CAUTION: The course offerings and requirements of the University are continually under examination and revision. This catalog presents the offerings and requirements in effect at the time of publication, but is no guarantee that they will not be changed or revoked. Current information may be obtained from the following sources:

**Admission Requirements**
-$-$ Director of Admissions

**Course Offerings**
-$-$ Department offering course

**Degree Requirements**
-$-$ Office of the Registrar, faculty adviser, head of major department, College Advising Center, or dean of college/school

**Fees and Tuition**
-$-$ Office of the Treasurer

**EEO/TITLE IX/SECTION 504 STATEMENT**
The University of Tennessee, Knoxville does not discriminate on the basis of race, sex, color, religion, national origin, age, handicap, or veteran status in provision of educational opportunities or employment opportunities.

UTK does not discriminate on the basis of sex or handicap in the education programs and activities which it operates, pursuant to the requirements of Title IX of the Education Amendments of 1972, Pub. L. 92-318; and Section 504 of the Rehabilitation Act of 1973, Pub. L. 93-112; respectively. This policy extends to both employment by and admission to the University.

Inquiries concerning Title IX and Section 504 should be directed to the Office of the Vice Chancellor for Planning and Administration, 521 Andy Holt Tower, 974-3391. Charges of violation of the above policy should also be directed to the Office of the Vice Chancellor for Planning and Administration.
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Academic Calendar for 1980-81

Summer Quarter 1980

June 12 Orientation (Transfer and Freshman)
June 13 Registration, First or All Terms
June 16 Classes Begin
July 3 Drop Deadline, First Term
July 4 Independence Day (No Classes)
July 16 Registration, Second Term
July 21 Classes Begin, Second Term
July 21 Drop Deadline, Full Term
August 7 Drop Deadline, Second Term
August 22 Classes End
August 26 Commencement

Fall Quarter 1980

September 22 Orientation (Transfer)
September 23 Registration, Summer Quarter 1980
September 23-24 Orientation (Transfer and Freshman)
September 25 Classes Begin
October 9 Drop Deadline
November 1 East Tenn. Educ. Assoc. (No Classes)
November 27-29 Thanksgiving (No Classes)
December 5-9 Final Evaluation Period (Alternative Period)
December 9 Classes End
December 12 Commencement

Winter Quarter 1981

January 5 Orientation (Transfer and Freshman)
January 7 Classes Begin
February 10 Drop Deadline
March 13-17 Final Evaluation Period (Alternative Period)
March 17 Classes End
March 20 Commencement

Spring Quarter 1981

March 25 Classes Begin
March 25-26 Registration
March 27 Easter
April 17-18 Classes End
April 30 Drop Deadline
June 3-6 Final Evaluation Period (Alternative Period)
June 6 Classes End
June 10 Commencement
Administrative Officers
Chancellor, Jack E. Reese, A.B., A.M., PH.D.
Assistant to the Chancellor, Donald R. Eastman III, A.B., PH.D.
Vice Chancellor for Academic Affairs, Walter R. Herndon, B.S., M.S., PH.D.
Associate Vice Chancellor for Academic Affairs, Handy Liston, Jr., B.S., M.E.A.
Associate Vice Chancellor for Academic Affairs, Ralph V. Norman, Jr., A.B., B.D., M.A., PH.D.
Vice Chancellor for Business and Finance, Homer S. Fisher, B.S., M.B.A.
Vice Chancellor for Graduate Studies and Research, L. Evans Roth, A.B., M.S., PH.D.
Vice Chancellor for Planning and Administration, Luke Ebersole, A.B., A.M., PH.D.
Assistant Vice Chancellor for Planning and Administration, Betsy B. Creekmore, B.S., M.A.L.S.
Vice Chancellor for Student Affairs, Howard F. Aldmon, B.S., A.M., ED.D.

General Administrative Officers
Athletics, Director, George R. Woodruff, B.S.
Development, Director, Jack E. Williams, B.S.
Finance, Director, Harold B. Whitehead, B.S., CPA
Graduate Studies, Dean, Clarence W. Minkel, B.A., M.A., PH.D.
Physical Plant, Director, John C. Parker, B.S.
Public Relations, Director, David H. Lauver, B.S.
Research, Dean, Carl O. Thomas, A.B., M.A., PH.D.
Student Affairs:
Admissions and Records, Dean, John J. McDow, B.S., M.S., PH.D.
Career Planning and Placement Service, Director, Howard H. Lumsden, B.S.
International Student and Cultural Affairs, Director, Dixon C. Johnson, B.S., M.A., PH.D.
Student Activities, Dean, Philip A. Scheurer, B.A., M.S.
Student Conduct and Orientation, Dean, Charles R. Burchett, B.S., M.A.
Student Counseling Center and Special Services, Director, Richard L. Nash, B.A., M.S., ED.D
Student Health Service, Administrator, Fred E. Young, Jr., A.B., M.C.

Colleges and Schools
AT KNOXVILLE
Graduate School
Vice Chancellor for Graduate Studies and Research, L. Evans Roth, A.B., M.S., PH.D.
Institute of Agriculture
Dean, College of Agriculture, O. Glen Hall, B.S., M.S., PH.D.
Acting Dean, College of Veterinary Medicine, C. F. Reed, Jr., D.V.M., M.S.
School of Architecture
Dean, Roy F. Knight, A.B., M.ARCH.
College of Business Administration
Dean, C. Warren Neel, B.S., M.B.A., PH.D.
College of Communications
Dean, Donald G. Hileman, B.S., M.S., PH.D.
Division of Continuing Education
Dean, Joseph P. Goddard, B.S., M.S., ED.D.
College of Education
Dean, William H. Coffield, B.S., M.A., PH.D.
College of Health, Physical Education, and Recreation
Dean, Madge M. Phillips, B.S., M.S., PH.D.
College of Engineering
Dean, and Director of Engineering Experiment Station, Fred N. Peebles, B.S. in CHE., M.S., PH.D.
College of Home Economics
Dean, Nancy H. Belck, B.S., M.S., PH.D.
College of Law
Dean, Kenneth L. Penegar, A.B., J.D., LL.M.
College of Liberal Arts
Dean, Robert G. Landen, B.A., M.A., PH.D.
School of Library and Information Science
Dean, Ann E. Prentice, A.B., M.L.S., D.L.S.
College of Nursing
Dean, Sylvia E. Hart, B.S.N., M.S.N., PH.D.
School of Planning
Dean, James A. Spencer, A.B., M.C.P.
School of Social Work
Dean, Ben P. Granger, B.A., M.P.A., M.S.S.W., PH.D.
Independent Departments
Air Force Reserve Officers’ Training Corps
Professor of Air Science, William J. Haynes, B.S., M.B.A., Colonel, USAF
Army Reserve Officers’ Training Corps
Professor of Military Science, Daniel H. Bauer, B.A., M.A., Colonel, USA
AT OAK RIDGE
Oak Ridge Graduate School of Biomedical Sciences
Director, W. E. Barnett, B.S., M.S., PH.D.

AT TULLAHOMA
Space Institute
Dean, Charles H. Weaver, B.S., M.S., PH.D.

Other Educational and Public Service Units
Division of International Education
Director, Dixon C. Johnson, B.S., M.A., PH.D.
Libraries
Director, Donald R. Hunt, B.A., M.A., M.A.L.S.
THE UNIVERSITY OF TENNESSEE BOARD OF TRUSTEES

Legal Title: The University of Tennessee
His Excellency, THE GOVERNOR OF TENNESSEE
Ex-Officio
The Commissioner of Education 
Ex-Officio
The Commissioner of Agriculture
Ex-Officio
The President of The University
Ex-Officio
The Executive Director of Tennessee Higher Education Commission
Ex-Officio

From Congressional Districts
Buford Goldstein, Elizabethton
First 1975 June 1, 1984
A. B. Long, Jr., Knoxville
Second 1977 June 1, 1986
Scott L. Probasco, Jr., Lookout Mountain
Third 1979 June 1, 1988
William M. Johnson, Sparta
Fourth 1975 June 1, 1987
Amon Carter Evans, Nashville
Fifth 1975 June 1, 1982
Clyde M. York, Columbia
Sixth 1953 July 1, 1981
Turner O. Laslee, Humboldt
Seventh 1979 June 1, 1988
Tom Elam, Union City
Eighth 1956 June 1, 1986
R. Lee Winchester, Memphis
Ninth 1975 June 1, 1984

From Anderson, Bedford, Coffee, Franklin, Lincoln, Moore, and Warren Counties
Charlotte Parish 1979 June 1, 1988

From Davidson County
Elaine McReynolds 1975 June 1, 1984

From Hamilton County
Paul J. Kinser 1969 June 1, 1987

From Knox County
Ann Baker Furrow 1971 June 1, 1980
Frank P. Bowyer 1959 June 1, 1980

From Shelby County
Harry W. Laughlin 1953 July 1, 1981
Marcus J. Stewart 1970 July 1, 1981

From Weakley County
Wayne Fisher 1953 July 1, 1981

Student Member
Steven L. Gill 1979 July 1, 1980

Officers of the Board
Lamar Alexander, Chairman
Harry W. Laughlin, Vice Chairman
Edward J. Boling, President
Brodie Baynes, Treasurer
Beauchamp E. Brogan, Secretary
Carol Bailey, Assistant Secretary
Committees

The President is a member ex-officio of all standing committees.

Executive: York (Chairman), Fisher (Vice Chairman), Bowyer, Laughlin.

Finance and Business: Laughlin (Chairman), Johnson (Vice Chairman), Elam.

Buildings and Grounds: Fisher (Chairman), Kinser (Vice Chairman), Long, Winchester, York.

Academic Affairs: Furrow (Chairman), Elam (Vice Chairman), Bowyer, Brown, Cox, Fisher, Goldstein, Student Trustee.

Agriculture: York (Chairman), Douglass (Vice Chairman), Fisher, Griggs, Laughlin, Porter, Shadow, Stewart.

Athletics: Elam (Chairman), Furrow (Vice Chairman), Bowyer, Johnson, York.

Development, Alumni Affairs, and Public Relations: Bowyer (Chairman), Goldstein (Vice Chairman), Elam, Evans, McReynolds, Stewart, York, Student Trustee.

Health Affairs: Stewart (Chairman), Bowyer (Vice Chairman), Evans, Furrow, Laughlin, Long, Winchester.

Student Affairs: Laughlin (Chairman), McReynolds (Vice Chairman), Cox, Fisher, Furrow, Johnson, Long, Student Trustee.

Public Service and Continuing Education: Evans, Kinser, Long, McReynolds, Stewart, Winchester.

Faculty and Staff Affairs: Brown, Goldstein, Kinser, Long.

THE UNIVERSITY OF TENNESSEE
ADMINISTRATION AND SERVICE

President, Edward J. Boling, B.S., M.S., ED.D

Executive Vice President and Vice President for Development, Joseph E. Johnson, A.B., A.M., ED.D

Vice President for Academic Affairs, John W. Prados, B.S., M.S., PH.D.

Vice President for Agriculture, W. W. Armistead, M.S., PH.D., D.V.M.

Vice President for Business and Finance, Emerson H. Fly, B.S., CPA

Vice President for Continuing Education, Charles H. Weaver, B.S., M.S., PH.D.

Vice President for Health Affairs and Chancellor of the Center for the Health Sciences, T. Albert Farmer, Jr., B.S., M.D.

Vice President for Public Service (Acting), Robert S. Hutchinson, B.S., M.B.A.

General Counsel, Beuchamp E. Brogan, B.S., J.D.

Executive Assistant to the President, Andrew J. Kozer, B.S., A.M., PH.D.

Treasurer, Brodie Baynes, B.S., CPA

Emeriti Administrators:
Emeritus President, Andrew David Holt, A.B., M.S., LL.D., LITT.D., SC.D., PH.D.
Emeritus Vice President for Business and Finance, W. Harold Read, B.S., M.B.A., CPA
Emeritus Vice President for Academic Affairs, Kenneth L. Knickerbocker, A.B., A.M., PH.D.
Emeritus Vice President for Academic Affairs, Herman E. Spivey, A.B., A.M., PH.D.
The University

The University of Tennessee is a multi-campus, multi-purpose system of higher education encompassing all Tennessee. It is the state's official State University and Federal Land-Grant Institution—frequently called "the capstone of the state's educational system." The institution is owned by the people of Tennessee. In addition to state funds and student fees, the University also receives support from private gifts, research grants and contracts, and federal appropriations. The central administrative staff consists of the president and seven vice presidents who have the responsibility of administering the affairs of the statewide educational organization. The primary campuses are under the direct supervision of chancellors. In carrying out its unique responsibilities, The University of Tennessee has a statewide mission beyond the scope of any other institution of higher learning in Tennessee. The University seeks to develop human and material resources of the state through three broad programs: instruction, research, and extension and public service.

Instruction

As the most comprehensive institution in the state's public education system, the University has the responsibility of providing the people of Tennessee with the educational opportunities they need to become intellectually prepared for responsible and successful citizenship. Students may specialize in a great number of professional and occupational fields, thus helping to fill the state's needs for trained personnel in medicine, business, law, agriculture, industry, and other vocations essential to the welfare and progress of the citizens of Tennessee.

In addition to fulfilling this traditional role, the University also offers a wide range of quality programs in continuing education which help contribute to the personal and professional growth of students of all ages.

Programs of Study

In student enrollments and the scope of its academic programs, The University of Tennessee ranks among the larger institutions of higher education in the United States. In the fall of 1979, a total of 50,097 students enrolled in the campuses of The University of Tennessee System. This total included 29,750 enrolled at Knoxville and Centers, 2,764 at the Center for Health Sciences (Memphis), 5,090 at Martin, 7,104 at Chattanooga, and 5,419 at Nashville. To serve the academic needs of all of these students, the University system offers 170 degree programs at the bachelor's level, 144 at the master's level, and 60 at the doctoral level. The degree programs offered by colleges and schools at the UT, Knoxville campus are described in this catalog. Degree programs offered by the Center for the Health Sciences (at Memphis) and at Martin and Chattanooga are described in special catalogs issued from those campuses.

The various colleges, departments, and administrative offices of the University hold membership in more than 60 regional and national education associations. The University as a whole is fully accredited by the Southern Association of Colleges and Schools. Individual colleges and departments are accredited by appropriate professional accrediting agencies.

Colleges and Schools

The University's colleges and schools offer programs at the primary campuses at Knoxville, Memphis, Martin and Chattanooga. The Knoxville campus also offers programs at Oak Ridge, Tullahoma, Nashville, Chattanooga, Memphis, and Kingsport. These colleges and schools and other academic units are as follows:

UT, KNOXVILLE

Graduate School

College of Agriculture
College of Architecture
College of Business Administration
College of Communications
Division of Continuing Education

College of Education

School of Health, Physical Education, and Recreation
College of Engineering
College of Home Economics
College of Law
College of Liberal Arts
Graduate School of Library and Information Science
College of Nursing
Graduate School of Planning
Graduate School of Social Work
College of Veterinary Medicine

At Oak Ridge

Oak Ridge Graduate School of Biomedical Sciences
Oak Ridge Evening School
Oak Ridge Resident Graduate Program
At Tullahoma
Space Institute
At Kingsport
Graduate Center
At Chattanooga
Graduate Engineering Center

UT CENTER FOR THE HEALTH SCIENCES

At Memphis
College of Basic Medical Sciences
College of Community and Allied Health Professions
College of Dentistry
College of Medicine
College of Nursing
College of Pharmacy
Graduate School—Medical Sciences
Other academic units associated with the Center for the Health Sciences

At Knoxville
UT Medical Research Center and Hospital
Clinical Education Center
At MARTIN
School of Agriculture
School of Business Administration
School of Education
Department of Engineering and Engineering-Technology
School of Home Economics
School of Liberal Arts
Department of Military Science
Department of Nursing
Division of Extended Services
Academic Campuses

The University's research is strengthened by a number of special organizations, within the colleges and schools, which sponsor and coordinate studies and experimentation in broad areas of investigation. These are:

- Agricultural Experiment Station
- Engineering Experiment Station
- Bureau of Educational Research and Service
- Bureau of Public Administration
- Institute of Agriculture
- Institute of Food Science
- Institute of4-H Education
- Institute of Agricultural Sciences
- Institute of Marine and Health Sciences
- Institute of Natural Resources
- Institute of Social Science
- Institute of Technology
- Institute of Urban and Community Research
- Institute of Wildlife Research

Research Organizations

The University's research is conducted to find solutions to problems confronting the people of Tennessee, and to discover new knowledge leading to greater development of human and natural resources. Funding of sponsored research at the University totaled more than $22.3 million in fiscal year 1979. This growth in the dollar value of grants and contracts parallels growth in the quality and diversity of research programs of importance to the Volunteer State and the entire nation. Increased crop yields, improved industrial processes, more effective medical services, and greater citizen understanding of our environment and our society are but a few of the benefits resulting from the practical applications of University research.

