between students and Columbia residents.

Many students desire to be entirely self-sufficient in the financing of their educations. While this is an admirable trait, students and parents alike are cautioned not to carry this desire to extreme. Although studies have indicated that students who work no more than fifteen hours a week perform scholastically as well as those who are not employed, an overload of outside employment can be

equally detrimental to academic achievement. Since most undergraduate divisions at UMC require students to be enrolled for no fewer than twelve semester hours, it is apparent that a demanding outside employment schedule is inadvisable.

Inquiries concerning any of the above information should be addressed to the Director of Student Financial Aids, 11 Jesse Hall, UMC.

Graduate and Professional Fellowships and Financial Aid

Students in the Graduate School and in the professional Schools of Law, Medicine, and Veterinary Medicine will find a number of fellowships, assistantships, and loans available to assist them in meeting university costs. Applicants should direct their inquiries to the office of the dean of the school in which they will enroll, and also to the chairman of the department in which they will do their major study. Many fellowships have early deadlines for applications. Hence, it is wise to start inquiries ten to twelve months ahead of enrollment.

OFFICE OF THE FOREIGN STUDENT COORDINATOR

New students from other countries are urged to arrive in Columbia one week before the opening of the semester in which they first enter UMC. This enables them to attend orientation programs and meetings designed to acquaint them with the campus and the city of Columbia, with the operation of UMC, and to obtain suitable living quarters.

Upon arrival in Columbia, a new student from abroad should contact the Coordinator of Foreign Student Programs, 100 Read Hall, who will provide guidance concerning registration procedures, campus locations, and other matters except those of a strictly academic nature. The Coordinator, if notified of the student's exact time of arrival in Columbia, will attempt to make arrangements to meet the student.

UMC is one of the cooperating institutions giving agricultural training to students from other countries under the Agency for International Development (AID). A special office has been established at 114 Waters Hall to assist such students.

SPEECH AND HEARING CLINIC

The Department of Speech and Dramatic Arts conducts a clinic in which students may be examined and advised regarding the correction of minor as well as major speech or hearing defects. Students desiring such assistance should consult the Director of the Speech and Hearing Clinic in Parker Hall.

TESTING AND COUNSELING SERVICE

UMC provides a counseling service to help students achieve maximum benefit from attending college. The student may consult a counselor for help in choosing a major in college, in choosing a vocational goal, improving study skills, or in resolving personal problems.

Counseling consists primarily of discussions between the student and a counselor; it also may include testing to determine the student's intelligence, aptitudes, vocational interests, and personality characteristics. The Mental Health Clinic provides psychological, psychiatric, and related services.

Counseling is available on a voluntary basis. Students may make appointments with a counselor by contacting the Testing and Counseling Service, 220 Parker Hall, telephone 449-9121.

VETERANS, WAR ORPHANS, AND SOCIAL SECURITY AID

UMC maintains a service office to assist veterans, war orphans, and those receiving social security aid with financial details related to educational benefits. Information may be obtained from this office, 219 Jesse Hall.

Libraries

The University of Missouri-Columbia libraries, consisting of more than 1,600,000 volumes and more than 15,000 current periodicals, provide outstanding facilities for course preparation and scholarly creative work.

The Ellis Library Building provides seating for 1,800 in its reading rooms. In addition, there are a number of carrels and studies for graduate faculty research.

A noncirculating, supervised Seminar Book Collection of some 4,000 titles is maintained for the use of upper level and graduate seminar groups. Adjoining this collection and located in other parts of the building are small seminar rooms where groups can meet for classes.

Service in the building is organized on a subject basis and includes the following special libraries: Science; Business and Social Science; Geography, History and Philosophy; Education; Language and Literature; and Art, Archaeology and Music. Other units located in the Main Building include a Department of Special Materials (rare books and microforms) and the Undergraduate Library. The Library's microform collection, numbering almost a million units, is the second largest in the United States.

Branch libraries, situated on the campus at strategic points to serve the faculty and students of the various divisions, contain the most useful and most recent material in their respective fields.

The Atomic and Space Sciences Library, located in the Dalton Space Sciences Research Center, offers a select collection of reference volumes and professional journals relating to Nuclear and Space Sciences.

The Engineering Library, rich in publications of societies, governments, and trade organizations, numbers about 30,000 volumes.

The Geology Library, containing 26,000 volumes, is significant for its complete holdings of publications of the United States Geological Survey and extensive holdings of state geological, mineral, and natural resources departments, as well as domestic and foreign geological periodicals.

The Journalism Library contains 15,000 volumes with information relating to the history of journalism, advertising, management, law of the press, circulation, news photography, typography and the history of printing, and radio and news reporting. In addition to these books, more than 20,000 books in the communication fields are shelved in UMC's Ellis Library.

The Law Library of 125,000 volumes includes, in addition to the reports of the United States Courts and of the courts of last resort of the several states, both the original and reprints of the English reports, and the reports of the British Commonwealth. Of particular interest to students engaged in research is the Lawson collection of criminal law. The Statutes of the Realm furnish invaluable research material in the fields of English history, government, social legislation, and related subjects. Extensive additions are being made to the international collection. Other collections include the latest statutory compilations of all the states, law reviews and professional journals, the necessary digests, standard treatises and encyclopedias.

The Mathematical Sciences Library, including Mathematics, Statistics and Computer Science, is housed in the Mathematical Sciences Building. It consists of some 12,600 volumes of books and journals.