Extension and Public Service

The University’s teaching programs and research findings extend beyond the limits of campuses to reach people in every community and county in Tennessee. Extension and public service programs are part of the work of every University department, and the institution has these large divisions created specifically to promote and coordinate statewide activities to meet the need that can be served by its educational resources. These special divisions are:

- Agricultural Extension Service
- Engineering Experiment Station
- Bureau of Educational Research and Service
- Bureau of Public Administration
- Institute of Agriculture
- Institute of Food Science
- Institute of4-H Education
- Institute of Agricultural Sciences
- Institute of Marine and Health Sciences
- Institute of Social Science
- Institute of Technology
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- Bureau of Educational Research and Service
- Bureau of Public Administration
- Institute of Agriculture
- Institute of Food Science
- Institute of4-H Education
- Institute of Agricultural Sciences
- Institute of Marine and Health Sciences
- Institute of Social Science
- Institute of Technology
- Institute of Urban and Community Research
- Institute of Wildlife Research

Research Organizations

The University's research is conducted to find solutions to problems confronting the people of Tennessee, and to discover new knowledge leading to greater development of human and natural resources. Funding of sponsored research at the University totaled more than $22.3 million in fiscal year 1979. This growth in the dollar value of grants and contracts parallels growth in the quality and diversity of research programs of importance to the Volunteer State and the entire nation. Increased crop yields, improved industrial processes, more effective medical services, and greater citizen understanding of our environment and our society are but a few of the benefits resulting from the practical applications of University research.
Physical Facilities of the University

The University of Tennessee's physical plant—its land, buildings, and equipment—has a book value in excess of $460,653,745. A total of 168 major buildings, approximately 39,498 acres of land, more than $71,435,000 worth of equipment, about $12,785,000 worth of books, and hundreds of small buildings and miscellaneous items constitute the physical plant.

The Knoxville campus is valued at approximately $186,056,820, and the facilities within the University are used by those units of the University.

The Knoxville campus is the physical plant of the University for students and staff, and it is used by all units of the University.

Academic Policies and Costs

Any and all course offerings, academic requirements, and costs for the University of Tennessee, Knoxville, are subject to change and/or revocation without notice. See page 2 for sources of current information.

Admission to The University of Tennessee, Knoxville

Any and all information contained in this publication are subject to change and/or revocation without notice. See page 2 for sources of current information.

Director of Admissions
The University of Tennessee
Knoxville, Tennessee 37916
(615) 974-2184

For readmission of former undergraduate students:
Director of Readmissions
The University of Tennessee
Knoxville, Tennessee 37916

For admission to the College of Law (see College of Law Bulletin for information on admission to the College of Law):
Dean, College of Law
The University of Tennessee
Knoxville, Tennessee 37916

For admission to the Graduate School (see Graduate Catalog for information on admission to the Graduate School):
Graduate School
The University of Tennessee
Knoxville, Tennessee 37916

The University of Tennessee
Knoxville, Tennessee 37916
(615) 974-3251
graduation.

Admissions Requirements

Applications for undergraduate admission and all supporting credentials must be received by the Director of Admissions no later than August 1 for fall quarter admission, and no later than three weeks before the start of classes for admission to any other quarter, except as noted below.

Applications for the College of Veterinary Medicine must be received by the Director of Admissions by January 15 for admission into the fall quarter. Applications for the School of Architecture must be received no later than March 1 for admission to the summer and fall quarters. Selection will be made by April 1. November 1 is the deadline for applications for the spring quarter; enrollment is closed for the winter quarter. Applications for the College of Nursing must be received by March 1. Selection will be made by April 1. November 1 is the deadline for applications for the spring quarter; enrollment is closed for the winter quarter. An applicant who is not accepted may be considered for admission to a later quarter.

Former students who have been dropped from the University for academic deficiency or disciplinary reasons must apply for readmission to the Director of Readmissions no later than six weeks before the start of classes of the quarter the student wishes to enter.

Undergraduate Admissions Requirements

Applicants for undergraduate admissions to the University must meet the following: (1) general requirements as indicated below, (2) requirements for the applicant’s specific admissions category as shown in Table I, and (3) requirements of the academic college or school the applicant seeks to enter as shown in Table II.

ACADEMIC CREDENTIALS

Freshman Applicants—Transcript of high school work and ACT scores must be sent directly from the high school to the University. Information concerning ACT may be obtained from the University's Admissions Office.

Transfer Applicants—Transfer applicants must have a minimum cumulative grade point average of 2.0 on a 4.0 scale and be in good standing at their current institution.

Graduates of Tennessee high schools must present one unit of American history on the high school curriculum. A four-year secondary school curriculum should be regarded as unclassified students. They will be classified according to the following:

- American history
- Foreign language
- Mathematics
- Science
- Social science
- Electives

A unit represents nine months of study in a subject in a secondary school, except in individual programs.

MAXIMUM UNITS

- Biology 1
- Chemistry 1
- English 4
- French 4
- German 4
- History 4
- Mathematics 3
- Physics 2
- Social studies 3
- Total 16

American history in order to receive a bachelor's degree must have completed one unit of American history in order to receive a bachelor's degree in the Associate of Arts or Associate of Science degree programs.
assigned special advisers in the college they plan to enter. Students so admitted should remove entrance deficiencies as soon as possible, and in no event later than one year after enrollment. Students who have not removed entrance deficiencies by the start of their third year in college will not be allowed to continue at UTK.

Special Requirements for International Students

In making application for admission to undergraduate study, each international student will be required to provide the following:

1. A completed application for undergraduate admission;
2. Authentication of all academic records. These records should describe the courses of instruction in terms of years spent in school and types of subject matter covered, with grades earned in each subject;
3. Evidence of English proficiency according to the following requirements for students whose first language is not English:
   a. Any applicant to the undergraduate program whose first language is not English—with the exception of some transfers from certain colleges or universities in the United States (see below)—must present a TOEFL score of at least 525 (earned within two years prior to application) before being admitted; final consideration cannot be granted until test results are received by the Director of Admissions. Then The University of Tennessee, Knoxville, is available to any student whose first language is not English.
   b. An undergraduate student whose first language is not English is exempted from taking the TOEFL if he or she presents evidence of English proficiency from a college or university in the United States which is accredited by a regional association.
   c. A United States citizen or permanent resident whose first language is not English but who has graduated from a high school in the United States, or from its equivalent secondary school system abroad, and whose first language is English, may be admitted under the conditions that apply to United States citizens whose first language is English. Any other United States citizen or permanent resident whose first language is not English must conform to the regulations stated in (a) above.

A fee of $10, in addition to regular tuition and fees, will be charged each applicant who takes The University of Tennessee English Proficiency Test. This one-time fee, which grants no credit, is to be distinguished from the one-time fee for proficiency testing which does grant credit.

Advanced Standing by Examination

Students at The University of Tennessee, Knoxville, may accelerate their programs through credit by examination. To receive such credit, a student must be regularly enrolled at the Knoxville campus.

ADVANCED PLACEMENT EXAMINATIONS

Students who satisfy the requirements of any advanced placement examination are eligible to receive credit in courses offered by the College of Liberal Arts on the basis of such tests. In each case the final decision as to whether or not credit is to be given on this basis rests with the appropriate department, as does the determination of the number of credit hours and the specific courses for which such examinations are to be taken as evidence of acceptable proficiency. Participating departments are Botany, Chemistry, Classical Languages, English, German, History, Mathematics, Physics, Romance Languages, and Zoology.

PROFICIENCY EXAMINATIONS

Proficiency examinations may be granted for any academic course offered for undergraduate credit and students may present the privilege of taking the examination on recommendation of the head of the department and approval of the Registrar. See additional discussion on page 27.

Faculty Advising

Once students are admitted, the University accepts certain responsibilities for their guidance and placement in order that they may realize the benefits of attending The University work.

All registration each student is assigned to a member of the faculty, who acts as the student's advisor. The duties of the advisor are to assist the student in selecting subjects to ensure a well-rounded education, and to advise the student concerning the University's requirements. The responsibility for the selection of courses rests, in the final analysis, upon the student, and it is not the advisor's responsibility to enforce the approval of a course which the student elects. Similarly, it is the student's responsibility to meet the requirements of their courses of study in their proper sequence, so that they may not in the senior year find themselves ineligible for graduation. Each quarter approximately the list of courses available in any subject is published alphabetically; it is required to have an advisor to register in some subject within a four-week period early in the quarter. These students will be allowed to preregister for the ensuing quarter only upon presenting evidence of such a conference.

All beginning students, and former students whose grade point average is below 2.00, must obtain advisor approval of their course selections at registration.

The Colleges of Business Administration, Education, and Liberal Arts have established advising centers where students may go at any time for advice on academic matters. The student desiring help with individual or personal problems, Facilities are also available for improving reading skills and study habits. Students may go to the Center themselves or they may be referred by members of the faculty.

Special State and Federal Laws for Educational Purposes

AMERICAN HISTORY

Effective July 1, 1978 and afterwards, all students receiving a bachelor's degree must have completed one unit of American history on the high school level or nine quarter hours of collegiate American history in order to receive the degree that is required by the General Assembly of the State of Tennessee (Tennessee Code Annotated 549-2925).

EEO TITLE IX/SECTION 504 STATEMENT

The University of Tennessee, Knoxville, does not discriminate on the basis of race, sex, color, religion, national origin, age, handicap, or veteran status in provision of educational opportunities or employment opportunities and benefits. UTK does not discriminate on the basis of handicap, or veteran status in provision of educational opportunities or employment opportunities and benefits. UTK does not discriminate on the basis of gender identity or sexual orientation.

UTK does not discriminate on the basis of race, sex, color, religion, national origin, age, handicap, or veteran status in provision of educational opportunities or employment opportunities and benefits. UTK does not discriminate on the basis of gender identity or sexual orientation.
number for internal identification of each student's record. The University began using the social security number as the student identification number prior to January 1, 1975; therefore, the federal law allows continued use of this number. However, if a student does not desire the social security number to be used, notification to the University must be made at the time of application for admission. A student identification number will be assigned instead. For prompt and accurate retrieval of records and for conducting business about their own records, students and alumni must give their student identification number. Student identification numbers, whether a social security number or an assigned number, are used administratively within the University only and are not given to third parties without expressed consent of the student concerned.

STATE BOARD OF EDUCATION
Effective November 1978, the Tennessee Board of Education requires that all students preparing for a teaching career in Tennessee must pass a standardized test of basic skills (mathematics, reading, and language) prior to admission to teacher education programs. The University of Tennessee will administer such tests each quarter to allow students planning to enter teacher education programs to fulfill this certification requirement of the State Board of Education.

General Academic Regulations
Credit Hours, Grades, and Grade Point Average

The basic unit of credit at The University of Tennessee, Knoxville, is the quarter hour. This normally represents one hour of lecture, recitation, or two hours of laboratory work per week. Each course at the University carries a number of quarter hours of credit specified in the course description. At the completion of each course, a student will be assigned a grade reflecting the student's performance in the course. Permissible grades normally carry with them a certain number of quality points per quarter hour of credit in the course. A student's grade point average is obtained by dividing the total number of quality points the student has accumulated by the total number of quarter hours the student has attempted, excluding those hours for which the student has been awarded credit in the Graduate Office only and are not given to third parties without expressed consent of the student concerned.

TEMPORARY GRADES
A student receiving a grade of 'P' should arrange with the teacher to take whatever action is needed to remove the 'P' from the student's record as soon as possible, and in any event, within two years after the course was attempted. A student need not be enrolled at the University to remove a temporary grade. 

When a course is repeated the last grade only is counted in computing the grade point average. All grades are entered on the permanent record. A student may not repeat a course more than twice in order to obtain a better grade. For any student entering higher education in September 1979 or thereafter, and majoring in the College of Engineering, all grades are counted for computation of grade point average for undergraduate students, except in 12 hours of repeated courses for which the last grade will count. Graduate students and undergraduates taking courses for graduate credit are graded as follows:

A - (4 quality points per quarter hour); indicates superior work.
B+ - (3.5 quality points per quarter hour); indicates above satisfactory work.
B - (3 quality points per quarter hour); indicates satisfactory work.
C+ - (2.5 quality points per quarter hour); indicates performance less than expected.
C - (2 quality points per quarter hour); indicates work of borderline quality. This grade represents work below the standard expected of graduate students.
D - (1 quality point per quarter hour); indicates work of deficient quality. This grade is given only in cases where S/NC grading system is used and carries no credit grade.
F - (no quality point value); indicates grade of failure. An F will not be counted in the cumulative average until a grade is assigned. No student may graduate with an F on the record.

GRADE POINT AVERAGE

GRADUATE STUDENT REGULATIONS
Graduate students and undergraduates majoring in the College of Engineering, education in September 1979 or thereafter, and majoring in the College of Engineering, all grades are counted for computation of grade point average for undergraduate students, except in 12 hours of repeated courses for which the last grade will count. Graduate students and undergraduates taking courses for graduate credit are graded as follows:

A - (4 quality points per quarter hour); indicates superior work.
B+ - (3.5 quality points per quarter hour); indicates above satisfactory work.
B - (3 quality points per quarter hour); indicates satisfactory work.
C+ - (2.5 quality points per quarter hour); indicates performance less than expected.
C - (2 quality points per quarter hour); indicates work of borderline quality. This grade represents work below the standard expected of graduate students.
D - (1 quality point per quarter hour); indicates work of deficient quality. This grade is given only in cases where S/NC grading system is used and carries no credit grade.
F - (no quality point value); indicates grade of failure. An F will not be counted in the cumulative average until a grade is assigned. No student may graduate with an F on the record.

S/N grades take on the value of the S when the course is passed and on the value of the N when the course is not passed. S/N grades are given in courses where S/NC grading is required. The number of S/N courses to be allowed in a student's program of study shall be limited to clearly unenrolled credit work hours required (excluding thesis or dissertation work) during the academic year in which the student would be 9 hours or 12 hours in a
<table>
<thead>
<tr>
<th>Admissions Category</th>
<th>Admissions Requirements⁴,⁵,⁶</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN In-State</strong></td>
<td>Graduation from an approved high school; completion of all high school units required for the program student seeks to enter, as specified in Table II; applicants having neither a high school grade point average of at least 2.25 nor an ACT composite score of at least 17 will be assigned a special adviser. ACT score report is required for counseling and advisement.</td>
</tr>
<tr>
<td><strong>FRESHMAN Out-of-State</strong></td>
<td>Same as for in-state freshman except that applicants from states in the region served by the Southern Association of Colleges and Schools, and from Arkansas, must have minimum high school grade point average at least 2.50 and ACT composite score at least 18. Applicants from other states must have high school grade point average at least 2.25 and ACT composite score at least 20.</td>
</tr>
<tr>
<td><strong>FRESHMAN—GED</strong></td>
<td>Applicant’s high school class must have graduated; must be at least 18 years old; average standard score of at least 50 on the high school level General Education Development Tests; completion of high school units required for the program student seeks to enter, as specified in Table II.</td>
</tr>
<tr>
<td><strong>FRESHMAN—EARLY ADMISSION</strong></td>
<td>Completion of junior year in high school; completion of high school units required for the program student seeks to enter; high school grade point average at least 3.50 and ACT scores at or above the 95th percentile for University of Tennessee freshmen; nomination by the student’s high school principal and consent of parents; review and approval by the Director of Admissions.</td>
</tr>
<tr>
<td><strong>TRANSFER In-State</strong></td>
<td>At least 12 hours of college credit work at an accredited institution of higher learning; honorable dismissal from all such institutions attended; grade point average on all college work attempted; at least the minimum that The University of Tennessee requires of its own students for readmission (see Undergraduate Retention Standards).⁷</td>
</tr>
<tr>
<td><strong>TRANSFER Out-of-State</strong></td>
<td>Same as for in-state transfer applicants except that grade point average on all college work must be at least 2.00 to be eligible for consideration. Eligible students will be screened by the Committee on Admissions for final decision.⁸</td>
</tr>
<tr>
<td><strong>SPECIAL STUDENT</strong></td>
<td>Applicant’s high school class must have graduated; may not be candidate for bachelor’s degree; must show satisfactory evidence of preparation for courses attempted; special students may accumulate no more than 90 hours of college credit toward a degree (including any previous college work); To enroll in a degree program, a special student must meet transfer admissions requirements. Former University of Tennessee students may not be admitted as special students unless they have already earned a bachelor’s degree.</td>
</tr>
</tbody>
</table>