The Medical Library has approximately 100,000 volumes and receives 1,600 journals currently.

The 12,000-volume *Veterinary Medicine Library* is a small but concise collection selected for veterinary medical practice and research.

A branch library serving *Chemistry, Astronomy, and Physics* is scheduled to open in the summer of 1972. It will be handsomely housed in the two-story annex of the new chemistry building.

The University Collections are frequently reinforced by gifts of friends and alumni. Recent outstanding gifts include the library and manuscripts of John C. Neihardt, the libraries of the late Dr. Frank Luther Mott,

dean and professor of journalism, of Judge Laurance M. Hyde of the Missouri Supreme Court, of Methodist Bishop Ivan Lee Holt, and of former governor Henry S. Caulfield.

Two other Libraries, the Western Historical Manuscripts Collection and the Library of the State Historical Society of Missouri, are open to faculty, students, and the public for study and research.

The Western Historical Manuscripts Collection was established at UMC with the assistance of the Humanities Division of the Rockefeller Foundation. In 1963 the manuscripts collection of the State Historical Society was physically combined with it. The joint collections contain a distinguished body of manuscript material in more than 1,000 separate collections totaling 9,000,000 pieces. Most of the papers relate to the area of the Missouri River and Great Plains and include interesting correspondence, account books, and diaries representing early and recent business, professional, political, and social life. Photographic equipment is available for reproducing rare papers which cannot be acquired in the original.

A record of the holdings of this collection is located in each of the other three University campus libraries. Plans are being formulated to provide microfilmed copies of the manuscripts to the other campuses.

The Library of the State Historical Society of Missouri, which shares the Library building, has an extensive collection of Missouriana and the early West. This collection comprises 370,000 volumes, including 18,500 bound volumes of Missouri newspapers and 4,676 bound volumes of Missouri magazines and college periodicals; 5,200 items in the Bay Collection of the Society which is a unit in itself; 181,000 duplicate volumes of Missouri official publications; 17,000,000 pages of Missouri newspapers on positive microfilm; 300,000 pages of original manuscripts; 935,000 pages of manuscripts on microfilm; 150,000 items of Missouri state archives; 19,060 engravings, lithographs, paintings, photographs, pictures, portraits, and original drawings of cartoons; and 85,659 maps, scrapbooks, and World War I and II letters, records, and clippings.



Museums, Art Collections

Over a million specimens, providing valuable material for research, are included in a number of collections and museums administered generally by departments of the University of Missouri-Columbia. Most important are the following:

Museum of Anthropology. The museum controls extensive collections of American Indian archaeological and ethnological materials as well as modest amounts of anthropological specimens from other areas of the world. Some of these materials are displayed on the ground floor of Swallow Hall. Study collections are located in Swallow Hall and at the Archaeological Research Laboratories, 703 Missouri Avenue. Archaeological materials of the Missouri Indians and the immediate locality are housed at the Lyman Research Center located near Miami, Missouri. Several courses are given each semester to train students in museum work.

Museum of Art and Archaeology. Housed on the fourth floor of the Ellis Library Building, the museum collections comprise art objects representative of all parts of the world and periods from the palaeolithic to the present. Primitive art—African, Oceanic, and Central and South American; ancient art of the Near East; Egypt; Greece and Rome; Middle and Far Eastern Art; post-classical Western art, including the Kress Study Collection of

Italian Renaissance painting; and modern and contemporary art of Europe and America are all represented among the 5,000 objects in the museum. Also part of the museum is the Gallery of Casts of Greek and Roman sculpture in Room 325 Jesse Hall, where objects from the museum's collections are always exhibited.

Entomology Museum. These collections, comprising some 750,000 specimens, are housed in Room 3-38 Agriculture Building. This, the major insect collection in the state, is primarily for research, with only a very small portion exhibited. Besides insects, there are other groups of Arthropoda, notably spiders and mites.

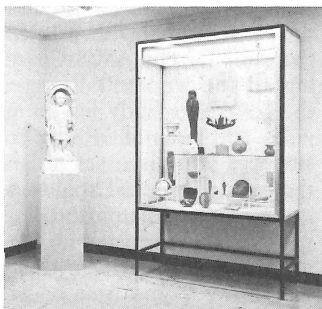
Geology Museum. Among the more than 100,000 specimens in the museum, invertebrate collections are especially rich in fossils of Devonian, Mississippian and Pennsylvanian rocks of Missouri and the mid-continent; the vertebrate collections are largely of Pleistocene mammals. The collection of Conodonts is the most varied and nearly complete of its kind in the world. The collection of fossil Charophytes is the most nearly complete in existence. The Paleontologic collections of the Missouri Geological Survey are also located here. More than 6,000 mineral specimens are on display, a part of more than 50,000 species in museum storage. Suites of min-



erals are present of most of the important mining districts of the West. The mineral collections are among the largest in the Midwest.

Herbarium. The plant collection, in 226 Tucker Hall, is primarily from Missouri and adjacent states and is valuable for regional research, but teaching materials include representation on a worldwide basis. It includes 7,000 Mexican and Central American specimens. The collections comprise some 135,000 specimens, accessioned, and about 100,000 still unmounted.

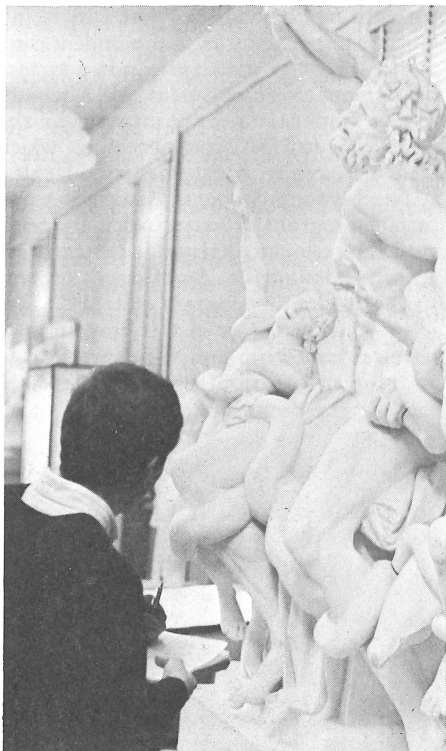
Zoology and Wildlife Collections. The extensive teaching and research collections of the vertebrate animals of Missouri and surrounding states include more than 3,000 mammals (both skins and skulls), nearly the same number of bird skins, about 5,000 amphibians and reptiles, and approximately 20,000 preserved fish. More than 230 excellent mounts of waterfowl and game birds are on continuous display in Lefevre Hall.



Art Collections. The Scruggs-Vandervoort-Barney Collection, "Missouri, Heart of the Nation," is on view in Jesse Hall. The collection comprises 99 paintings and drawings of Missouri subjects by well-known American artists. On permanent display in the Library are preliminary sketches and paintings of the murals in the Missouri state capitol.

For the Kress Study Collection, see "Museum of Art and Archaeology."

The State Historical Society's historical art collection, also located in the Library and open to the public, contains the major national collection of George Caleb Bingham's paintings including Missouri's most historical painting, "Order No. 11." Other important art holdings include 284 works by contemporary Missouri artist Thomas Hart Benton and 26 aquatint hand-colored engravings and lithographs of birds and animals indigenous to Missouri by John J. Audubon. Another significant art property includes a large collection of editorial cartoons by Daniel Fitzpatrick, S. J. Ray and Don Hesse.



Student Life and Activities

The University invites all students to become active participants in one or more of the varied extracurricular activities on the campus. Formal and informal student organizations and University departments and divisions sponsor activities in music, drama, religion, recreation, intramural athletics, publications and many other special interest areas. Participation in a variety of activities allows and promotes opportunities for personal growth and development through interaction with other students and faculty.

A student should be wary of initially investing too much of his time in non-academic activities. Each student should individually ascertain his own optimal balance of academic and extracurricular commitments.

Missouri Students Association

Each student at UMC is a member of the Missouri Students Association. Through MSA all students have a voice in UMC affairs and are offered the opportunity to fulfill their responsibilities to the student community through participation in a system of student self-government. MSA recommends students for appointment by the Chancellor to UMC committees, on which students have an equal vote with faculty.

The Missouri Students Association presents a program of extracurricular social, cultural, educational and recreational activities designed to be of direct support to the academic program of UMC. Students who participate in this program may develop leadership and self-expression in addition to contributing to the development of the campus community.

Divisional Student Councils

A student council in each school and college provides students with the opportunity to participate in decisions relating to academic and other matters pertaining to the division. Councils recommend students for membership on important divisional committees composed of faculty and students. The councils also allocate funds accruing to them from the Student Activity fee and provide special programs of lectures, plays, films, and social events

of particular interest to students of the division. Membership on the divisional council is by election within the school or college.

Student Activities

The MSA Student Activities Board is charged with the responsibility of sponsoring programs for the educational, cultural, social and recreational benefit for the student body and University community while providing opportunities for leadership training, community service and self-development for the individual student.

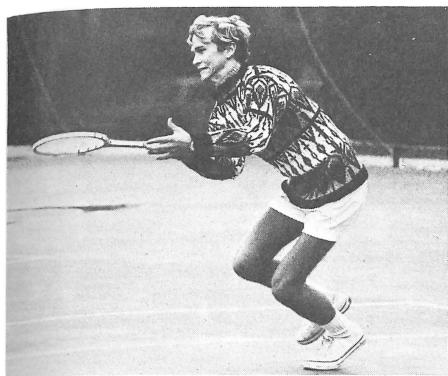
In addition to providing the traditional activities such as popular concerts, nationally-known speakers, free films, plays and programs for foreign and minority students, Student Activities, along with other organizations of MSA, has supplemented its programs with recreational and travel services to enhance the individual's student life and well-being.

Association of Women Students

AWS is the organization that considers the welfare of all the women students on the campus. The AWS Council, representing all the women's living units, acts as the governing body for the group. It provides programs of interest to the women students and discusses policies regarding the regulations and standards for women students. Any recommendations for changes in rules and regulations for women students are referred from this group to the University Committee on Single Student Housing for final adoption. AWS is a branch of the Missouri Students Association.

Athletics and Recreation

Indoor physical education and athletic activities for men are held in Rothwell Gymnasium and Brewer Field House, which include indoor track and field areas, basketball and volleyball courts, and a wrestling room. Outdoor facilities include play fields and paved tennis courts. Memorial Stadium seats 55,000 spectators for intercollegiate football games and track



meets. The baseball stadium seats approximately 4,000, and adjacent practice fields cover a 30-acre plot. There is an 18-hole golf course available to students on a daily fee basis. A men's natatorium with indoor and outdoor swimming pools is in operation.