⁴Admissions point averages are expressed on a 4.00 scale.
⁵Applicants refused admission may appeal to the Committee on Admissions, Office of Admissions, 306 Student Services Building.
⁶See Special Requirements for International Students.
⁷Transfer applicants for the School of Architecture must have a college grade point average of 2.30. Transfer applicants for the College of Communications must have an average of at least 2.00. Transfer applicants who have attempted at least 36 quarter hours of college work must have grade point averages of at least 2.00 for admission to the College of Education, the College of Business Administration, or the College of Home Economics.
<table>
<thead>
<tr>
<th>College/Degree Sought</th>
<th>English/Spanish</th>
<th>French/Italian</th>
<th>Greek/Latin</th>
<th>Spanish</th>
<th>French</th>
<th>Greek</th>
<th>Physics/Chemistry</th>
<th>History/Social Science</th>
<th>Minimum Units Required</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| COLLEGE OF AGRICULTURE  
Bachelor of Science in Agriculture  
Bachelor of Science in Agricultural Engineering | 3 | 1 | 1 | 11 | 16 |  |  |  |  | A second unit of algebra may be offered in lieu of geometry. |
| SCHOOL OF ARCHITECTURE  
Bachelor of Architecture | 3 | 2 | .5 | 4.5 | 16 |  |  |  |  | These units allow admission to first-year pre-architectural program. Applications for the School of Architecture must be received no later than March 1 for admission to the summer and fall quarters. November 1 is the deadline for applications for the spring quarter. |
| COLLEGE OF BUSINESS ADMINISTRATION  
Bachelor of Science in Business Administration | 3 | 2 | 1 | 12 | 16 |  |  |  |  | A unit of advanced mathematics or trigonometry may be offered in lieu of the second unit of algebra or the unit of geometry. |
| COLLEGE OF COMMUNICATIONS  
Bachelor of Science in Communications | 3 | 1 | 1 | 12 | 16 |  |  |  |  | A second unit of algebra may be offered in lieu of geometry. |
| COLLEGE OF EDUCATION  
Bachelor of Science in Education |  |  |  |  |  |  |  |  |  |  |
| COLLEGE OF ENGINEERING  
Bachelor of Science in Engineering | 3 | 2 | .5 | 12 | 16 |  |  |  |  | Three units of science, including physics, are recommended. |
| COLLEGE OF HOME ECONOMICS  
Bachelor of Science in Home Economics |  |  |  |  |  |  |  |  |  |  |
| COLLEGE OF LIBERAL ARTS  
Bachelor of Arts-general and major fields  
Bachelor of Arts-baccalaureate  
Bachelor of Fine Arts  
Bachelor of Music  
Pre-medical technology, and pre-physical therapy programs | 3 | 2 | 1 | 13 | 16 |  |  |  |  | A second unit of algebra may be offered in lieu of geometry. See College of Liberal Arts section, page 173, for discussion of language requirements. |
| Bachelor of Science in Chemistry  
Two-year pre-pharmacy program  
Two-year pre-nursing program  
COLLEGE OF NURSING (Knoxville)  
Bachelor of Science in Nursing | 3 | 2 | 1.5 | 13 | 16 |  |  |  |  | A second unit of algebra may be offered in lieu of geometry. A unit of history or social science is required. |
|  | 3 | 1 | 1 | 13 | 16 |  |  |  |  | A second unit of algebra may be offered in lieu of geometry. One unit of chemistry is recommended. |
**MAJORS, MINORS, CONCENTRATIONS AND TRACKS**

<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION/OPTION/TRACK/ETC. WITHIN THE MAJOR</th>
<th>DEGREE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Institute of Agriculture</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Agricultural Biology</td>
<td>Agricultural Business</td>
<td>Bachelor of Science in Agriculture</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Agricultural Economics and Rural Sociology</td>
<td>Agricultural Economics and Rural Sociology</td>
<td>Bachelor of Science in Agriculture</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Agricultural Education (Intercollegiate program with the College of Education)</td>
<td>Agricultural Education</td>
<td>Bachelor of Science in Agriculture</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Agricultural Engineering</td>
<td>Agricultural Engineering</td>
<td>Bachelor of Science in Agricultural Engineering</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Agricultural Mechanization</td>
<td>a. Business and Industry Option</td>
<td>Bachelor of Science in Agricultural Engineering</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Agricultural Mechanization</td>
<td>b. Production and Processing Option</td>
<td>Bachelor of Science in Agricultural Engineering</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Animal Science</td>
<td>Animal Science</td>
<td>Bachelor of Science in Agricultural Engineering</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Animal Science</td>
<td>1. Animal Science Option</td>
<td>Bachelor of Science in Agricultural Engineering</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Animal Science</td>
<td>2. Pre-Veterinary Medicine Option</td>
<td>Bachelor of Science in Agricultural Engineering</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Animal Science</td>
<td>3. Animal Science Curriculum with a Pre-Veterinary Option (1–3)</td>
<td>Bachelor of Science in Agricultural Engineering</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Forestry, Wildlife, and Fisheries</td>
<td>Forestry</td>
<td>Bachelor of Science in Forestry</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Forestry, Wildlife, and Fisheries</td>
<td>1. Forest Resource Management Option</td>
<td>Bachelor of Science in Forestry</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Forestry, Wildlife, and Fisheries</td>
<td>2. Forest Recreation Option</td>
<td>Bachelor of Science in Forestry</td>
</tr>
<tr>
<td>College of Agriculture</td>
<td>Ornamental Horticulture and Landscape Design</td>
<td>Ornamental Horticulture and Landscape Design</td>
<td>Bachelor of Science in Agriculture</td>
</tr>
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<td>College of Agriculture</td>
<td>Plant and Soil Science</td>
<td>Plant and Soil Science</td>
<td>Bachelor of Science in Agriculture</td>
</tr>
<tr>
<td><strong>Institute of Agriculture</strong></td>
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<tr>
<td>College of Veterinary Medicine</td>
<td>Veterinary Medicine</td>
<td>Veterinary Medicine</td>
<td>Doctor of Veterinary Medicine</td>
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<tr>
<td>School of Architecture</td>
<td>Architecture</td>
<td>Design Concentration</td>
<td>Bachelor of Architecture</td>
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<tr>
<td>School of Architecture</td>
<td>Architecture</td>
<td>a. Architectural Design Track</td>
<td>Bachelor of Architecture</td>
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<tr>
<td>School of Architecture</td>
<td>Architecture</td>
<td>History/Humanities Concentration</td>
<td>Bachelor of Architecture</td>
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<td>School of Architecture</td>
<td>Architecture</td>
<td>b. Architecture History Track</td>
<td>Bachelor of Architecture</td>
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<tr>
<td>School of Architecture</td>
<td>Architecture</td>
<td>c. Restoration/Preservation Track</td>
<td>Bachelor of Architecture</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>Business Administration (Interdepartmental Unit)</td>
<td>General Business</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>Business Administration (Interdepartmental Unit)</td>
<td>General Business Management Science Option</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>Business Administration (Interdepartmental Unit)</td>
<td>Public Administration</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
</tbody>
</table>

*Minor available for students in other colleges.*
<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION/OPTION/TRACK ETC. WITHIN THE MAJOR</th>
<th>DEGREE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>Banking</td>
<td></td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Finance</td>
<td>Finance</td>
<td>Business Finance and Financial Management</td>
<td>Bachelor of Science in Business Administration</td>
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<td>Finance Management Science Option</td>
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<td>Investments and Security Analysts</td>
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<td>Monetary Theory and Policy</td>
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<td>Public Finance and Fiscal Policy</td>
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</tr>
<tr>
<td>Insurance</td>
<td>Real Estate and Urban Development</td>
<td>Real Estate and Urban Development Management Science Option</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Management</td>
<td>Management</td>
<td>Operations Management Operations Management Management Science Option</td>
<td>Bachelor of Science in Business Administration</td>
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<td></td>
<td>General Management General Management General Management Management Science Option</td>
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<tr>
<td>Management Science Programs</td>
<td>Marketing</td>
<td>Marketing Management Science Option</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Marketing and Transportation</td>
<td>Transport and Logistics</td>
<td>Statistics Management Science Option</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Office Administration</td>
<td>Business Education (intercollegiate with the College of Education)</td>
<td>Shorthand Distributive Education Bookkeeping and Business Law Bookkeeping and Data Processing</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td></td>
<td>Office Administration</td>
<td>Accounting Option Banking/Finance Option Bilingual Option Computer Science Option</td>
<td>Bachelor of Science in Business Administration</td>
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<td></td>
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<td>Interactive Option Logistics Option Management Option Marketing Option Public Administration Public Administration Public Administration</td>
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<td>Real Estate Option Securities Option Securities Option Statistics Option</td>
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<td>Transportation Option</td>
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<tr>
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*Certificate available for two-year secretarial program.*
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*Minor available.  
*Minor available: Driver and Traffic Safety Education.  
*Minor available: Coaching.
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<th>DEGREE</th>
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| Interior Design and Housing | Interior Design and Housing | 1. General Professional  
2. Professional Interior Design | Bachelor of Science in Home Economics |
| Home Economics Education (Intercollegiate) | Vocational Home Economics Education | Consumer and homemaking Education  
1. Food Services Endowment  
2. Child Care and Guidance Endowment  
3. Clothing Management, Production, and Services Endowment | Bachelor of Science in Home Economics |
| Textiles and Clothing | Textiles and Clothing | 1. Merchandising  
2. Textile Technology  
3. Textiles and Clothing | Bachelor of Science in Home Economics |
| College of Law | College of Law | Law | Dual J.D.—M.B.A. Degree Program  
| College of Liberal Arts** | Anthropology | Anthropology* | Cultural Anthropology  
Physical Anthropology  
Archaeology  
| Art | Art | Art  
Art History  
Studio Art | Ceramics  
Communication Design  
Drawing  
Fiber-Fabrics  
Inter-Area  
Painting  
Printmaking  
Sculpture  
Watercolor | Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts |
| Biology | Biology* | 1. Concentration in Cell Biology  
2. Concentration in Organizational and Systems Biology | Bachelor of Arts  
Bachelor of Arts |
| Chemistry | Chemistry* | Concentration A  
Concentration B | Bachelor of Arts  
Bachelor of Arts |
| Computer Science | Computer Science* | Cultural Studies  
American Studies  
Asian Studies  
African and Afro-American Studies  
Comparative Literature  
Ancient Mediterranean Civilizations  
Latin American Studies  
Languages  
Medieval Studies  
Russian and East European Studies  
a. Track I  
b. Track II  
c. Urban Studies  
| Economics | Economics* | American Studies  
Asian Studies  
African and Afro-American Studies  
Comparative Literature  
Ancient Mediterranean Civilizations  
Latin American Studies  
Languages  
Medieval Studies  
Russian and East European Studies  
| English | English* | 1. Concentration in Literature  
2. Concentration in Creative Writing  
3. Concentration in English Language  
4. Individualized Program  
5. Honors Program | Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts  
Bachelor of Arts |
| Geography | Geography* | 1. Cultural Geography  
2. Economic Geography  
3. Environmental Geography  
4. Regional Geography | Bachelor of Arts |
| Geology and Geographical Sciences | Geology* | Geology  
Geography  
Ecology  
| Historical Sciences | History | History  
History  
History  
| Honors Program | Human Services | Human Services* | Bachelor of Arts |

*Minor available.
**Bachelor minor available to students in Bachelor of Arts degree.
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<td>College of Nursing</td>
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GRADUATING SENIOR PRIVILEGES
A senior who fails one subject during the quarter of intended graduation has the privilege of standing an examination in that subject at the beginning of or during the next quarter, and, if successful, receiving the degree at the next commencement.
A senior who receives the grade of I in any subject will, on request to the instructor, be given the opportunity to remove the deficiency before the close of the quarter, but not later than the last day before commencement; providing that successfully passing these courses will make the senior eligible for graduation.

ENGLISH PROFICIENCY
Students are expected to maintain a passing grade in English throughout their college programs. Any student who has not completed the English requirement while in residence as described in the catalog or by regulation is subject to the deficiency and it shall continue until the student has been notified of the deficiency and they have begun work in the subject. Remedial work in the Writing Laboratory is required to help new students become acquainted with opportunities and services at the University, and to provide information needed for registration.

FIRST CLASS MEETING
Students who fail to attend the first class meeting without prior arrangement with the department may be dropped from the course to make their spaces available to other students. Students have the responsibility to assure that they have been dropped, otherwise they are liable for a grade of F in the course.

MAXIMUM HOURS PER QUARTER
Undergraduate students may enroll for a maximum of 19 credit hours each quarter unless a lower maximum is specified by the college or school in which the student is enrolled. Enrollment in more than 19 hours requires approval of the dean of the college or school. Graduate students may enroll for a maximum of 24 credit hours each quarter. Enrollment in more than 24 credit hours must be approved by the Vice Chancellor for Graduate Studies and Research or the Dean for Graduate Studies. Law and veterinary medicine students may enroll for the maximum number of credit hours each quarter as specified by the respective college.

Changes in Registration
Mid-Term is an announced date midway between the beginning and ending days of classes each quarter or semester (35 calendar days after the beginning of classes, except for summer sessions). Prior to mid-term undergraduate students may withdraw from classes as specified below. A course may be added without departmental permission through the seventh calendar day of the quarter of enrollment. After the seventh day, permission must be obtained from the department head or course instructor.

All official withdrawals from the University are made through the Office of Special Services. It is important that all students who leave the University prior to the completion of a quarter report their withdrawal to this office.

Withdrawing from University before Mid-Term (35 calendar days). If an undergraduate student officially withdraws from the University before mid-term (from summer quarter drop deadlines, see summer quarter timetable), the grade of W will be recorded in all courses in which the student is currently enrolled. In cases of withdrawal prior to mid-term, the Office of Special Services will verify the date of withdrawal to the Registrar. In such cases, the instructor(s) will verify the grade(s) to the Registrar. If, upon verification, the Registrar determines that the grade in each course is incorrect, the student must correct the grade.

Students who wish to withdraw from the University after Mid-Term (35 calendar days) are made through the Office of Special Services. If a student has not completed the requirements for their degree at the time of withdrawal, the student may be required to re-enroll in the University, after 35 calendar days of the start of the quarter, to receive a grade of W. After the sixth day, late drop regulations apply.

Graduate students should consult the Graduate Catalog for regulations concerning the dropping of courses.

Dropping Courses or Withdrawing from the University after Mid-Term (35 calendar days). An undergraduate or graduate student wishing to withdraw from the University after Mid-Term must notify the Registrar. Prior to mid-term neither the instructor's nor the advisor's permission is required. Students are permitted to drop a course through the fifth calendar day counted from the beginning of classes without any notation of the academic record. Any student enrolled in undergraduate courses in the College of Engineering must drop courses by the sixteenth day of the quarter from the beginning of classes (the day preceding mid-term) or receive a grade of W. After the sixth day, late drop regulations apply.

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Graduate students should consult the Graduate Catalog for regulations concerning the dropping of courses.
enter classes as auditors, subject to the Auditors entering in any college. The total may be 12 hours.)

the fields of science offering four-hour credit that may be earned in these courses or physical education.

Teacher Certification
Teacher certification is a responsibility of the College of Education section of this catalog. There are additional restrictions in individual programs, such as nursing and architecture and the appropriate section of this catalog should be consulted.

Undergraduate Retention Standards
To be eligible to continue at The University of Tennessee, Knoxville, an undergraduate student must maintain a cumulative grade point average at or above the minimum acceptable level shown in the chart below. These are areas of Tennessee, Knoxville, an undergraduate student is classified according to the chart above, on the basis of quarter hours passed.

To be considered as a full-time undergraduate student in any quarter, a student must be enrolled in 12 quarter hours, including the full summer quarter. Six hours for each separate term of the summer session are required for full-time classification. Audit hours are not considered in the computation.

Honors Courses
Courses specifically designated as honors courses will be designated "Hon." Individuals selected on the basis of ACT scores and previous academic performance may be enrolled. There is no limit on the number of credits that may be earned in these courses except in the senior readings courses not requiring regular class attendance; these senior readings courses may total no more than nine credit hours toward graduation. In the fields of science offering four-hour courses the total may be 12 hours.

There is also a non-departmental honors course open to a limited number of freshmen entering any college.

A student who has been previously dropped and readmitted will be placed on academic probation. Failure to meet the University standards of retention during the probationary quarter or subsequent quarters prior to attaining good standing, will result in the student's being dropped from the University.

A student in good academic standing who has withdrawn from school or has been absent for a quarter other than the summer quarter must make application for readmission.

Readmission
A student who has been dropped academically must make application for readmission. Readmission is not automatic. Application must be made at least six weeks before registration. The Committee on Readmissions may approve or refuse the application for readmission. Students are strongly encouraged to appear in person before the Committee on Readmissions.

Former students who have been enrolled at accredited colleges or universities must apply for readmission. An official transcript from other institutions attended and an acceptable combined grade point average are required for readmission.

General Policies
A. Any student who attains a quarterly average of 2.00 may continue at The University. The cumulative average does not meet the minimum acceptable level.

B. Summer quarter is considered a regular academic quarter in satisfying the requirement of being in academic attendance due to academic deficiency.

C. Students who are on academic probation are not eligible to register for readmission. Satisfactory credit hours are included in hours attempted but excluded in calculating the minimum cumulative grade point average for requirements for retention and graduation.

D. Students who transfer to other accredited colleges or universities must submit official transcripts and have an acceptable combined grade point average before being readmitted to The University.

E. Correspondence courses are open to students regardless of admission or readmission status.

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To be eligible to continue at The University of Tennessee, Knoxville, an undergraduate student must maintain a cumulative grade point average at or above the minimum acceptable level shown in the chart below. There are additional restrictions in individual programs, such as nursing and architecture and the appropriate section of this catalog should be consulted.

Graduate students must maintain a cumulative grade point average at or above the minimum acceptable level shown in the chart below. An acceptable level is defined in the following section, as defined in the following section, unless approval is granted by the dean of the student's college. This rule applies to transfers, as well as those who have previously attended the University.

A cumulative grade point average of at least 2.00 is required to begin upper-division work.

Classification
Undergraduate, law, and veterinary medicine students are classified according to the chart above, on the basis of quarter hours passed.

To be considered as a full-time undergraduate student in any quarter, a student must be enrolled in 12 quarter hours, including the full summer quarter. Six hours for each separate term of the summer session are required for full-time classification. Audit hours are not considered in the computation.

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B. Summer quarter is considered a regular academic quarter in satisfying the requirement of being in academic attendance due to academic deficiency.

C. Students who are on academic probation are not eligible to register for readmission. Satisfactory credit hours are included in hours attempted but excluded in calculating the minimum cumulative grade point average for requirements for retention and graduation.

D. Students who transfer to other accredited colleges or universities must submit official transcripts and have an acceptable combined grade point average before being readmitted to The University.

E. Correspondence courses are open to students regardless of admission or readmission status.

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A student in good academic standing who has withdrawn from school or has been absent for a quarter other than the summer quarter must make application for readmission.
Correspondence Work

A student may offer by correspondence as much as one-fourth of the total hours required for the degree sought and have this work count toward the degree. Credit for undergraduate courses in correspondence in the major subjects shall be limited to one-fourth of the total credit hours required. Correspondence credits are not recognized by the College of Law on any basis except by prior permission—by the Center for the Health Sciences. All courses taken by correspondence for which degree credit is given must meet degree program requirements of the Knoxville campus. Degree credit will not be granted for correspondence courses taken at an institution other than The University of Tennessee by a UTK student if an equivalent correspondence course is available from The University of Tennessee Correspondence program.

General Requirements for a Bachelor's Degree

To receive a bachelor's degree from The University of Tennessee, Knoxville, a student must complete all of the requirements listed below. It should be noted that some of the colleges and schools within the University have special requirements above and beyond those stated here, and students are advised to consult the appropriate section of this catalog for any further degree requirements. Each program presented by the candidate for the bachelor's degree is reviewed and approved by the Dean of Admissions and Records. If the candidate for the bachelor's degree has met the degree requirements by the Office of the Dean of Admissions and Records:

(1) Complete satisfactorily all requirements for courses which the student is enrolled, as described in the program of study of the college, school or college offering the curriculum. Curriculum requirements change frequently, and students should note the caution on the second page of this catalog. A student is required to satisfy requirements for a bachelor's degree under any curriculum in effect within 10 years of the date of graduation. This does not obligate the University to accept studies of a student who attended a school other than the University of Tennessee, Knoxville, who needs 45 quarter hours or less for the last 90 hours of combined undergraduate and graduate credit in effect at the University of Tennessee, Knoxville.

(2) Complete at least 45 quarter hours of college work during the student's attendance at UT, Knoxville. Students who attended a community college, junior college, or another senior institution may elect the UTK catalog in effect at the time of enrollment at UT, Knoxville provided the curriculum has been in effect within 10 years of the date of graduation. This does not obligate the University to accept studies of a student who attended a school other than the University of Tennessee, Knoxville, who needs 45 quarter hours or less for the last 90 hours of combined undergraduate and graduate credit in effect at the University of Tennessee, Knoxville, who attended a community college, junior college, or another senior institution.

Other sets of requirements will be available only upon approval of a student's faculty advisor and college dean, in consultation with the Registrar's Office. A student who transfers to UTK subsequent to prior enrollment at a community college, junior college, or another senior institution may elect the UTK catalog in effect at the time of enrollment at the other institution provided that the student is enrolled at UTK within one year after the last period of enrollment at the institution from which the student is transferring.

(3) Achieve a grade point average of at least 2.00 on all college work attempted at all institutions attended.

(4) Achieve a grade point average of at least 2.00 on the last 46 hours (last three quarters as a minimum) of work at The University of Tennessee. A 2.00 average is obtained by having two quality points for each quarter hour attempted, not including hours for which grades of NC, S, and W have been received.

(5) Complete the last 60 hours of credit offered for the bachelor's degree at an accredited senior college.

(6) Complete the last 45 hours of credit offered for the bachelor's degree in residence at The University of Tennessee, Knoxville. In the College of Agricultural at least 27 quarter hours of upper-division technical agriculture approved by the student's faculty adviser must be completed at The University of Tennessee, Knoxville. Work taken for credit through the University's Continuing Education programs in courses presented by The faculty of the Knoxvill e campus may be counted as part of this requirement, with the exception of the correspondence credit limitation noted below. Special arrangements to allow work taken at other University of Tennessee campuses to be counted as part of this requirement must be approved by the dean of the student's major college or school and the Dean of Admissions and Records.

(7) Comply with the state law that one unit of American History at the high school level or nine quarter hours of collegiate work be satisfactorily completed. This requirement is effective for those graduating July 1, 1978 or afterwards. It may be satisfied by completing History 220-20 (or 226-20) and History 2511 or 2521. History 3311 or 3321 may be used in lieu of three hours of American history.

Students would be expected to determine the point in the course schedule at which the requirement is to be included in the individual curricula.

(8) Satisfy all financial obligations (fees or fines) owed to the University.

(9) Pay to the Treasurer's Office a $10 graduation fee no later than the beginning of the quarter of graduation.

(10) File an application for a degree with the Registrar's Office, Room 209.

Senior Eligible for Graduate Credit

A senior at The University of Tennessee, Knoxville, who needs 45 quarter hours or less to complete the requirements for the bachelor's degree and has at least a 3.00 grade point average, may take such graduate work for credit if he elects to enroll for graduate credit before the first quarter hour of the fall term. This credit is to be used toward the bachelor's degree.

(1) Meet all requirements for both degrees, as specified above.

(2) Complete a minimum of 45 quarter hours beyond the first bachelor's degree.

(3) Attend the University for at least three quarters before the requirements time required for the first bachelor's degree.

Seniors Eligible for Graduate Credit

A senior at The University of Tennessee, Knoxville, who needs 45 quarter hours or less to complete the requirements for the bachelor's degree and has at least a 3.00 grade point average, may take such graduate work for credit if he elects to enroll for graduate credit before the first quarter hour of the fall term. This credit is to be used toward the bachelor's degree.

(1) Meet all requirements for both degrees, as specified above.

(2) Complete a minimum of 45 quarter hours beyond the first bachelor's degree.

(3) Attend the University for at least three quarters before the requirements time required for the first bachelor's degree.

Proficiency Examination

A proficiency examination may be given in any academic course offered for undergraduate credit. The University policy is to give proficiency examinations for courses which, if any, cannot be passed by proficiency examinations. However, the University policy feels that it is a rare course for which mastery cannot be tested by appropriate examination(s).

When applying to a department for a proficiency examination, a student should present evidence of having developed the ability to pass the examination. In the past, proficiency examinations have been administered to those of those who have taken the course in a previous term and are eligible to take the examination in the current term. Proficiency examinations are administered by the faculty in which the course is offered. Only one examination per course will be given in advance of the Office of the Registrar.

The giving of the examination must be approved by the head of the department in which the course is offered. The giving of the examination must be approved by the dean of the college in which the course is offered. The giving of the examination must be approved by the student's faculty adviser. If the student is a senior, the giving of the examination must be approved by the student's dean before completing the registration for the probationary quarter.

The Committee on Readmissions shall reserve for itself the right to require that the student pass a proficiency examination in such courses as the Committee deems necessary. It should be noted that some of the courses may not be offered for the bachelor's degree in residence at The University of Tennessee, Knoxville, by the College of Law or except by prior permission—by the Center for the Health Sciences.

Students taking work for certification purposes should consult the State Department of Education of their respective states concerning the amount of extension and/or correspondence credit allowed for a teacher's certificate.
include a writingsample.

providing that the examination selected
for the evaluation of such an examination.

The University will charge a fee of $5 for the evaluation of such an examination.

CLEP CREDIT FOR FRESHMAN COMPOSITION

1. Under the two conditions listed below, entering freshmen may be allowed credit in English Composition for the CLEP General Examination or for the CLEP Subject Examination in either English Composition or Freshman English, provided that the examination selected includes a writing sample.

a) Students entering with a CLEP score of at least 750 on the General Examination or on the Subject Examination (approximately 90th percentile) and with ACT scores of 25, English and Composite, may take Honors Freshman Composition 1038. If they earn an A in it, they will receive credit for 1018-28 with a grade of at least B.

b) Students entering with a CLEP score of 700 at least on the General or on the Subject Examination (approximately 84th percentile) and with ACT scores of 25, English and Composite, may take Honors Freshman Composition 1038. If they earn an A in it, they will receive credit for 1018-28 with a grade of at least B.

2. Students entering the University with lower-division credit for any CLEP composition score of at least 550 or 55 may have that credit substituted for the appropriate freshman course(s) provided (a) that they have already passed a sophomore-level literature course or courses with an average grade of at least B, and (b) that those with less than junior standing pass a sophomore or upper-division English course at the University with a grade of at least B.

Honors Categories for Graduation

The diplomas of graduating seniors show honors categories based on the following scale:

- "honors" 3.00 through 3.39
- "high honors" 3.40 through 3.74
- "highest honors" 3.75 through 4.00

These honors categories are based on a student's cumulative average at the end of the quarter preceding the graduation quarter. The honors category is also based on both the average earned at UT, Knoxville and the combined average on all college work attempted, with the lower of the two averages determining the honors category.

If, at graduation, a student's cumulative grade point average would allow a higher honors category than that determined at the end of the quarter preceding the graduation quarter, the student may, upon written request, receive a substitute diploma indicating the higher category. Courses may not be repeated for the purpose of raising an honors category.

Accelerated Program

The University operates a four-quarter plan, and a majority of its courses, especially at the lower division, are offered every quarter. Through appropriate arrangements of courses and attendance during the summer quarters, students may frequently complete their degree programs in less than four years. A student's faculty advisor should be consulted for assistance in planning an accelerated program.

Advanced Military Service and Air Force Aerospace Studies

Students who elect to enroll in the advanced military courses (junior and senior years) are obligated by written agreement with the government to complete the courses and to accept a commission if tendered.

Degrees

AT KNOXVILLE

Graduate School

Doctor of Business Administration

Doctor of Education

Doctor of Philosophy

Master of Accountancy

Master of Arts

Master of Arts in College Teaching

Master of Business Administration

Master of Engineering

Master of Fine Arts

Master of Mathematics

Master of Music

Master of Nursing

Master of Public Administration

Master of Public Health

Master of Science in Library Science

Master of Science in Planning

Master of Science in Social Work

College of Agriculture

Bachelor of Science in Agriculture

Bachelor of Science in Agricultural Engineering

Bachelor of Science in Forestry

Bachelor of Science in Wildlife and Fisheries Science

School of Architecture

Bachelor of Architecture

College of Business Administration

Bachelor of Science in Business Administration

College of Communications

Bachelor of Science in Communications

College of Education

Bachelor of Science in Education

School of Health, Physical Education, and Recreation

Bachelor of Science in Education

College of Engineering

Bachelor of Science in Aerospace Engineering

Bachelor of Science in Chemical Engineering

Bachelor of Science in Civil Engineering

Bachelor of Science in Electrical Engineering

Bachelor of Science in Engineering Physics

Bachelor of Science in Engineering Science

Bachelor of Science in Industrial Engineering

Bachelor of Science in Mechanical Engineering

Bachelor of Science in Metallurgical Engineering

Bachelor of Science in Nuclear Engineering

College of Home Economics

Bachelor of Science in Home Economics

College of Law

Doctor of Jurisprudence

College of Liberal Arts

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science in Chemistry

College of Nursing

Bachelor of Science in Nursing

College of Veterinary Medicine

Doctor of Veterinary Medicine

CENTER FOR THE HEALTH SCIENCES

(See CHS Bulletin)

Graduate School—Medical Sciences

Doctor of Philosophy

Master of Science in Forensic Toxicology

College of Medicine

Doctor of Medicine

College of Dentistry

Doctor of Dental Surgery

Master of Science in Orthodontics

Master of Science in Pediatrics

College of Pharmacy

Bachelor of Science in Pharmacy

College of Nursing

Bachelor of Science in Nursing

College of Community and Allied Health Professions

Bachelor of Science in Cytotechnology

Bachelor of Science in Dental Hygiene

Bachelor of Science in Medical Records Administration

Bachelor of Science in Medical Technology

Bachelor of Science in Physical Therapy

Bachelor of Science in Radiological Technology

AT CHATTANOOGA

(See Bulletin of UT at Chattanooga)

Bachelor of Science

Bachelor of Music

Bachelor of Fine Arts

Bachelor of Science in Engineering

Bachelor of Science in Nursing

Master of Business Administration

Master of Education

Master of Music
Master of Science
Master of Science in Criminal Justice
AT MARTIN
(See Bulletin of UT at Martin)
Associate of Arts in Nursing
Bachelor of Arts
Bachelor of Music
Bachelor of Music in Music Education
Bachelor of Science
Bachelor of Science in Agriculture
Bachelor of Science in Business Administration
Bachelor of Science in Chemistry
Bachelor of Science in Criminal Justice
Bachelor of Science in Education
Bachelor of Science in Engineering Technology
Bachelor of Science in Home Economics
Bachelor of Science in Natural Resources Management
Bachelor of Science in Nursing
Master of Science in Education
Master of Science in Home Economics
Master of Business Administration
Master of Accountancy
AT NASHVILLE
(See Bulletin of UT at Nashville)
Associate of Science in Fire Science
Associate of Science in Nursing
Associate of Science in Office Administration
Bachelor of Arts in Arts and Sciences
Bachelor of Science in Arts and Sciences
Bachelor of Science in Business Administration
Bachelor of Science in Education
Bachelor of Science in Engineering
Bachelor of Science in Nursing
Master of Business Administration
Master of Library Public Administration (joint TSU-UTM degree)

Fees and Expenses

Maintenance Fee. All students, including both in-state and out-of-state, are required to pay the established maintenance fee.

Tuition. Tuition is free to residents of Tennessee. Tuition is required of all students who are classified as non-residents for fee assessment purposes.

Student Hospitalization and Medical Insurance. The University makes available, by contract with an insurance company, group hospitalization insurance expressly for students. Changes in the group plan may be authorized by the University after annual renewal as determined by the Board of Trustees. Premiums are non-transferable and may not be duplicated. A current fee receipt is necessary to obtain a new or replacement ID card. ID cards are non-transferable and may not be duplicated.

Arrangement for Banking while at UTK. Banking arrangements can be made with Knoxville banks. Some Knoxville banks require a waiting period of 10 days before withdrawal of funds. Students are encouraged to open checking accounts in the UT Bankbookstore, and admission to various athletic, social, and cultural events. This fee is not transferable.

Activities cards are non-transferable and may not be duplicated.

University Fees

University fees and other charges are determined by the Board of Trustees and are subject to change without notice. The general fees in effect at the time of publication are as follows:

MAINTENANCE FEE
Undergraduate Students
Per Quarter $161
Graduate and Law Students
Per Quarter $172
TUITION (additional for all-out-of-state students)
Per Quarter $304
NOTE: In lieu of the above charge for tuition and/or maintenance fee, part-time students may elect to pay fees computed by the quarter hour credit (or audit) at the rates shown below. Total charge not to exceed the regular maintenance fee for in-state students or the maintenance fee plus tuition for out-of-state students.

Undergraduate Students
In-State $19 per quarter hour or fraction thereof; minimum charge $57
Out-of-State $43 per quarter hour or fraction thereof; minimum charge $129

Graduate and Law Students:
In-State $25 per quarter hour or fraction thereof; minimum charge $75
Out-of-State $58 per quarter hour or fraction thereof; minimum charge $174

UNIVERSITY PROGRAMS AND SERVICES FEE
Per Quarter $25
All undergraduate and graduate students taking in excess of eight quarter hours per quarter will be assessed a University Programs and Services Fee of $25 per quarter for fall, winter, and spring quarters and $18 for the summer quarter. Part-time students taking eight quarter hours or less will be assessed at the rate of $1 per quarter hour or a fraction thereof (minimum charge of $5) but are not entitled to admission to general activities programs. This fee is not refundable.

Knoxville campus students taking a course load of six, seven, or eight hours may elect to pay the full University Programs and Services Fee.

Graduate and teaching assistants as well as fellowship students who may waive fees (tuition and/or maintenance) must pay the appropriate University Programs and Services Fee.

Students enrolled exclusively at Oak Ridge and Kingsport Graduate Centers are exempt from the University Programs and Services Fee.

Activities cards are non-transferable and may not be duplicated.

MUSIC FEE
One half-hour lesson per week, per quarter...
One hour lesson per week, per quarter...
Payable by eligible full-time students.

GRADUATION FEE
Bachelor's Degree...
Master's Degree...
Doctoral Degree (except J.D.)...

The University 29
PAYABLE at the beginning of the quarter in which the candidate is to be graduated. This fee is non-refundable and is valid for only four quarters beginning the quarter it is paid.

DELAYED REGISTRATION SERVICE FEE
Graduated Late Service Fee

Upon receipt of a schedule (full, partial, or incomplete) a student is immediately responsible for payment of fees. Students who preregister for a quarter must pay their fees (or make satisfactory arrangements with the Treasurer's Office) on the regular registration dates. Effective the first regular business day following the last regular registration day a graduated late service fee of $2 per day will be charged during the next ensuing five regular business days.

Students who do not preregister but register through the "secondary" registration procedures will be granted two additional days after the final regular registration day to pay their fees before the graduated late service fee begins. Such students will be charged the graduated late service fee beginning with the third regular business day following the last regular registration day. (Minimum charge $6 third day, $8 fourth day, $10 fifth day.)

Additional Late Service Fees

All students who have not completed registration and paid their appropriate charges (or made satisfactory arrangements with the Treasurer's Office) within five regular business days after the last regular registration day will be charged an additional $10 late service fee (total $20).