Recreational uses of facilities and some equipment are arranged for men when the areas are not otherwise assigned. An extensive intramural program for men provides the opportunity for students to participate in competitive sports as regularly as time, interests, and ability permit. Tournaments are arranged in touch football, tennis, handball, basketball, table tennis, volleyball, golf, bowling, softball, swimming, wrestling, track and field events, soccer, and pocket billiards.

The women on the Columbia Campus have a separate gymnasium and play field. The gymnasium includes a corrective room, dance studio, and swimming pool.

The intramural program for women includes competition in tennis, swimming, golf, field hockey, bowling, volleyball,

basketball, badminton, table tennis, softball, archery, track and field. The women's facilities are also used for play days and sport competition with other schools.

Concerts and Recitals

UMC presents an annual concert series which gives students an opportunity to hear internationally acclaimed soloists, orchestras and other musical programs free of charge. In addition, faculty and student recitals are scheduled and regular concerts are given by the University Symphony Orchestra, the University Singers, the Concert Band, the Collegium Musicum, the Esterhazy String Quartet in Residence, and other small ensembles and Chamber Music groups.

Dramatics

All students are eligible to participate in the dramatic presentations of the University Theatre.

During the school year several major productions ranging from contemporary plays to the classics are presented. In addition, the Summer Repertory Theatre presents a paid company of student actors in three plays in nightly rotation during the month of July.

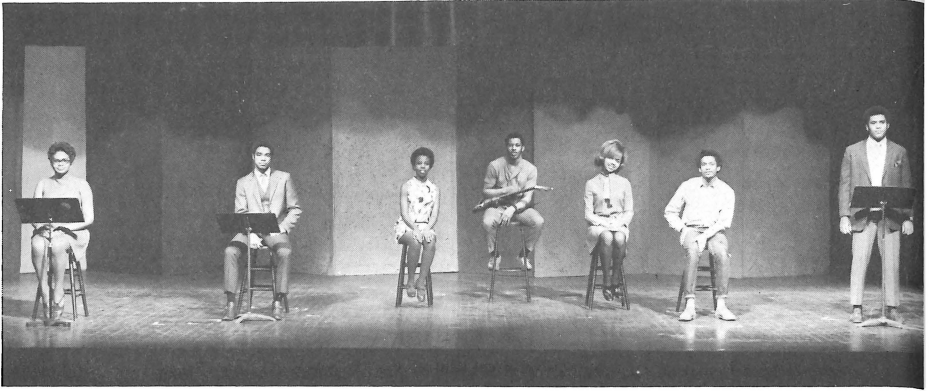
An original one act playwriting contest from which the best plays are selected for full stage presentation is held each year.

Students are admitted free to all theatre activities mentioned above.

In addition, the Student Activities Group each year sponsors a series of plays produced by New York touring companies.



University Chorus



A Readers Theatre Presentation

Oral Interpretation

All students are invited to participate as directors, readers, or audience members in the PARNASSUS Reading Hour Programs, presented twice each month on Wednesdays at 4:15 p.m. This program series includes adaptations of short stories, novels and plays, original script materials, and poetry readings.

A Readers Theatre presentation is the major production of the year. The annual Hawthorn Festival, conducted in March, is another major offering. Throughout the year, students participate in festivals at other colleges and universities.

Debate and Forensics

An extensive intercollegiate program allows participants to compete with other colleges and universities throughout the country in debate, discussion, oratory, extemporaneous speaking, legislative assemblies, and similar events. The intercollegiate debate program is closely coordinated with two one-hour courses in intercollegiate debate. In addition, several intramural activities each year allow students to expand their forensic talents.

Fraternities and Sororities

Twenty-nine social fraternities and sixteen social sororities, all with national affiliations, have chapters on the Columbia Campus. These organizations are subject to certain rules and regulations established by two faculty committees. One is the Committee on Student Organizations, Government and Activities, and the other

is the Single Student Housing Committee. Students have membership on both committees. The Interfraternity Council and the Panhellenic Association are the coordinating councils for the member groups. The Center for Student Life counsels with these organizations and with the officers of the individual groups.

Honorary Organizations

Honorary organizations recognize outstanding scholastic achievement, leadership, and service to UMC. Phi Eta Sigma (men) and Kappa Epsilon Alpha (women) recognize high scholastic attainment among freshman students based on their first semester's work. Sigma Epsilon Sigma (women) and Sigma Rho Sigma (men and women) extend membership to those qualified after two semesters' attendance as freshmen at UMC. After the freshman year, numerous honorary organizations recognize scholarship, leadership, and service, as do all of the professional schools. Mortar Board, Mystical Seven, Omicron Delta Kappa, LSV, and QEBH are senior organizations which recognize leadership and service, as well as scholastic attainment.

In addition to the above campus-wide honorary organizations, each of the divisions on campus has chapters of national honorary societies to which students are elected on the basis of outstanding scholastic achievement.

Musical Organizations

Students majoring in music or music education are required to participate in the

University Symphony Orchestra, Band, Choral Ensembles, and small ensembles and chamber groups as advised unless excused by the Chairman of the Music Department. Any of the musical organizations may be elected as an activity as well as for credit.