Students who have completed registration and/or paid their appropriate charges (or made satisfactory arrangements with the Treasurer's Office) within five regular business days after the last regular registration day will be charged a second additional $10 late service fee (total $30) and may, at the discretion of the University, be automatically withdrawn from school and assessed the appropriate fees (ormade satisfactory arrangements with the Treasurer's Office) within 10 regular business days after the date the payment was due.

Note: No student withdrawals (or students withdraw for failure to pay fees) for the following reasons (or for any other reason) will be granted two additional days following regular registration:

1. Failure to pay fees before the quarter begins.
2. Failure to pay fees on or before the 10th day of the quarter.

The University reserves the right to correct any errors or omissions or to demand additional refunds or fees payable as a result of an enrolled student's actions or inaction.

DEFERRED PAYMENT SERVICE FEE

This service fee is applicable when the payment due on any part of a student's account is deferred by satisfactory arrangement with the Treasurer's Office, including accounts which must be billed to outside agencies, organizations and institutions. This fee is also applicable when a supplemental charge (out-of-state tuition, music fee, room and board adjustments, etc.) is not paid within five regular business days after the date it is incurred. Students are expected to notify the Treasurer's Office of their intention to pay all University obligations promptly.

APPLICATION FEE

$10

Each first-time undergraduate, graduate, and College of Law applicant for admission to The University of Tennessee, Knoxville, must pay this fee (or make satisfactory arrangements with the Treasurer's Office) on the regular registration day.

PROCESSING FEE

$10

Fees for proficiency and substantiating examinations are $10 per course. See page 27 for information on proficiency, CLEP, or other organized examinations.

CO-OP REGISTRATION FEE

$5

If credit is received, the fee will be determined by applying the appropriate quarter hour rate.

AUDITOR'S FEE

Fees for courses being audited are the same as those taken for credit. Auditors do not take the examinations, receive credit, or participate in class discussions.

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This service fee is applicable when the payment due on any part of a student's account is deferred by satisfactory arrangement with the Treasurer's Office, including accounts which must be billed to outside agencies, organizations and institutions. This fee is also applicable when a supplemental charge (out-of-state tuition, music fee, room and board adjustments, etc.) is not paid within five regular business days after the date it is incurred. Students are expected to notify the Treasurer's Office of their intention to pay all University obligations promptly.

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RENEWAL OF FEES AND ADJUSTMENTS FOR WITHDRAWALS AND DROPPED COURSES

Withdrawal from school for the quarter after receiving a schedule must be by official notification to the Withdrawal Office, Student Petitioning and Services Center, 300 Volunteer Boulevard. This is necessary whether or not fees have been paid, classes have been attended, or the schedule is incomplete. Failure to attend class does not automatically withdraw or drop a student from school or class.

The effective date of withdrawal is the date the Withdrawal Office is notified by completion of the official withdrawal request form. The appropriate percentage of fees will be charged unless this action is completed by the close of the last day designated for regular registration and before the first official day of classes for the quarter. Failure to promptly notify the Withdrawal Office when withdrawing could result in a large percentage fee assessment. Withdrawal does not cancel fees and charges already incurred.

The drop/add procedure must not be used to withdraw from school for the quarter.

A regular academic quarter, withdrawal within seven calendar days beginning with the first day following regular registration permits a 60 percent fee refund. Withdrawal between eight and 14 calendar days following regular registration permits a 40 percent fee refund. Withdrawal between 15 and 21 calendar days following regular registration permits a 20 percent fee refund. Refunds, in accordance with the administration of the Withdrawal Office, will be prorated for the portion of the quarter remaining after the drop deadline.

A student who wishes to pay fees computed at the appropriate quarter hour rate as indicated above. There is no charge for courses dropped during the first five calendar days following regular registration. There is a 40 percent charge for courses dropped between six and 21 calendar days following regular registration. There is a 20 percent fee refund. Refunds, in accordance with the administration of the Withdrawal Office, will be prorated for the portion of the quarter remaining after the drop deadline.

Note: All refunds and refunds will be made to the payee of the account. All checks are subject to subsequent audit and verification. The Registrar reserves the right to demand any error by appropriate additional charges or credits, to assess the appropriate refund. Adjustments for out-of-pocket expenses, refunds, and adjustments is given in the timetable (schedule of classes) for each quarter.
Summer Quarter
Fees and Expenses
Fees and expenses for the summer quarter are the same as for the other quarters during the academic year with the exception of the University Programs and Services Fee as noted above.

Through the summer quarter is divided into terms of varying lengths, tuition and fees are assessed at the regular quarter hour rate up to the maximum charge for a complete regular quarter.
The refund policy covering withdrawals and dropped courses for the summer quarter is based on the length of the term for the course(s) dropped. No refund is applicable to term courses dropped later than 14 calendar days after the regular registration day for the course(s) involved.

Estimate of Expenses
The following estimates of the necessary expenses for an academic year are average. Actual expenses vary greatly according to the habits of economy or extravagance of the individual student. The room and meal estimates are averages based on accommodations and 20-meal board plan in University facilities. Estimates for equivalent accommodations and meals elsewhere will usually be somewhat higher.

<table>
<thead>
<tr>
<th>Category</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance Fee</td>
<td>$483</td>
<td>$516</td>
</tr>
<tr>
<td>Program &amp; Services Fee</td>
<td>$75</td>
<td>$75</td>
</tr>
<tr>
<td>Room and Meals</td>
<td>1,524</td>
<td>1,524</td>
</tr>
<tr>
<td>Books, Supplies, etc.</td>
<td>215</td>
<td>215</td>
</tr>
<tr>
<td>Total for Tennessee Residents</td>
<td>$2,297</td>
<td>$2,330</td>
</tr>
<tr>
<td>Add for Non-Resident Tuition</td>
<td>1,002</td>
<td>1,002</td>
</tr>
<tr>
<td>Maintenance Fee</td>
<td>$3,299</td>
<td>$3,332</td>
</tr>
</tbody>
</table>

These figures give a fair idea of average expenses, exclusive of clothing, travel, and personal expenses. All extracurricular activities are not included in these estimates.

Housing
The University provides modern resident facilities in order to give students comfortable housing at a reasonable cost and with an atmosphere conducive to academic achievement and personal development.

Undergraduate Students. Single freshman students are required to live in University residence halls when space is available unless they commute from the home of their parent or legal guardian. Other single students are encouraged to reside in University facilities.

Housing contracts are a commitment for the academic year, September to June, or for regular occupancy. If a student withdraws from the University, the housing contract is cancelled in accordance with policies stated in the contract. Students assigned to residence halls on the room and board plan will be given contracts written to include both room and board. A contract for housing signed by a student is binding for the term of contract and is rigidly enforced by the University.

Additional information pertaining to single student housing may be obtained from the Office of Residence Halls, The University of Tennessee, Knoxville, Tennessee 37916.

Off-Campus Housing. Students living in off-campus housing are expected to observe the same rules of conduct and standards that are applicable to all students. The student is responsible for obtaining off-campus housing. The University does not inspect or approve these facilities. Terms and conditions for the rental of off-campus housing are between the student and the landlord. Information and assistance in locating off-campus housing is available in the Off-Campus Housing Office located in 306 University Center.

Graduate Students. Single graduate students may be assigned to the residence halls or the single student apartments. For information concerning University residence facilities, please refer to the appropriate paragraphs above describing Undergraduate Students and Off-Campus Housing.

Married Students. The University has provided modern apartment facilities in several locations for married students with families. Information and application for these facilities may be secured from the Office of Rental Properties, The University of Tennessee, Knoxville, Tennessee 37916.

Food Service Facilities
Excellent University-operated food service facilities have been provided. They are efficiently managed, carefully located in relation to residence halls, and serve a high quality of food at moderate prices.

The University recognizes the educational role of the food service facilities in the University environment. Students are invited to take advantage of the delicatessens and grilloperations. The Food Service Departments employ a skilled dietetic and management staff to insure that the student gets the highest quality meal at the lowest possible cost.

Room and board meal arrangements are available. This plan provides for the combination of balanced, nutritious meals, carefully planned and served at a reasonable charge to the student. For students not enrolled in the Board Plan, meals can also be obtained from cafeterias operated on a cash basis.

In addition, the Food Service Department offers a charge plan whereby students sign charge meals and have the bill rendered to their parents monthly.

For the late evening snack or morning coffee break, popular spots on campus are the delicatessens and grill operations. Students are invited to take advantage of the special "theme" meals offered in the University dining facilities throughout the academic year.

Student Financial Aid
The University of Tennessee offers a comprehensive program of financial aid for students who otherwise would not be able to attend. Through these federal, state, and University financial assistance programs, an eligible student may receive one or more types of assistance.

Financial need is defined as the difference between a family's resources and the total expenses of attendance. If there is a deficit, the student is considered to be in need of financial assistance. To assist in determining the need for financial aid, The University of Tennessee utilizes the need analysis system of the College Scholarship Service (CSS). Through the use of the CSS form and the Financial Aid Office determines the amount the parents and students could generally be expected to contribute toward meeting educational expenses. For more detailed information on the determination of need, please refer to the brochure entitled, "Financial Assistance for Students."

The University of Tennessee has three basic types of financial aid—scholarships and grants, loans, and part-time employment. These may be awarded individually or in combination according to the needs of the student. For detailed information on application procedures for each aid program, please refer to the brochure, "Financial Assistance for Students."

Scholarships and Grants
The University of Tennessee, Knoxville, scholarship program for new and currently enrolled students is made possible through funds provided by the University, endowments, private foundations, and other national and state sponsors. Through the use of the CSS Form and the Financial Aid Office, applicants are assessed at the regular quarter hour rate for the academic year with the exception of the Summer Quarter.

Scholarships are awarded to students who demonstrate strong academic achievement and proven need for assistance. There is no separate scholarship program based only on academic achievement. To compete for merit scholarships only, a student must submit an Application for Student Financial Aid. A financial statement is not necessary.

Academic achievement is judged for entering freshmen students by the applicant's high school record and ACT scores on the College Scholarship Service (CSS). Academic achievement for currently enrolled students is judged by the applicant's collegiate cumulative grade point average. All scholarships, including merit scholarships, are highly competitive; despite the generosity of University friends and alumni, there are not enough funds to provide scholarships to all qualified students.

Annual scholarship stipends range from $100 to $700. Most scholarships are awarded for one year, with the recipient competing for scholarships each year of enrollment. The Application for Student Financial Aid is a general application, and all applicants will be considered for every scholarship coordinated through the Office of Scholarships and Awards.

High school students should contact their school counselors regarding scholarships offered by local individuals, national foundations, and other organizations.
The borrower is serving in the Armed Forces, attendance. Applications must be submitted. Awards usually cover maintenance fees of above regulations and provisions of the financial need who are enrolled as full-time students in a course of study leading to a baccalaureate degree or a graduate degree in nursing. The amount of scholarship which a student may receive depends upon financial need. The maximum grants are $1,800 and not more than one-half the cost of education. The above regulations and provisions of the Basic Educational Opportunity Grant Program are subject to change by federal legislative action.

**Nursing Scholarships.** The purpose of this program is to assist students of exceptional financial need who are enrolled as full-time students in a course of study leading to a baccalaureate degree or a graduate degree in nursing. Proven need for financial assistance determines eligibility. Additional awards usually cover maintenance fees of approximately $500 for three quarters of attendance. More information may be obtained on this program by writing to the Tennessee Student Assistance Corporation, 707 Main Street, Nashville, Tennessee 37206.

**Student Loans.**

**National Direct Student Loans.** Long-term loans are available primarily through these sources of financial aid, i.e., scholarships, loans, and/or earnings from University part-time employment. A Supplemental Educational Opportunity Grant may be available to entering freshmen, transfer, and part-time students who are enrolled full-time and who show need of assistance in order to remain in good standing at the University. Interest on such loans is paid by the federal government. The above regulations and provisions of the National Direct Student Loan Program are subject to change by federal legislative action.

The University of Tennessee Student Loan Awards are designed to further the opportunity for higher education to residents of the state who show a financial need for assistance. Awards usually cover maintenance fees of approximately $300 per quarter for half-time study at an accredited school of nursing. Minimum monthly installments will be $30 per month or 1/36 of the amount borrowed, whichever is greater. The borrower may at his option and without penalty pay all or any part of the loan plus interest before entering the normal repayment period.

**Nursing Student Loans.** These loans are available to students who are enrolled or admitted as students in a course of study leading to a baccalaureate or graduate degree in nursing and who show need of assistance in order to pursue their course of study. The program provides a long-term loan at a 3 percent interest rate with repayment beginning no later than following the completion of half-time study at an accredited school of nursing. Repayment may also be deferred for a period up to three years while the borrower is serving in the Armed Forces, Peace Corps, or VISTA. However, interest will continue to accrue on the unpaid balance. The maximum repayment period is 10 years with the current minimum annual repayment $360 or 10 percent of the accumulated loan, whichever is greater.

To receive the loan, a student must be attending a University of Tennessee in the United States. Repayment may also be deferred for a period up to five years for full-time study. When the program is fully funded, the individual remains in half-time attendance at an accredited institution of higher education in the United States. Repayment may also be deferred for a period up to three years while the borrower is serving in the Armed Forces, Peace Corps, or VISTA. However, interest will continue to accrue on the unpaid balance. The maximum repayment period is 10 years with the current minimum annual repayment $360 or 10 percent of the accumulated loan, whichever is greater.

If upon graduation the borrower becomes a full-time teacher in a public or non-profit school which is designated by the commissioner as having a high enrollment of low-income families or becomes a teacher of the handicapped, 15 percent of the total principal plus interest is canceled for the first and second years of teaching, 20 percent for the third and fourth years and 30 percent for the fifth year. If after graduation the student becomes a staff member in a preschool program which is operated for a period comparable to a full school year, 15 percent of principal plus interest will be canceled for each year of service. Cancellation for up to 50 percent of the loan will also be given at the rate of 12½ percent of the total principal plus interest for each year a Health Professions Student Loan is repaid in an area of hostility. An undergraduate may be extended a maximum annual loan of $1,250 to an accumulated loan total of $5,000. Graduate level students may be extended annual loans of $2,500 to a maximum accumulated loan total of $10,000. The above regulations and provisions of the National Direct Student Loan Program are subject to change by federal legislative action.

The University of Tennessee Student Loans. Students from University sources are available to currently enrolled students with a 2 or more cumulative grade point average. A loan of up to $250 per quarter to an annual maximum of $1,000 can be extended. One surety or cosigner is required for each promissory note. The maximum promissory note which a student may obtain is $2,000. The above regulations and provisions of the Supplemental Educational Opportunity Grant Program are subject to change by federal legislative action.

**Supplemental Educational Opportunity Grants.** This is a program of direct grants available to entering freshmen, transfer, and employed undergraduate students with exceptional financial need. Grants may be extended for a maximum of 12 quarters and must be matched dollar for dollar by other sources of financial aid, i.e., scholarships, loans, and/or earnings from University part-time employment. A Supplemental Educational Opportunity Grant may not be less than $200 or more than $1,500, or exceed one-half of the student's need for assistance.

**Nursing Scholarships.** The purpose of this program is to assist students of exceptional financial need who are enrolled as full-time students in a course of study leading to a baccalaureate degree or a graduate degree in nursing. The amount of scholarship which a student may receive depends upon financial need. The maximum grants are $1,800 and not more than one-half the cost of education. The above regulations and provisions of the Basic Educational Opportunity Grant Program are subject to change by federal legislative action.

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to 20 hours per week. If part-time employment is a financial necessity to the student with a low grade average, the student is advised to accept a job requiring fewer hours of work per week.

The University of Tennessee wishes to express gratitude to the contributors and donors of the following scholarships:

- George A. Abraham Scholarship Fund
- Allied Chemical Grant-Industrial Engineering Allied Chemical Scholarship Grant-Industrial Engineering
- Allied Chemical Foundation Fellowship Grant-Chemical Engineering
- Allied Chemical Scholarship Grant-Industrial Engineering
- Allied Chemical Scholarship Grant-Mechanical Engineering
- Alpha Delta Kappa Scholarships
- Joe Mae Almport Memorial Scholarship
- American Home Economics Association Scholarship, College Chapter
- American Society for Metals, Oak Ridge Section Scholarship
- American Society of Tool and Manufacturing Engineers-Oak Ridge Chapter Scholarship
- AMSF Scholarship Fund
- Ida A. Andersen Scholarship
- Anderson County Agricultural Scholarship
- Harvest Time-S glaring Scholarship
- [Other scholarships listed]

The University of Tennessee wishes to express gratitude to the contributors and donors of the following scholarships:

- Captain Samuel E. Asher Memorial Scholarship
- James Thurman Ailor and Judge Thurman Ailor Agricultural Faculty-Alumni Scholarships
- [Other scholarships listed]

The University of Tennessee wishes to express gratitude to the contributors and donors of the following scholarships:

- Donald H. Bradley, Sr. Scholarship
- Dr. W. Wade H. Boswell Scholarship
- [Other scholarships listed]

The University of Tennessee wishes to express gratitude to the contributors and donors of the following scholarships:

- Robert L. Forrester Memorial Scholarship
- Franklin County Farm Bureau Scholarship
- [Other scholarships listed]

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- Robert L. Forrester Memorial Scholarship
- Franklin County Farm Bureau Scholarship
- [Other scholarships listed]
William Way, Jr., Memorial Award. Gold medal or institution. Cash award to a junior or senior who is a resident of Tennessee and majoring in business education major with highest 11-quarter scholarship. A memorial scholarship fund endowed by John Fred Holly, Jr. A memorial scholarship endowment to the male and female College of Business Administration junior initiating with the highest grade point average by this national business honorary society. Beta Gamma Sigma Awards. Plaques and awards to sophomores, juniors, and seniors in the College of Business Administration who have completed at least three years of college study and who have maintained a grade point average of B or higher. The Arthur Brownlow Wood Memorial Scholarship. A cash award given annually to an outstanding senior in mechanical and aerospace engineering having the highest scholastic average for three years of college work in this university.