The University Singers consists of about 40 selected student singers. Players of orchestral instruments are admitted to membership in the University Orchestra after conference with the director. The University Band is organized as a concert unit, a marching unit, and an ROTC or regimental unit. Marching Band is accepted as a section of the present physical education requirement for men and women, during the fall semester.

Student Publications

UMC provides students an opportunity to work on student publications. Opportunities are available with *Savitar*, the school yearbook; and the two Campus newspapers, *Blackout* and *The Maneater*. Student publications' offices are located on the third floor of Read Hall (Center for Student Life).

Religious Activities

Although the University, as a state institution, is prohibited from sponsoring religious activities, it realizes the importance of religion in the life and education of students.

The A. P. Green Chapel is located on the Columbia Campus, adjacent to the Memorial Union. It is open daily to individuals of all faiths for meditation and prayer, and is available for religious programs, special devotional services by groups with UMC affiliation, weddings, memorial services and funerals of persons affiliated with UMC.

The Advisers to Campus Religious Groups is an interfaith organization of campus religious workers. The primary purpose of the organization is to act as the liaison body between UMC and the various campus ministries. The Advisers are listed in the UMC Office and Telephone Directory and the *M Book*.

RESERVE OFFICERS TRAINING CORPS

Army, Navy, and Air Force

Under the provisions of the Morrill Act approved by Congress on July 2, 1862, the University of Missouri was designated as a Land Grant University. Military training is required to be offered in the curriculum at the University of Missouri-Columbia as its contribution toward national defense, in return for which instructors, equipment, uniforms, and funds therefor are furnished to the University by the United States government.

Military training is offered through the Army, Navy, and Air Force R.O.T.C. programs. The primary purpose of these programs is to train selected students for a commission in the service of their choice. Enrollment in courses in R.O.T.C. is voluntary.

Students enrolled in the Army, Air Force, or Naval R.O.T.C. programs are granted a 1D deferment from induction by Selective Service for the purpose of completing these programs and receiving commissions. This deferment will be cancelled if the student fails to maintain established standards or withdraws from the R.O.T.C. program in which enrolled.

Detailed information concerning R.O.T.C. programs may be found in the *R.O.T.C. Bulletin*.

Fees and Expenses

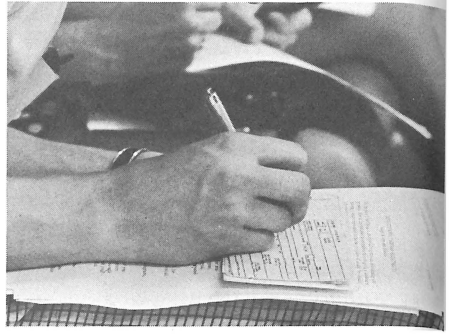
All statements as to fees are by way of announcement only for the school year covered by this Catalog and are not to be regarded as offers to contract on the basis of those statements, inasmuch as the University expressly reserves the right to change any and all fees and other charges at any time, without any notice being given in advance of such a change.

For the purpose of all rules regarding enrollment fees, courses taken as a hearer and courses taken for reduced credit will be counted at their normal credit value in computing the amount of fees to be paid. Students enrolling in zero credit courses are required to pay fees according to the number of hours of instruction.

For any sessions other than those specified or for any fee which cannot be calculated on a per credit hour basis the session fee or per credit hour fee shall be prorated. When less than one credit hour is offered during an intersession the per credit hour fee shall be reduced to the appropriate fraction.

Time of Payment of Fees. All University fees must be paid at the time of registration as a condition of admission to classes. Students who preregister must pay fees by the announced deadline or the advance registration will be cancelled and the student will be required to register again and pay fees during the regular registration period as indicated on the Columbia calendar. Registration is not complete until all fees are paid.

Personal Checks. Personal checks in payment of fees or other obligations to the University will be accepted only when the amount of the check does not exceed the amount due from the student. A student who presents a check to the University in payment of student fees, which for any reason is not honored by the bank upon which it is drawn, will be automatically suspended from the University and may be reinstated only upon approval of the student's divisional dean, payment of the amount of the check, and a reinstatement fee of \$5.00.



Transcript Evaluation Fee

Undergraduate non-residents of Missouri are required to pay a transcript evaluation fee of \$10.00. This rule applies to all except applicants who request admission in order to become candidates for the degrees of Juris Doctor, Doctor of Medicine, Doctor of Veterinary Medicine, or those with baccalaureate degrees who apply for admission to divisions other than the Graduate School.

Incidental Fee

All students enrolled in the University are required to pay an Incidental Fee as follows:

For one semester of approximately 16 weeks (8 or more hours)	\$230.00
For one term of approximately 8 weeks (4 or more hours)	115.00
For one term of 7 weeks—Forestry (4 or more hours)	100.00

For any other sessions not specified above and for partial enrollments the Incidental Fee shall be calculated at the rate of \$29.00 per credit hour or fraction thereof.

Candidates for an advanced degree who have completed in a previous semester or term all requirements but the final examination and the submission to the graduate faculty of a thesis (if required) and who are not regularly enrolled in the Graduate School, must enroll in the Graduate School before the examination may be given or the thesis read. Such students must enroll for examination for no hours credit and pay a fee of \$29.00. Students who enroll under this rule are not entitled to Student Health Service benefits.

Pre-payment on Incidental Fee: Students accepted for admission on the Columbia Campus are required to deposit the following pre-payment:

Missouri residents (except School of Law)	\$20.00
Non-residents of Missouri and School of Law	50.00

This payment is non-refundable but may be used as part payment of fees if the applicant enrolls at the University of Missouri-Columbia within a year following payment.

Non-Resident Tuition

In addition to the Incidental Fee, tuition will be charged any student who is not a Missouri resident at the time of original registration, or who has not been a resident for at least one year immediately preceding such registration. Aliens who are Missouri residents and who fulfill other requirements in the detailed pamphlet, *Tuition and Residence Rules*, may be exempted from paying tuition.

No tuition is charged to a non-resident student who is a full-time academic or administrative staff member of this University, or is the unmarried minor child or spouse of such staff member. Non-resident graduate students on a 25 per cent full-time equivalent or more appointment, or on full-time hourly status, or holding a fellowship which does not include payment of tuition, will not be charged tuition. Non-resident graduate students who were enrolled in Graduate School in 1969-70 (fall 1969, winter 1970, summer 1970), or who first matriculated in Graduate School in the fall of 1970, and who are progressing satisfactorily, shall be entitled to two additional continuous years of residence status beginning with the fall semester 1971. A graduate student should contact the Graduate School or chairman of the department in which he is interested to determine the fees that might apply in his case. Most other students who are not residents of Missouri are charged tuition, but in some cases non-residents are exempt from tuition, or tuition is at a reduced amount, as provided in the detailed pamphlet, *Tuition and Residence Rules*.

It is the responsibility of each student to register under the proper residence and pay proper tuition fees, and it is his respon-

sibility to raise the question if there is a possibility that he is subject to such fees.

The Director of Cashiering, 123 Jesse Hall, or the Director of Admissions, 130 Jesse Hall, will furnish, on request, the pamphlet *Tuition and Residence Rules*, which covers in detail the various cases.

Most non-resident students must pay tuition as follows:

REGULAR SEMESTER

(APPROXIMATELY 16 WEEKS)

<i>Number of Semester Hours</i>	<i>Non-Resident Fee</i>
10 or more	\$460.00
9	370.00
8	280.00
7	140.00
1-6 inclusive	none

SUMMER SESSION (8 WEEKS)

5 or more hours	\$230.00
4 hours	120.00
1-3 hours inclusive	none

SUMMER SESSION—FORESTRY (7 WEEKS)

5 or more hours	\$200.00
4 hours	104.00
1-3 hours inclusive	none

For any sessions other than those specified the tuition fee shall be prorated.

Student Activities Fee

Each student registered for resident work on the Columbia Campus is required to pay a Student Activities Fee as follows:

For one semester of approximately	
16 weeks (10 or more hours)	\$20.00
For one term of 8 weeks	
(5 or more hours)	10.00

For any other sessions not specified above and for partial enrollments the Student Activities Fee shall be calculated at the rate of \$2.00 per credit hour or fraction thereof.

No additional Student Activities Fee is charged if the student is enrolled simultaneously in a session or semester and in a special intersession.

No Student Activities Fee is charged during the period beginning with the close of regular summer session and ending with the beginning of the fall registration.

No Student Activities Fee is charged if the student is enrolled in courses which are offered off campus or if the student is enrolled in evening courses only.

Supplementary Fee for Field Instruction in the School of Social Work

Students enrolled in the following Social Work courses will pay Field Instruction practice fees, each semester as follows:

390 Field Instruction I\$25.00
391 Field Instruction II 25.00
491 Field Instruction III 40.00

Supplementary Fee for School of Medicine

Students registered in the School of Medicine pay a supplementary Medical School fee of \$75.00 per semester.

Supplementary Fee for School of Veterinary Medicine

Students who are enrolled in the School of Veterinary Medicine pay a supplementary Veterinary Medicine fee of \$75.00 for one semester.

Music Fees

In addition to the Incidental Fee the following is charged at UMC for each subject in applied music to cover private instruction of two half-hours per week:

16-week semester\$30.00
8-week summer session 15.00

For one half-hour, when approved:

16-week semester\$18.00
8-week summer session 9.00

Laboratory Breakages

Breakage or loss of laboratory equipment at UMC due to personal negligence on the part of the student is assessed against the student when the actual value of the supplies exceeds \$1.00. The amount of this charge is determined by the department chairman.

Military Deposit

Military equipment, including a uniform, is furnished to each student at UMC taking a course in R.O.T.C. A deposit of \$10.00 is required for all freshmen and sophomores enrolled in the Army and Air Force R.O.T.C. courses. The deposit will be returned to the student upon return of the uniform and equipment in satisfactory condition. Students enrolled in the Army courses who fail to complete the first year of enrollment will have withheld from

their deposit an amount equal to 50 per cent of the Army Quartermaster Corps price of shoes (approximately \$4.00) which have been issued to the students. Students enrolled in advanced courses are required to sign an agreement to reimburse UMC for any loss or damage. Freshmen and sophomores enrolled in Army and Air Force R.O.T.C. courses are required to sign an agreement to reimburse UMC for any loss or damage in excess of their deposit.

Late Registration Fee

Any student registering after the close of the regular registration period must pay a late registration fee of \$25.00.

Fee for Change in Course

A fee of \$5.00 must be paid for one or more petitions for change in course filed at any one time.