College of Engineering

Albert S. Fry Memorial Scholarship. An annual cash award is given to a junior or senior majoring in engineering based on scholarship and activity in the ASCE student chapter.

American Chemical Society. A $300 scholarship award to one outstanding senior in chemical engineering the highest scholastic average in first two years.

American Institute of Aeronautics and Astronautics. Award of one-year membership to a senior member whose performance scholastically and in branch activities has been outstanding.

American Institute of Chemical Engineers Professional Achievement Award to chemical engineering for who has contributed most to student chapter. Name engraved on permanent plaque, and certificate.

American Institute of Chemical Engineers Scholar Award to chemical engineering student who attained the highest scholastic average in first two years. Certificate and handbook.

American Society of Mechanical Engineers. Award to the highest scholastic average for three years of college work in this university.

J. M. Mack Tucker Outstanding Senior Award. Recognition by the Student Section of the American Society of Civil Engineers to an outstanding senior for achievement and evidence of high potential in his chosen field.

Raymond Sheba Excellence in Engineering Me- the highest scholastic average in mechanical and aerospace engineering having the highest scholastic average in first two years.

John Milton Snoddy Scholarship Endowment Fund. A $400 scholarship award to an outstanding student in engineering majoring in mechanical and aerospace engineering having the highest scholastic average in each calendar year. Name on plaque.

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Tennessee Chapter of Future Homemakers of America. One, $500.


Tennessee Restaurant Association Scholarship Program. Awarded to a student enrolled in the College of Home Economics.

University of Tennessee Book and Supply Store Leadership, and Scholarship. Awarded to a student enrolled in the College of Law. The award is made annually to the senior woman who has the highest scholastic average during three years of study.

University of Tennessee Book and Supply Store Scholarship. Awarded to an entering freshman. $450.

Virginia Polytechnic Institute and State University, Blacksburg, Virginia. A prize copy of Tennessee Code Annotated to the student who has attained the highest average during three years of study.

Awarded by the home economics honor fraternity. Omicron Nu Sophomore Scholarship Award. $150.

Student Foundation Scholarship. Awarded to in-state students $1000, to out-of-state students "as determined by the student welfare committee on the basis of need and demonstrated academic performance.

College of Liberal Arts

John M. Allen Mathematics Prizes. Medals, to outstanding freshmen mathematics students. Prizes are determined by competitive examinations, usually held jointly with the National Mathematics Contest. Mathematics Department. Prizes: Mathematics 1848-58-68:

Bowen Foods Corporation Scholarship. $300.

Tennessee Chapter of Future Homemakers of America. One, $500.


Tennessee Restaurant Association Scholarship Program. Awarded to a student enrolled in the College of Home Economics.

University of Tennessee Book and Supply Store Leadership, and Scholarship. Awarded to a student enrolled in the College of Law. The award is made annually to the senior woman who has the highest scholastic average during three years of study.

Virginia Polytechnic Institute and State University, Blacksburg, Virginia. A prize copy of Tennessee Code Annotated to the student who has attained the highest average during three years of study.

Awarded by the home economics honor fraternity. Omicron Nu Sophomore Scholarship Award. $150.

Student Foundation Scholarship. Awarded to in-state students $1000, to out-of-state students "as determined by the student welfare committee on the basis of need and demonstrated academic performance.

College of Liberal Arts

John M. Allen Mathematics Prizes. Medals, to outstanding freshmen mathematics students. Prizes are determined by competitive examinations, usually held jointly with the National Mathematics Contest. Mathematics Department. Prizes: Mathematics 1848-58-68:

Bowen Foods Corporation Scholarship. $300.
Ruth Stephens Award in International Relations and International Law, established by the late Mr. and Mrs. Oscar Handly, Knoxville. Dividends from investments at least 3.50 annually in Latin or Greek courses.

Gamma Phi Beta, scholastic honor, educational-scholarship organization open to students in all fields of study. Prospective members, usually inducted in the fall or spring, must have completed 15 hours or more of college work and a minimum 3.0 average. Meeting these requirements does not necessarily assure election. Membership is by invitation.

Delta Mu, for mechanical engineering students. Prospective members must be seniors ranking among the upper one-third of their respective electrical engineering class.

Kappa Delta, an order for outstanding students and faculty. Membership is by invitation.

Kappa Delta Pi, for educational student members. No one may be initiated until he has acquired a minimum of 9 hours of industrial education courses and a minimum B average. Kappa Delta Pi, honor society for professionals and student educators. Minimum 3.5 grade point average for nine quarters of University work and a minimum 3.2 average in all courses. Students must have completed the basic education courses and have a minimum 2.3 average. Sigma Delta Chi, professional journalism educational-scholarship organization. Prospective members must have completed the basic education courses and have a minimum 2.3 average. Sigma Alpha Iota, professional music fraternity for undergraduate and graduate students and faculty. Student members are elected solely on the basis of scholarship.

Pi Sigma Alpha, for political science students and faculty. Student members are elected solely on the basis of scholarship.

Delta Tau Sigma, for mechanical engineering students. Prospective members must rank in the upper one-third of their respective electrical engineering class.

Theta Chi, for law students. Phi Delta Kappa, honorary professional fraternity in education connected with approved colleges and universities of graduate rank, maintaining schools, colleges, or departments of education; pursuing excellence in service, teaching, and research.

Phi Delta Pi, for law students.

ProPha Sigma, for freshmen who have a minimum grade point average of 3.0 the first quarter or last three months while carrying a full academic load. All candidates must rank in upper 10 percent of their class.

Phi Lambda Theta, a national honor society for junior and senior students who have participated at a high level of excellence in intercollegiate forensics or original speaking activities and who rank in the upper 30 percent of their college class.

Phi Alpha Delta, for law students.

Phi Beta Kappa, the oldest national honor society for liberal arts and sciences students in the United States, was founded at the University of Virginia in 1776. Phi Beta Kappa recognizes students who have shown promise or accomplishment in their work and who make worthy contributions in their respective fields.

Omega Xi Rho, for students majoring in Spanish literature or be registered in the last term of a Spanish course. Prospective members must have a minimum 2.75 average in all academic work and a minimum 3.2 average in the specific academic work relating to Spanish. Omega Xi Rho, is an honor society for French students. Prospective members must have a minimum 3.5 GPA. Membership by invitation.

Gamma Sigma Delta, agricultural honorary society for graduating seniors, graduate students, faculty, and agricultural alumni. Seniors selected must be in good standing, have completed 24 hours toward the bachelor of agriculture degree or at least 3.0 average in all courses. Students with a minimum 3.5 average or better on at least 24 hours toward the advanced degree. They must have shown promise or accomplishment in their work and who make worthy contributions in their respective fields.

Gamma Theta Upsilon, national honor society for men studying in any department of agriculture.

Iota Lambda Sigma, for industrial education students. No one may be initiated until he has acquired a minimum 9 hours of industrial education courses and a minimum B average. Kappa Delta Pi, honor society for professionals and student educators. Minimum 3.5 grade point average for nine quarters of University work. National Eta Sigma Kappa, national honor society, membership requirements for undergraduate students include 24 credit hours toward a degree in Business Administration, Business Administration curriculum, and top 5 percent of all students enrolled in the College of Business Administration, with a minimum 3.0 GPA. Chi Epsilon, for civil engineering students. Junior and senior civil engineering majors ranking on the upper one-third of their respective class are eligible for membership.

Delta Nu Alpha, for transportation students. Prospective members must have completed the basic transportation courses and have a minimum 2.3 average. Delta Pi Epsilon, for business education graduate students. Prospective members must have a minimum 3.4 average for nine hours of graduate work in business education. Candidates are required to show evidence of their scholarship before initiation by presenting a talk, research abstract, or paper to a faculty group.

Delta Sigma Pi, professional business fraternity for students enrolled in the College of Business Administration. A minimum of 40 quarter hours of University credit with a scholastic average of at least 3.5 for initiation.

Delta Sigma Rho, Tau Kappa Alpha honor societies for junior and senior students who have participated at a high level of excellence in intercollegiate forensics or original speaking activities and who rank in the upper 30 percent of their college class.

Theta Delta Phi, for law students.

Pi Delta Phi, for French students. Prospective members must have a minimum B minus average in all French courses taken.

Kappa Lambda, for students in music and music education.

Phi Lambda Theta, a national honor and professional psychology fraternity for undergraduate students with a minimum 3.9 average and graduate students with a minimum 3.3 average. Meeting these requirements does not necessarily assure election. Membership is by invitation.

Phi Alpha Chi, for political science students and faculty. Student members are elected solely on the basis of scholarship.

Tia Tau Sigma, for mechanical engineering students. Prospective members must have a minimum of 90 hours of industrial education courses and a minimum B average. Kappa Delta Pi, honor society for professionals and student educators. Minimum 3.5 grade point average for nine quarters of University work.

Phi Kappa Phi, broadest of the national honor societies of the College, for law students. Prospective members must be seniors ranking among the upper 10 percent of their class with a minimum 3.0 average. Meeting these requirements does not necessarily assure election. Membership is by invitation.

Phi Delta Pi, for French students. Prospective members must have a minimum B minus average in all French courses taken.

Greek letters, 85 percent or its letter or point equivalent.

Alpha Chi Sigma, engineering honor society. Minimum requirements for undergraduate students include 24 credit hours toward a degree in Business Administration, Business Administration curriculum, and top 5 percent of all students enrolled in the College of Business Administration, with a minimum 3.0 GPA. Chi Epsilon, for civil engineering students. Junior and senior civil engineering majors ranking on the upper one-third of their respective class are eligible for membership.

Delta Nu Alpha, for transportation students. Prospective members must have completed the basic transportation courses and have a minimum 2.3 average.

Delta Pi Epsilon, for business education graduate students. Prospective members must have a minimum 3.4 average for nine hours of graduate work in business education. Candidates are required to show evidence of their scholarship before initiation by presenting a talk, research abstract, or paper to a faculty group.

Delta Sigma Pi, professional business fraternity for students enrolled in the College of Business Administration. A minimum of 40 quarter hours of University credit with a scholastic average of at least 3.5 for initiation.

Delta Sigma Rho, Tau Kappa Alpha honor societies for junior and senior students who have participated at a high level of excellence in intercollegiate forensics or original speaking activities and who rank in the upper 30 percent of their college class.

Theta Delta Phi, for law students.

Pi Delta Phi, for French students. Prospective members must have a minimum B minus average in all French courses taken.

Kappa Lambda, for students in music and music education.

Phi Lambda Theta, a national honor and professional psychology fraternity for undergraduate students with a minimum 3.9 average and graduate students with a minimum 3.3 average. Meeting these requirements does not necessarily assure election. Membership is by invitation.

Phi Alpha Chi, for political science students and faculty. Student members are elected solely on the basis of scholarship.

Tia Tau Sigma, for mechanical engineering students. Prospective members must have a minimum of 90 hours of industrial education courses and a minimum B average. Kappa Delta Pi, honor society for professionals and student educators. Minimum 3.5 grade point average for nine quarters of University work. National Eta Sigma Kappa, national honor society, membership requirements for undergraduate students include 24 credit hours toward a degree in Business Administration, Business Administration curriculum, and top 5 percent of all students enrolled in the College of Business Administration, with a minimum 3.0 GPA. Chi Epsilon, for civil engineering students. Junior and senior civil engineering majors ranking on the upper one-third of their respective class are eligible for membership.
Sigma Gamma Epsilon, honor society for students in earth sciences. Membership is by invitation, based on scholarship in the major field.

Sigma Pi Sigma, physics honors society for upper-class and graduate students, faculty members, and qualified alumni.

Sigma Theta Tau, national nursing honor society for students who have demonstrated outstanding scholastic achievement, professional leadership potential, and/or marked achievement in the field of nursing. Undergraduate students having completed at least two quarters for the upper-division curriculum with a 3.0 average are eligible for membership as well as graduate students who have completed one-half the master's program with a 3.5 average.

Sigma Xi, scientific research society for advanced graduate students and faculty. Prospective members are recommended by individuals who are original investigators in the pure or applied science fields. Exceptionally brilliant and promising under-graduate and graduate students may be elected to associate membership.

Tau Beta Pi, national honor society for engineering students. The top one-eighth of the junior engineering class and the top first of the senior engineering class, scholarship ranked, may be elected. Elections are held in the fall and winter quarters. The organization conducts programs and projects of benefit to students and the University.

Torchbearers epitomize the finest qualities of The University of Tennessee. Torchbearers are selected during the junior year to provide the leadership role in Torch programs and activities. Torchbearers conduct programs and projects of benefit to students and the University. The top one-eighth of the junior engineering class and the top first of the senior engineering class, scholarship ranked, may be elected. Elections are held in the fall and winter quarters. The organization conducts programs and projects of benefit to students and the University.

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Student Affairs and Services

Office of the Vice Chancellor for Student Affairs

The Vice Chancellor for Student Affairs coordinates the various offices and departments of the University for assistance, support, and advice in their education and life beyond the classroom.

Office of Career Planning and Placement Service

This service is engaged in two major activities. The services of the Career Planning Office and Career Resource Center, 106 Alumni Hall, are available to students, faculty, and prospective students. The services are designed to help individuals explore career decisions, utilizing individual skills, abilities, interests, and strengths. Workshops on career decisions making, interviewing skills, and resume writing are offered several times each quarter. Shorter and certain workshops can be taken for academic credit. Individual career counseling is appropriate for all students.

The Career Resource Center includes a special collection of printed and audiovisual materials related to current occupational information, career planning, job seeking, and on-the-job performance. The Placement Service offers students job bulletin containing current job openings, on-campus interviews with nationwide companies, and a career counseling service where students can maintain a file of recommendations and a data card. For information regarding career planning and career resources, call 974-2476. The Placement Office number is 974-5436.

Office of the Dean of Admissions and Records

All matters relating to undergraduate admission to the University and to credit for work at other schools and colleges are administered by the Dean of Admissions and Records. All credit, applications for admission, and inquiries about admissions should be addressed to the Director of Admissions, The University of Tennessee, Knoxville, Tennessee 37916.

Student Financial Aid is also administered under the direction of this office. Information on available financial aid may be obtained by writing the Director of Financial Aid, 301 Student Services Building, The University of Tennessee, Knoxville, Tennessee 37916.

In addition to undergraduate admissions, this office has general administrative responsibilities for academic retention and readmission activities, maintenance of student academic records, certification of completion of requirements for undergraduate degrees, registration procedures, and eligibility for athletic participation. This office also administers relations between students and the Social Security Administration and Veterans Administration.

Handicapped students may receive special assistance in registering and arrangement of schedules through this office.

Office of the Dean of Special Student Services

This office coordinates those programs designed to assist students with educational and personal handlings. In addition to that, it is responsible for the operation of the Black Cultural Center and the promotion and management of minority students. The office also works on academic units in the planning of special programs and services for minority and handicapped students.

Included in this area of operation are the Office of Handicapped Student Services, the Educational Assistance Program, and the Black Cultural Center.

Handicapped Student Services

The Office of Handicapped Student Services provides counseling and academic support services to insure that handicapped students have access to educational opportunities provided at The University of Tennessee. Any student having a disability which restricts his/her participation in academic life is eligible for services. Services provided include personal and career counseling, interpreters, reader referral, and other services designed to meet the individual's needs. Assistance is available for special evaluations and learning accommodations. Information regarding transportation and housing is provided. The office serves in a liaison capacity with the Tennessee Division of Vocational Rehabilitation. Registration and other forms of administrative assistance are provided through the Office of Admissions and Records.

Participation in the program is on a voluntary basis; confidentiality is maintained. Students desiring any services are encouraged to attend The University of Tennessee so that any necessary arrangements can be made. The office is located at 900 Volunteer Boulevard. Phone number: 974-3270.

The Educational Assistance Program

The Educational Assistance Program (EAP) is a federally funded project (Special Services for Disadvantaged Students) designed to help prepare an increasing number of students who may, because of previous academic weaknesses or handicaps, have difficulty in achieving academic success during their initial University experience. The program offers specially designed courses in mathematics, biology, English, and educational psychology. The course function in a manner that each student receives individual help and is given every opportunity for success. The opportunities include small classes, the availability of the professor for individual help, special help sessions, individual and small-group tutorial, self-paced courses, individual academic advising each quarter, and both academic and personal counseling services. In addition, the EAP staff attempts to serve as liaison for the student in any area of University experience in which the student is having difficulty.

The offices of the program are located on the ground floor of the Student Counseling Center at 900 Volunteer Boulevard. Phone number: 974-6067.

Black Cultural Center

The Center represents one effort by the University to proclaim the uniqueness of the Black experience and the contribution of Black Americans to American past. The Center seeks to fulfill this role by a variety of programs. Its major program, the cross-campus work sponsorship of Black History Week and the Black Arts Festival. Within the Center itself exhibits related to the Afro-American past, small group lectures, group study sessions, and a tutoring program aimed especially at minority students are a feature. The Center is located at 812 Volunteer Boulevard. All members of the University community are invited to visit this location and utilize the opportunities provided by the Center for increased knowledge about the Black experience.