Fee for Transferring to Another Division

The fee for transferring from one division to another shall be \$5.00 and shall become effective the day class work begins. In such cases there is no additional fee for adding or dropping courses.

Reinstatement Fee

A student whose enrollment is terminated for any reason and who later requests readmission within the same semester or term, shall be required to pay a \$5.00 reinstatement fee in addition to regular fees. A student presenting a check to the University in payment of student fees, which is returned unpaid for any reason, is automatically suspended from the University and shall be required to pay a \$5.00 reinstatement fee in addition to the regular fees.

Fees for Special Field Trips at UMC

Field trip fee for Geology (8 weeks)\$67.50
Field trip fee for Forestry (7 weeks) 35.00

In addition to the above, students enrolled for such field trips will pay the regular Incidental Fee (see Incidental Fee—page 34).

For various summer camps and field trips other than trips during a regular

term, an incidental fee of \$29.00 per credit hour or fraction thereof is charged. Students who have not been bona fide residents of the State of Missouri for one year, as outlined in the pamphlet *Tuition and Residence Rules*, are required to pay the additional non-resident tuition.

The cost of transportation for any field trip may be charged if furnished by UMC.

Transcript Fee

A fee of \$1.00 is charged for each official transcript of credits. A fee of 50 cents is charged for all unofficial copies of credits.

Fees for Diplomas and Certificates

A diploma fee of \$5.00 must be paid for each degree conferred by the University, and a fee of \$2.00 for each certificate except for the certificate for the completion of the two-year course in agriculture, for which the fee is \$1.00. Those granted Ph.D. or Ed.D. degrees are furnished hoods, the fee for which is \$20.00.

Fees for Thesis or Dissertation

The following fees are charged in connection with the submission of a thesis or dissertation:

<i>Master's Degree</i>	
Thesis binding fee	\$2.00
Microfilming fee	3.00
<i>Doctor's Degree</i>	
\$30.00 Doctor's dissertation, microfilming, and binding fee.	

Diplomas Held for Delinquent Indebtedness

A student is required to clear all delinquent indebtedness to the University before a diploma may be released or transcript issued.

Student Insurance

An accident and sickness insurance plan is available at low cost to students and their dependents. This optional insurance plan is offered to help pay the expense of hospitalization and emergency medical care and treatment not provided by the Student Health Service while the student is at UMC, and to give further protection while the student is away from

the campus such as on weekends and during the summer months when the student is at home. Information concerning premiums and coverage is available upon request from the Student Health Service or the Cashier's Office, 123 Jesse Hall. The large majority of students will find it to their advantage to enroll in this accident and sickness insurance plan.

Refund of Fees

Students leaving school or dropping courses for which they have paid fees, will, subject to certain exceptions, receive, upon written request to the Director of Cashiering, a refund of fees paid in accordance with the following schedule:

TIME OF WITHDRAWAL	AMOUNT OF FEE TO BE REFUNDED
<i>16-WEEK SEMESTER</i>	
Before day classwork begins	Full Refund (less \$10 for cost of handling registration)
Within two calendar weeks from day classwork begins	70% Refund
After two calendar weeks and up to and including six calendar weeks	50% Refund
<i>8-WEEK SUMMER SESSION</i>	
Before day classwork begins	Full Refund (less \$10 for cost of handling registration)
Within one calendar week from day classwork begins	70% Refund
After one calendar week and up to and including three calendar weeks	50% Refund
After three calendar weeks	No Refund

For any session other than those specified the refund fee shall be calculated in the same proportion as the above schedule which is 70 per cent refund within approximately the first one-eighth of such session.

Deductions may be made from the above refund for any financial obligation due UMC.

A student who pre-registers and pays the regularly established fees but later reduces his enrollment during the period established for free petitioning (with the result that fees are reduced) is entitled to a full refund of the difference in fees.

Expenses

UMC attempts to keep required expenses at a minimum. The following table gives an estimate of the necessary school expenses for an unmarried student living in a UMC Residence Hall.

Estimated Basic Expenses for One Semester of 16 Weeks

Fees (Incidental & Student Activities)	\$250.00
Books and Supplies	65.00
Room and Board	470.00
Total	\$785.00

Note: Out of state students are required to pay an additional fee of \$460.00 each semester. The item for books and supplies may vary depending upon the student's course of study.

The expenses listed above cover only basic costs, and, of course, make no allowance for clothing and other personal expenses. Even a student who is to receive benefits from the Veterans Administration should be prepared to pay necessary expenses until the first check arrives.



General Regulations & Requirements

Requirements in American History, Institutions, and National and State Constitutions

Each student who is a candidate for an undergraduate degree at the University of Missouri-Columbia must present as a requirement for graduation a course or courses in this area.

If a student is working for two baccalaureate degrees, this requirement will apply to the first degree only. A transfer student should inquire at the office of the dean of his division to determine whether he has satisfied this requirement.

Program of Studies—Credit Hours

No undergraduate student is permitted to carry in any semester courses aggregating fewer than 12 credit hours, exclusive of the required work in physical education, without the special permission of his dean. Normal registration is 15 or 16 credit hours, exclusive of required work in physical education.

The unit of credit given in the University of Missouri-Columbia, the semester or credit hour, is the equivalent of a subject pursued one period per week for one semester. Thus, a 2-hour course will meet two periods per week for a semester—a 5-hour course will meet five periods per week for a semester. The lecture or recitation period is fifty minutes in length and the usual laboratory period an hour and fifty minutes.