Office of the Dean of Student Activities

The Office of the Dean of Student Activities, Suite 413 Student Services Building, Circle Park, Knoxville, Tennessee 37996, serves all University students and groups. Its area of operation encompasses on-campus activities such as the Student Aquatic Center and Recreational Facilities, Student Publications, and all other extracurricular activities of University students.
Office of the Dean of Student Conduct and Orientation

Student Orientation Office. This office is dedicated to helping new students adjust to the university setting, creating an environment that focuses on personal, general, and scholastic difficulties of the student during the first year of enrollment at the Knoxville campus. The office is responsible for the summer orientation program, specifically designed for the fall-quitter new student, as well as orientation programs for freshmen and transfer students presented prior to the beginning of each quarter.

Student Conduct Office. This office is concerned with the individual rights and responsibilities of students. The personnel of this office serve as advisers to the student judicial system and, when necessary, initiate appropriate discipline proceedings.

Office of International Student Affairs

This office assists students from other countries with the many matters which are of particular concern to them during their stay in the United States. It also serves as the official University representative in all matters involving immigration authorities, international educational organizations, and foreign governments.

The office maintains the overseas students' official records and provides a liaison with the teaching faculty. It coordinates such projects as a community volunteer program and activities for foreign student spouses. To help the overseas student adjust to American life, its personnel serve as advisers on personal and academic problems.

Special orientation programs are held at the beginning of each term and foreign students admitted to the university are notified in advance and are urged to arrive in time to attend them.

Non-U.S. citizens or students who are graduating abroad are directed to: The Vice Chancellor for Graduate Studies and Research, 118 Administration Building, Knoxville, Tennessee 37916, U.S.A. Persons seeking information who do not apply to: Director of Admissions, The University of Tennessee, Knoxville, Tennessee 37916, U.S.A. Persons seeking information who do not apply to: Director of Admissions, The University of Tennessee, Knoxville, Tennessee 37916, U.S.A.

Other specific inquiries or requests for more detailed information may be directed to: Office of International Student Affairs, 201 Alumni Hall, The University of Tennessee, Knoxville, Tennessee 37916, U.S.A.

UNIVERSITY INTERNATIONAL HOUSE

The "International House" is located approximately two blocks from the heart of the campus. It is provided by the University and operated by the Office of International Student Affairs as a facility where domestic and foreign students can come together to relax and discuss matters of mutual interest.

International student programs and activities are available to all students attending the International House. Students representing various national student groups and associations, along with local and international students, staff, and faculty, participate in special activities which are held throughout the year.

University Center

Playing a unique role in the University community, the Carolyn P. Brown Memorial University Center is a central gathering place for students, faculty, and staff as well as guests. The Center, built on a lower level, called "Xanadu," houses automatic bowling lanes, billiard tables, dark room facilities, an arts and crafts area, and a table-games lounge. These facilities are among the best in the nation for student recreational pursuits.

The expansive food service on the ground level provides the finest food available. The entrance to the large, modern, two-level bookstore on Stadium Drive. Such facilities as the central ticket office, check cashing center, and the post office are conveniently located on the ground level.

The second floor is the student program area. An auditorium with 576 seats, a 150-seat seminar room, a music listening room, and four public lounges supplement the large ballroom and meeting rooms for any type of campus event. Large banquets, dances, and receptions are planned and serviced in the expansive area.

Administrative offices for the building, student programs and organizations, and additional dining facilities are located on the third floor.

The meeting rooms and services of the Center are available to all approved student groups. Requests for usage are completed with the Reservations Office.

THE UNIVERSITY BOOK AND SUPPLY STORES

The main store, at the Stadium Drive entrance of the University Center, is the official store for the University. A tobacco and convenience store on the lower level of the Stadium Drive entrance is open 16 hours daily. Used and new textbooks are bought and sold on the lower level of the two-level store. In addition to textbooks, a 110,000 paperback book collection, scientific and engineering books, and numerous study aids are available on this floor. The first floor offers a complete stock of engineering, art and school supplies, greeting cards, posters, and other items for student needs.

The student bookstore is located in Hess Hall, Presbyterian Court, and Andy Holt Apartments. These stores are open 6 days a week for the student's convenience.

Students benefit directly from their patronage of the University Book and Supply Stores since all profits are used to help support the operational activities of the University Center and Aquatic Center. The primary basis of competition is local in which teams participate for the fun of the game. Following league competition, there are division tournaments among the league champions to determine Division Champions. The second division competition, the third division competition, the third division Champions then compete for the All University Champions.

The league activities include basketball, softball, volleyball, tennis, track and field, and sports for wheelchair, war, turkey trot, volleyball, and water polo.

In addition to the team sports competition, open tournaments are held in individual and dual sports. In some cases individuals have the option of choosing a class of competition that best characterizes their type of play. Activities are conducted: bowling, tennis, one-on-one, three-on-three, super-house, billiards, croquet, frisbee, golf, handball, paddleball, racquetball, skateboard, squash, table tennis, tennis, and wrestling.

CO-RECREATION INTRAMURAL

The Intramural Office also offers Co-Rec activities for adults, students, faculty and staff, and their non-student wives, roommates, or friends eligible to participate. The Co-Rec activities are organized as an informal fun program, using...
modified rules so that men and women can participate on an equal basis. The activities are badminton, basketball, football, golf, handball, racquetball, softball, table tennis, tennis, volleyball, and water polo.

SOFTWARES

for Faculty and Staff

The Sports Club Office is located in the Student Aquatic Center, Room 202. The clubs are archery, badminton, baseball, bicycling, bowling, boxing, canoe & hiking, crew, dolphin, equestrian, fencing, field hockey, flying, floor hockey, frisbee, gymnastics, handball, ice hockey, ice skating, jogging, judo, karate, lacrosse, racquetball, rugby, running, sailing, scuba, skateboard, snow ski, soccer, sports car, synchronized swim, table tennis, trap & skeet, volleyball, water aerobics, and women's rugby.

FREE PLAY

All aquatics areas, Alumni Memorial Gym and the Physical Education Building are open to students for free play when the areas are not otherwise scheduled. One or both of these facilities is open seven days a week during the school year to offer students an opportunity to participate in exercise in their leisure time. Students may check out necessary equipment at each facility upon presentation of their student identification cards. Guest passes are available in the Sports Club Office. These centers facilitate use for the enjoyment of students, faculty, and staff of The University of Tennessee, Knoxville.

Aquatics

The aquatic facilities are designed for year-round operation so that students who wish to participate in free swimming and diving in one of the most outstanding physical complexes in the United States. The Aquatic Center has indoor and outdoor Olympic-size pools where one can enjoy the companionship of the aquatics and participate in activities. The pool is open Monday through Friday from 12 to 9 p.m., Saturday from 12 to 6 p.m., and Sunday from 1 to 6 p.m. Students and members can also enjoy the sun lamps and relaxation areas found poolside.

National, regional, and state aquatics are included. National programs are offered during the summer at no extra expense. The programs vary and provide for a more wholesome and dynamic future.

(1) Skin and scuba diving is offered each quarter with NAUI certification. The most prestigious certification in the country. Equipment is furnished at no charge—safety vests, weight belts, tanks, regulators, snorkels, masks, and boots provided.

(2) Lifesaving is offered to those students desiring American Red Cross certification. The course is taught each quarter, and books and materials are furnished.

(3) The Water Safety Instructor course is offered fall, winter, and spring quarters with Red Cross certification. There is no charge for students, and instruction and manuals are provided.

(4) Beginning swimming is offered to students, faculty, and staff during the summer quarter. This course is for those who want to improve their swimming skills or learn to learn to swim for the first time.

(5) Beginning diving is offered to students, faculty, and staff during summer quarter. This course teaches coordination and skills on the springboard.

(6) Water survival is offered to students each quarter. This program provides the student with the basic skills and safety measures for prolonged periods in the water and is incorporated in the lifesaving program.

(7) Varsity sports practice daily throughout the fall, winter, and spring quarters. Many outstanding meets are scheduled here, and the Vols consistently hold high in the NCAA championships.

(8) A handicapped swim program is offered one quarter each year for those students who need special care in aquatic activities.

(9) Lifeguard School is offered at the Aquatic Center each quarter for specialized training of all lifeguards, adult and junior lifeguards, and competitive classes are offered to faculty and staff children fall and spring quarters. A competitive swimming course is taught winter quarter.

(10) Beginning swimming is offered winter quarter. A Life Aquatics program is offered students, faculty, and staff throughout the whole year. Records are kept, and certificates are awarded during certain phases of the program.

(11) A Swim For Your Life program is offered fall, winter, and spring quarters for faculty and staff.

(12) A Faculty Women's swim program is offered fall, winter, and spring quarters for faculty and staff.

(13) Community competitive swimming programs are offered each quarter during the student's evening meal hour. Other offerings include moonlight swim parties, water basketball, water polo, special shows, and swimming/traveling team, mini-board diving and safety supervisory services.

The Aquatic Center is available after hours for physical and organizational parties, community aquatic programs, etc., for a fee. This facility has been viewed by visitors, professional, and non-professional from all parts of the world, who have said it is among the finest of its kind in the United States.

Student Activities Office

An extensive program of extracurricular activities is available at The University of Tennessee, Knoxville. All student organizations currently functioning. Students have the opportunity to initiate and develop special interests, plans and administer all-campus programs, participate in governance organizations, and augment the academic offerings of the classroom through participation in departmental clubs and scholastic and professional honorary organizations.
students conduct and actions will be measured on an adullt standard, students should understand that they assume full responsibility for the consequences of their actions and behavior. The academic community will be judged in large measure by the actions of its members. Therefore, it is incumbent upon students to include the implications for their community in their criteria for determining appropriate behavior. Failure or refusal to comply with the rules and policies established by the University may subject the offender to disciplinary action up to and including suspension from the University.

Religious Resources

The University, established by a government that recognizes no distinction among religious beliefs, seeks to promote no creed nor to exclude any. However, it will always be diligent in promoting the religious spirit and life of its students.

CHURCH CENTERS

Church centers are maintained on or adjacent to the campus for University students. These are the Baptist Student Center, John XXIII Catholic Center, Presbyterian Student Center, Tyson House (Episcopal), Lutheran Student Center, Wesley Foundation (Methodist), Hrilal Foundation, Christian Student Center, and Christian Student Fellowship.

Student Organizations

On the University campus there is a large number of student chapters of professional organizations and over 100 national and other extracurricular organizations. These student chapters and clubs provide broad opportunities for student participation. A full listing of all student organizations on the campus will be found in Hilltopics. All of these clubs and organizations are under the general supervision of the Student Activities Office.

Social Fraternities and Sororities

The University has chapters of 26 national social fraternities and 20 national social sororities on its Knoxville campus. Membership in these fraternities and sororities is by invitation only.

The Fraternities are:

- ACACIA
- Alpha Epsilon Pi
- Alpha Gamma Rho
- Alpha Phi
- Alpha Tau Omega
- Beta Theta Pi
- Chi Phi
- Delta Tau Delta
- Farmhouse
- Kappa Alpha
- Kappa Alpha Psi Colony
- Kappa Sigma
- Lambda Chi Alpha
- Omega Phi Phi Colony
- Phi Delta Theta
- Phi Gamma Delta
- Phi Kappa Psi
- Phi Kappa Tau
- Phi Sigma Kappa
- Pi Kappa Alpha
- Pi Kappa Phi

The Sororities are:

- Alpha Chi Omega
- Alpha Delta Phi
- Alpha Gamma Delta
- Alpha Kappa Alpha
- Alpha Omicron Phi
- Alpha Xi Delta
- Chi Omega
- Delta Delta Delta
- Delta Gamma
- Delta Sigma Theta
- Delta Zeta
- Kappa Alpha Theta
- Kappa Delta
- Kappa Gamma
- Phi Mu
- Pi Beta Phi
- Sigma Gamma Rho
- Sigma Kappa
- Zeta Phi Beta
- Zeta Tau Alpha

Other University Services, Organizations, and Cultural Opportunities

Division of International Education

The Division of International Education, established within the Office of the Vice Chancellor for Academic Affairs, serves as a central point from which the broad range of international and intercultural interests throughout the University are strengthened and related to each other. Located in 206 Alumni Hall, the Division of International Education fosters the development, expansion, and continuation of the University's basic commitment to the international dimensions of the educational process.

Most UK study abroad programs are coordinated through the Division, and new programs are planned with its assistance. Individual counseling for students and faculty by a study, work, and travel abroad consultant, a reference library containing information on all aspects of overseas opportunities, a fellowship/scholarship service, free publications, and information on various programs and projects are available in the Division.

The Division coordinates the International Student Exchange Program (ISEP) for the UTK campus. Through this experimental...
federally funded program, a UTK student can study at one of several outstanding academic institutions abroad for essentially the same cost as that of spending a year of study at UTK.

A new publication of the Division, complementing "Fellowships, Scholarships, and Related Opportunities," is "International Experiences: A Planning Guide for UTK Faculty." It contains information on obtaining grants, locating housing and schooling for dependents overseas, and lists UTK faculty with recent international opportunities. The addition to the information through the University community relative to opportunities for students and faculty to participate in study, research, and other related experiences abroad, the Division supports on-campus international opportunities and serves as a major point of contact between the University and other public and private agencies in the U.S.A. and abroad involved in international program development.

Hearing and Speech Services
The Hearing and Speech Center, located at the corner of Yale Avenue and Stadium Drive, offers complete diagnostic and therapeutic services to all University students with hearing and speech problems. There is no charge for services to University students.

The Center serves as a clinical observation and training facility for students majoring in speech and hearing disorders. It also serves as a community Hearing and Speech Center, providing a prehospital for deaf children, aural rehabilitation, and audiological consultation for the hearing handicapped, and speech and language therapy for persons of all ages who have been professionally referred to the Center.

Services to the Physically Disabled
Services relating to academic programs for students with physical disabilities, whether permanent or temporary, are coordinated by the Office of the Dean of Admissions and Records, 305 Student Services Building. In addition to the Academic Services, the Office of Residence Halls, the Physical Plant Office, the Student Activities Office, and the academic departments, are made to insure that attendance at The University of Tennessee, Knoxville, is as convenient as possible for students with physical disabilities.

These services include assistance during registration preregistration, collection of class schedules, payment of fees, drop and add, the housing of specific physical impairments, elevator keys, tickets for special events; and similar efforts to alleviate the special mobility problems of the students. The Physical Plant Office coordinates efforts to alleviate physical barriers to the degree possible, with priority being given to access and facilities for physically handicapped.

The Office of the Dean of Admissions and Records funds the University workshops, special class sections in order to respond to the physical needs of the physically handicapped.

Vehicle Operation and Parking
The University of Tennessee endeavors to provide adequate traffic control and parking facilities for vehicles being operated by students and staff. Large student parking areas are located on the perimeter of the campus, and the University provides an intracampus bus system between these parking areas and the center of the campus and from the main campus to the agriculture campus. Faculty and staff parking areas are located throughout the campuses.

Each person who operates a motor vehicle in connection with University employment at the University must register that vehicle with the Traffic Services Department. There is no charge for vehicle registration; however, a parking permit is required for parking on all University lots, streets, parking structures, or leased lots. A University Parking Authority determines the parking policy, traffic regulations, and fees, and this information is published each year in the "University Traffic and Parking Regulations." Copies of the regulations will be available at the time students and staff register their vehicles or register for classes each quarter. Additional copies may be obtained from the Traffic Section of the Security Department, located at 1115 UT Drive.

Cultural Opportunities
Both the University and the surrounding Knoxville area offer varied cultural opportunities. Exhibits, concerts, recitals, and lectures as well as plays are available throughout the year.

THEATRE
The UT Theatres, under the aegis of the Department of Speech and Drama, operate several programs of plays and films in two theatre plants—the Clarence Brown Theatre, a $2 million plant using the latest facilities for prosenium staging, open staging, and is divided into two concert groups which tour during the academic year.

All University students are welcome to read parts in plays staged in all of these theatres and participate in aspects of play and film presentations.

FRANK H. MCCLUNG MUSEUM
The Museum in Circle Park stands as a permanent memorial for the display, preservation, and protection of archaeological, natural history, and historical objects, as well as paintings, furniture, decorative arts, and fine art, including exhibits in the Green Memorial Room on the history of Knoxville and East Tennessee.

Fenster Bailey Audigier Collection features paintings, furniture, decorative arts, and souvenirs from various periods through the turn of the century. On exhibit in the Museum, the collection was presented to the University by Louis Bailey Audigier in memory of his wife.

ART exhibitions of international, national, regional, and local artists and craftsmen are presented on a regular basis by the UTK Department of Art in McClung Museum Gallery.

Arts and Crafts
Gatlinburg, Tennessee, is a center for arts and crafts. The University sponsors folk art classes and field trips to Gatlinburg, and students and faculty from the arts and crafts departments have been given classes in the field of craft art who serves as guest lecturer at a University workshop.