Grading System

The grades used to report courses taken toward a bachelor's degree are *A*, *B*, *C*, *D*, *F*. The grade *A* indicates superior work; the grade *B*, above average work; and, *C*, average work. The grade *D* indicates that the student's work is below average, the grade of *F* that the work done is undeserving of credit. The Schools of Law and Medicine use *S* and *U* with *U* receiving no credit.

The grades of graduate students in all courses which count toward an advanced

degree are reported as *A*, *B*, *C*, or *F*. The grade *A* means that the student's work in a course is of outstanding merit and is an honor grade. The grade *B* means that the student's work in a course is entirely satisfactory. The grade *C* means that the student's work in a course will be considered satisfactory to a limited extent in fulfilling the requirements for advanced degrees. There is no *D* grade for graduate students. The grade *F* means that the student's work in the course has not satisfied the minimum necessary for passing the course.

Under certain conditions, undergraduate students may be permitted to carry a limited part of their academic program on a Satisfactory-Unsatisfactory grading system. Under this plan, Satisfactory (*S*) means *C* or better. Unsatisfactory (*U*) means *D* or *F* and carries no credit. *S* and *U* grades are not incorporated in the grade point average.

Grade Point Average

The grade point average for any period is obtained by dividing the total number of grade points ($A=4$ points, $B=3$, $C=2$, $D=1$, $F=0$) earned by the total number of hours for which the student was enrolled during that period. Courses in which a student receives the grade of *S* or *U*, required Physical Education, basic R.O.T.C. (except for Arts and Science where the excess over and above the 1 hour credit used for the requirement is included), and courses from which a student has been excused or in which the grade is "Delayed," are not included in the grade point average.

Both grades are included in the GPA in the case of courses repeated; no grades from other University of Missouri campuses are included; all extension and independent study credits are included. Since advanced credit awarded on the basis of superior performance on either University or departmental examinations is not graded, the credit is not included in the compilation of the grade point average.

Scholastic Penalties

Students who do not maintain satisfactory scholastic averages become subject to scholastic penalties. While University Faculty Regulations govern the minimal scholastic record required to continue in good standing, individual divisional faculties have their own regulations governing scholastic status. These regulations are printed in many of the divisional announcements, but a student should consult his divisional dean's office for specific information about scholastic penalties. Students who do not maintain satisfactory scholastic averages may become subject to dismissal.

Graduate and Undergraduate Enrollment

Seniors who at the beginning of their last semester rank in the upper half of their class and who need fewer than 15 hours to graduate may be permitted with the approval of the appropriate deans to register simultaneously in the Graduate School for courses sufficient to make a full program. Students pursuing such a program are said to be dually enrolled.

Qualified undergraduates who do not avail themselves of the opportunity of dual registration will not receive credit in the Graduate School for credit earned in the undergraduate divisions above graduation requirements.

Automobile and Other Motor Vehicle Registrations

Because of the substantial growth of the UMC student body in recent years, coupled with an marked trend toward off-campus living, the number of automobiles has increased and has caused traffic problems on the campus and on the streets of Columbia, with consequent hazards for pedestrian safety. The campus area is reasonably compact and conveniently located with respect to the city's business district, churches, and theaters; many students may not find a motor vehicle necessary.

It is in the best interests of UMC students that rules and regulations be adopted

governing the possession and use of automobiles; these regulations are applicable to all students at UMC, including graduate students and those whose homes are in Columbia.

Students with a motor vehicle (any motor-powered vehicle) must register it with the Traffic Control Division of the University Police Department within 48 hours after bringing it to Columbia. *There is no fee for this registration.*

Students who are non-residents of the United States must present a valid operator's license and show proof of liability insurance in order to register a motor vehicle. **NO EXCEPTION WILL BE MADE TO THIS RULE.**

A copy of the *Traffic and Parking Regulations* is available at all times at the Traffic Control Division.

Bulletins

Students desiring detailed information not included in this publication may obtain the announcements of the divisions, the Bulletin on *Scholarships, Aids, and Awards*, and other UMC Bulletins from the Publications Office, 223 Jesse Hall, University of Missouri-Columbia, Columbia, Missouri 65201.

New Student Orientation

An Orientation Program is offered to all new students to acquaint them with the facilities, services, and educational and recreational opportunities offered by UMC. During the summer, the Orientation Program is given in conjunction with advanced registration for the fall semester. A modified program is also given prior to registration for the fall and winter semesters and the Summer Session. The New Student Orientation Program includes conferences with advisers; placement tests for freshmen; tours of the campus; meetings with student leaders, faculty members, and administrators; and various social events. New students are required to attend the Orientation Program. For further information, write to the Center for Student Life, Read Hall.

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The University of Missouri is one university with four campuses—Columbia, Kansas City, Rolla, and St. Louis. Established in 1839 at Columbia (oldest and largest of the four campuses), the University is recognized as the first state university west of the Mississippi River. Designated a land-grant university in 1870, it has extended its educational benefits to all sections of the State of Missouri in addition to its traditionally assigned tasks of teaching and research within the campus settings.

The University is governed by a Board of Curators. The President of the University directs and coordinates programs of all four campuses. Activities of each campus are under the supervision of a Chancellor.

All statements in this publication are announcements of present policies only and are subject to change at any time without prior notice. They are not to be regarded as offers to contract.

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