The Grace Moore Collection. After the death of opera star Grace Moore, a native of Knoxville, the University purchased memorabilia and was presented to the University by Louis Bailey Audigier in memory of his wife.
The University of Tennessee, Knoxville, encourages athletics as a part of its educational program. Men's intercollegiate sports are directed by the Department of Intercollegiate Athletics. George R. Woodroof, Director, is responsible for all intercollegiate sports administered through the Division of Student Affairs and are under the direction of the Department of Intercollegiate Athletics for Women, Glima Ray, Director.

There are men's teams in football, basketball, cross-country, indoor and outdoor track and field, baseball, wrestling, tennis, and golf. Intercollegiate games are played according to the rules of the National Collegiate Athletic Association (NCAA) and the Southeastern Conference (SEC). Eligibility for participation is determined by the NCAA, SEC, and the University faculty.

There are women's teams in basketball, swimming, tennis, volleyball, cross country, and indoor and outdoor track and field. Intercollegiate varsity games are played according to the rules of the National Collegiate Women's Sports Federation (TCWSF) and the Association of Intercollegiate Athletics for Women (AIAW). Eligibility for participation is determined by TCWSF, AIAW, and the University faculty.

A varied intramural and sports club program is provided for all students. These programs are directed by the Office of Recreation and are housed at the Student Aquatic Center.

NEYLAND STADIUM
Neyland Stadium, the University's football stadium, was named in memory of the late General Robert R. Neyland, longtime football coach and athletic director. Shields-Watkins Field, the football field, is named in honor of William S. Shields, for nearly 30 years a member of the University Board of Trustees, and his wife, Edith Adair Shields. Although constructed and built by the University's Department of Building, Architectural, and Grounds, the stadium period of years, can presently accommodate over 80,000 spectators. Neyland Stadium is Stokely Athletics Center, which houses a 13,000-seat basketball arena and a fine indoor track. Also located here are coaches offices, dressing rooms for all sports, and a Hall of Fame room.

STOEKEY ATHLETICS CENTER
The hub of the University's sports program is Stokey Athletics Center, which houses a 13,000-seat basketball arena and a fine indoor track. Also located here are coaches offices, dressing rooms for all sports, and a Hall of Fame room.

OTHER FACILITIES
The University is proud, too, of its Tom Black Track, host to regional and national meets and built to Olympic specifications. The Student Aquatic Center, with its indoor and outdoor Olympic-size pools, separate diving pools, water polo court, sauna baths, and extensive exercise facilities, is a top spot of interest on the campus. Hudson Field, newly remodeled baseball field and stadium seating 1,500 fans in addition to providing dugouts and press boxes, is one of the best complexes in the conference. Also, new tennis courts afford an excellent vantage point for spectators.

Student Publications
A number of student publications are printed during each school year as sources of information for new students, to record the many events of interest to the campus community, and to record the year's achievements.

The Daily Beacon, a student newspaper, is published daily during the academic year and twice weekly during the summer term. The Beacon is a full-color, tabloid newspaper distributed free of charge at residence halls, student centers, and other places of campus interest.

Traditions
Traditions play an important part in the life of a University student by recapturing the history and heritage of the past and by setting examples for future achievements.

For instance, the Volunteer Symbol, spirit leader to hold their "torch" high, shadowing themselves to give light to others. It is this symbolic "torch" which first gives the new student a glimpse of one of the many traditions at the University.

But traditions at the University may be light-hearted and humorous, among the less serious traditions are three annual all-campus events which have become part of the University way of life. These are the negotiation of homecoming, the lifting and re-lifting of All-Sing, together with the inescapable Carnicus.

Homecoming is a time when former students return to the campus to visit and to renew old friendships. It is also the time when alumni have an excellent opportunity to interview prospective students and to judge the campus.

Among the events in the early 1990s to encourage interest in homecoming groups, features outstanding groups representing both men's and women's groups. Carnicus, which began as a parade and a presentation of a Carnicus Queen, has evolved through the years to the present form of competitive sports built on campus organizations. This entertainment event features skills chosen for their humor, continuity, and perfection of presentation.

The Memorial Research Center and Hospital
The University of Tennessee Memorial Research Center and Hospital is a modern medical facility located just off the Alcoa Highway in Knoxville. The 520-bed general hospital provides patient care and training programs for more than 3,000 residents, medical students, nurses, dietitians, medical technicians, nursing aids, and ancillary health personnel. Out-patient services are available to both residents and UTCHS and UTCH students. A modern medical library is available for student and physician use. The Research Center conducts...
an active and vigorous research program that centers on hematological and oncologic problems. Excellent facilities for animal and laboratory experimentation are available. Postgraduate studies are pursued in cooperation with other life-science departments of the University. Special clinical investigations and the testing of experimental drugs involve both research and hospital staff and facilities. A continuing seminar and conference program presented by hospital and research staff and visiting lecturers serves to acquaint local medical and life-science workers with the most recent scientific developments.

University Publications
The various colleges, departments, and continuing education units composing the University issue many publications dealing with their educational, research, and public service programs. In addition, several publications are issued on a University-wide basis.

The University of Tennessee Record contains the General Catalog, Graduate Catalog, Report on Research, Publications, and Creative Achievements, the President's Report, the Library Development Report, and other publications of a record nature. The Torchbearer, issued four times a year, contains news, pictures, and other information about UT's teaching, research, and continuing education activities and is distributed to alumni, faculty and staff, and friends of the University. Other publications on programs of the institution may also be issued on a University-wide basis in response to requests of the various colleges, departments, and continuing education units. All of the publications are for free distribution.

University publications are under the general supervision of The University of Tennessee, Knoxville, Publications Committee appointed by the chancellor of the University. The operating office for this committee is the Publications Service Bureau, located in the Communications and University Extension Building. Technical services of the Publications Service Bureau are offered to all colleges, departments, and other units of the University system needing assistance with publication design, artwork, copyreading, editing, proofreading, and preparing specifications for printers. These services assist University departments in issuing the highest quality of publications possible within their printing budgets.

Learning Research Center
Recognizing that the learning process is exceptionally complex, the University established the Learning Research Center in 1964. Its primary purpose is to encourage faculty members to utilize the results of research in creating arrangements and conditions for learning. The Learning Research Center publishes the Teaching-Learning Issues quarterly which circulates throughout the University system and on other campuses across the nation.

The University of Tennessee Press
The University of Tennessee Press is the institution's agency for the publication of scholarly books and monographs, non-fiction works of general and regional interest, and specialized textbooks for Tennessee and the Southeast. Manuscripts are solicited from University personnel and other authors. The Press imprint is controlled by an Editorial Board, to which recommendations are made by the director acting with the counsel of scholarly appraisers, and the books are distributed on a sales basis. The Press office is located in the Communications and University Extension Building.

Student Government Association
Composed of the Student Senate, the Academic Council, and the Graduate Student Council, the Student Government Association is the governing body of the students at UT. Some objectives of the S.G.A. are to provide a vehicle for responsible and effective student participation in the organization and operation of student life and to promote the recognition of student rights and responsibilities.

The president of the student body serves as chairperson of the Student Senate while the vice president administers the student services staff (including the Legislative Interest Group, communications staff program, and voter registration). Student Senate members are elected in the spring quarter to represent geographical areas of the campus as well as various student organizations. The Academic Council and Graduate Student Council representatives are elected from the academic colleges and graduate student programs, respectively. Offices of the S.G.A. are located in room 341 of the University Center.
The University of Tennessee, Knoxville, offers a graduate program which is one of the largest and most comprehensive in the nation. Courses of study leading to master's degrees are available in almost all colleges and schools. The University's present doctoral programs were initiated about 40 years ago and have expanded rapidly, with doctoral degrees presently offered in 47 areas. Additional fields are being added as warranted by expanding faculty and facilities.

The principal aim of the Graduate School is that of education beyond the bachelor's level through advanced courses, seminars, and research. The total resources of the University are made available to graduate students through its various colleges, schools, and special services. Each student is expected to take full advantage of the opportunities offered in the field of study and to maintain a high quality of achievement in the various phases of the program. To assist the student, certain procedures and regulations are described in subsequent paragraphs. These are formulated by the Graduate Council and administered by the Vice Chancellor for Graduate Studies and Research. The program of an individual student may be quite flexible, but should fit within the framework of the degree programs approved by the Council. Each student should be acquainted with the rules and procedures, as well as with any special requirements of individual colleges or departments.

General Information

Knoxville campus. The main and most varied offerings of the Graduate School are available at this Knoxville campus. Students who enroll in advanced study at both the master's and doctoral level is provided in almost every college. More limited opportunities may be found at other locations as indicated below. Complete information concerning the Graduate School may be found in the Graduate Catalog, copies of which may be obtained by writing the Vice Chancellor for Graduate Studies and Research, The University of Tennessee, Knoxville, Tennessee 37916.

The University of Tennessee Space Institute. Opportunities for graduate study and research leading to the degrees of Master of Science and Doctor of Philosophy in certain areas of engineering and science are offered by the Space Institute located adjacent to the Arnold Engineering Development Center, Tullahoma, Tennessee. At the present time, graduate degree programs are available with a major in aerospace engineering, aviation systems, computer science, electrical engineering, engineering administration, engineering science, mathematics, mechanical engineering, metallurgical engineering, and physics. In addition to the fundamental academic work characteristic of each discipline, research opportunities and supporting interdisciplinary course work are available to permit specialization in many aspects of atmospheric and space flight such as subsonic to hypersonic aerodynamics, aerospace vehicle designs, control and guidance, modern materials and structures, propulsion systems, aircraft noise and sonic boom, flight simulation, avionics, plasma dynamics, range diagnostics including spectroscopic and electrooptic means, and systems management. Work is also in progress in remote sensing and gasodynamic power generation of coal utilization. Courses and research work in related areas of environmental pollution control, earth resources, energy conversion, materials and systems, and simulation are also available. The research personnel and facilities of the Institute and those available at the Arnold Center through appropriate contractual arrangements provide an outstanding opportunity for meaningful research in these and other areas. Students who enroll in UT's Oak Ridge Institute, The University of Tennessee, Knoxville, offers additional fields are being added as warranted by expanding faculty and facilities.

Further Information

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The Graduate School of The University of Tennessee, Knoxville, offers graduate programs in science, engineering, and business at both the master's and doctoral levels. The program is operated within the policies set by the Graduate Council of The University of Tennessee, Knoxville, and is administered by the Vice Chancellor for Graduate Studies and Research. It is coordinated with the undergraduate offerings of East Tennessee State University. Students who enroll in this program must be admitted to the Graduate School of The University of Tennessee, Knoxville.

Information and appropriate application forms may be obtained from the Director, Kingsport University Center, The University of Tennessee, 1 University Boulevard, Kingsport, Tennessee 37660.

Oak Ridge Resident Graduate Program.

The University of Tennessee, Knoxville, offers graduate study programs at Oak Ridge, with work leading to the master's degree in business administration with a concentration in management, industrial education, and statistics; and the master's and doctoral degrees in the areas of engineering, mathematics, and physical and biological sciences. Courses are given in the late afternoons, evenings, and Saturdays, with research facilities provided by and used in cooperation with the Oak Ridge Associated Universities and the Union Carbide Corporation Nuclear Division.

This program is supported under a subcontract with Oak Ridge Associated Universities with principal support coming from Union Carbide Nuclear Division. The University of Tennessee is one of the 43 universities which sponsor ORAU, a non-profit education and research management corporation. Information and applications to the

L. Evans Roth, Vice Chancellor for Graduate Studies and Research
Clarence W. Minket, Dean for Graduate Studies
Carl O. Thomas, Dean for Research

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The Graduate School, University of Tennessee, Knoxville. Information concerning this program may be obtained from the Director, Chattanooga Graduate Engineering Program, The University of Tennessee, Chattanooga, Tennessee 37401.

Opportunities for graduate study leading to the degree of Master of Science in areas of civil engineering, engineering administration, and industrial engineering are offered by The University of Tennessee, Knoxville, and are administered by the Vice Chancellor for Graduate Studies and Research.

Student assistantships and fellowships are provided, and tuition and maintenance fees are paid by the University. Successful applicants need better than an overall 3.0 grade point average and high scores from the Graduate Record Examination or the Graduate Management Admission Test. Application packets are available in the Graduate Office from November 1st through February 15th. Completed applications including all required supporting material, must be submitted to the Assistant Director of Graduate Admissions by February 1st. Information concerning these types of assistance may be secured by writing to the head of the department in which the student expects to study.

Information concerning admission and programs may be obtained from the Dean of the School of Social Work, The University of Tennessee at Chattanooga, Tennessee 37401.

The University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, The University provides programs leading to the M.S. and Ph.D. degrees in various areas of biomedical sciences. Graduate students have the opportunity to study and do research in conjunction with the Biology Division of the Oak Ridge National Laboratory. Information concerning this program is available from the Director, The University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, Biology Division, Oak Ridge National Laboratory, Box Y, Oak Ridge, Tennessee 37830.

**Majors and Degrees Available**

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### Majors and Degrees Available

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*All M.S. and Ph.D. applicants obtain special application form from Associate Dean, College of Home Economics.*

*3-Former professors*

*3-Departmental rating forms*
Graduate School of Biomedical Sciences (193)

W. E. Barnett, Director
R. E. Preston, Associate Director

Full-Time Faculty

Professors:
- D. Billen, Ph.D. Tennessee
- D. E. Olins, Ph.D. Rockefeller

Associate Professors:
- F. H. Gaertner, Ph.D. Purdue
- F. D. Hamilton, Ph.D. Pittsburgh

Assistant Professor:
- N. W. Revis, Ph.D. University of Glasgow (Scotland)

Research Assistant Professor:
- C. T. Hadden, Ph.D. Washington

The University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, established in 1966 under the joint auspices of The University of Tennessee and the Biology Division of Oak Ridge National Laboratory, is a novel venture in scientific graduate education. The National Laboratory, one of the three installations operated at Oak Ridge by Union Carbide Corporation for the Department of Energy, is a well known center of basic research in biology, chemistry, physics, mathematics, metallurgy, health physics, and ecology. The laboratory utilizes the staff and facilities of this large federal research institute, thus bringing directly into the mainstream of full-time graduate study in the life sciences the talent and experience of that staff, as well as the most advanced research methods and technology.

The program of study, which incorporates a high faculty-to-student ratio, is based on intensive graduate courses supplemented by tutorial instruction, participation in a wide variety of seminars, and a heavy emphasis on research training and independent study. The program encourages and requires students, through individual initiative and self-discipline, to pursue graduate studies to the limits of their abilities. The school is not departmentalized, and apart from certain basic requirements, each student's curriculum is planned to meet individual needs, with the aim of giving:

1. Strength in the basic sciences;
2. Perception of the biomedical sciences as a whole; and
3. Experience and training in a chosen specialty.

The research areas available for master's and Ph.D. thesis work are biochemistry, biophysics, carcinogenesis, genetics, and cellular, developmental, and mammalian biology. Included are such subjects as immunology, protein and enzyme chemistry, nucleic acid chemistry, cytology, radiation and environmental biology, virology, developmental biology, experimental pathology, microbial and mammalian genetics, mutagenesis, and problems of aging.

The Graduate School of Biomedical Sciences publishes supplementary information in addition to the regular Graduate Catalog. All inquiries concerning admission should be addressed to: Director, The University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, Biology Division.
A program of study leading to the degree of Master of Science is offered in engineering administration, aimed at preparing individuals for line-management positions in construction, design, development, and manufacturing where both technical and nontechnical factors exert significant influence on the success of a given activity.

The program is designed to provide the student with an opportunity for indepth study of any of the following areas of business administration:

- Students with such interests are advised to consult with the department offering the course upon admission to the Graduate School.
- The program is aimed at providing education for graduate engineers in the organization and direction of work in engineering functions, at a level which requires understanding of such areas as marketing, financial, and industrial relations. It is emphasized that this is an engineering program, aimed at preparing individuals for line-management positions in construction, design, development, and manufacturing where both technical and nontechnical factors exert significant influence on the success of a given activity.

The program provides for in-depth study of any of the following areas of business administration. Students with such interests are advised to consider graduate programs available in the College of Business Administration.

To be admitted to the Graduate School as a potential candidate for a master’s degree with special regard to industrial engineering administration, the applicant must submit irrefutable evidence of ability to pursue graduate studies at an acceptable level of performance. In general, the student must have graduated from a recognized undergraduate institution in engineering with a satisfactory grade point average. In addition, applicants must satisfy one of the following requirements:

1. At least two years of engineering experience after graduation if a full-time student, or
2. Current employment in engineering work if a part-time student.

THE MASTER’S PROGRAM

Minimum requirements for the master’s degree are the satisfactory completion of the following courses:

1. An Engineering Core, 27 hours of graduate credit consisting of advanced coursework, 5110, 5200, and 5210, and a complement of examining coursework not selected from the student’s undergraduate major department or from courses of other departments pertinent to this program.

2. A Business Administration Core, 15 hours of graduate credit consisting of Accounting 5020, Finance 5010, Marketing 5100, Management 5130, and either Business Law 5010 or Transportation 5210.

3. Course prerequisites for the program include a level which requires understanding of such areas as marketing, finance, and industrial direction of work in engineering functions, at a level which requires understanding of such areas as marketing, financial, and industrial relations. It is emphasized that this is an engineering program, aimed at preparing individuals for line-management positions in construction, design, development, and manufacturing where both technical and nontechnical factors exert significant influence on the success of a given activity.

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1. At least two years of engineering experience after graduation if a full-time student, or
2. Current employment in engineering work if a part-time student.