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 advisor, head of major department, College Advising Center, or dean of college/school
Fees and Tuition — Office of the Treasurer

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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.

UT Knoxville 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 Educational Amendments of 1972, Public Law 92-318; and Section 504 of the Rehabilitation Act of 1973, Public Law 93-112, respectively. This policy extends both to employment by and admission to the University.

In accordance with the Tennessee College and University Security Information Act of 1989, the University of Tennessee, Knoxville has prepared a report containing campus security policies and procedures, data on campus crimes, and other related information. A free copy of this report may be obtained by any student, employee, or applicant for admission or employment from the Office of the Dean of Students; 413 Student Services Building; UT Knoxville; Knoxville, TN 37996-0248.

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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

R.B. Hailey, Sevierville First 1984 June 1, 1993
William B. Sansom, Knoxville Second 1986 June 1, 1995
James L. Moore, Jr., Chattanooga Third 1988 June 1, 1994
William M. Johnson, Sparta Fourth 1975 June 1, 1996
Marcia Austin Echols, Nashville Fifth 1979 June 1, 1991
Amon Carter Evans, Columbia Sixth 1984 June 1, 1993
Jack V. Dalton, Parsons Seventh 1988 June 1, 1994
Ben S. Kimbrough, Clarksville Seventh 1990 June 1, 1990
Tom Elam, Union City Eighth 1956 June 1, 1990
Ronald Terry, Memphis Ninth 1986 June 1, 1995

From Anderson, Bedford, Coffee, Franklin, Lincoln, Moore, and Warren Counties
J. Steven Ennis 1988 June 1, 1994

From Davidson County
Michael Graves 1984 June 1, 1993

From Hamilton County
Paul J. Kinser 1959 June 1, 1966

From Knox County
Donelson M. Leake 1989 June 1, 1995
James A. Haslam, II 1980 June 1, 1989

From Shelby County
Sam Cooper 1981 June 1, 1990
Jack J. Craddock 1981 June 1, 1990

From Weakley County
James F. Harrison 1981 June 1, 1990

Student Member
Christopher C. Bridges 1989 July 1, 1990

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William M. Johnson, Vice Chairman
Lamar Alexander, President
Charles M. Peccolo, Jr., Treasurer
Beauchamp E. Brogan, Secretary
Linda Logan, Assistant Secretary

THE UNIVERSITY OF TENNESSEE
Administration and Service

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Emeritus Vice Presidents for Academic Affairs, Kenneth L. Knickerbocker, A.B., A.M., Ph.D.; John W. Prados, B.S., M.S., Ph.D.
Emeritus Vice President for Business and Finance, W. Harold Read, B.S., M.B.A., CPA
Emeritus Treasurer, Brodie Baynes, B.S., CPA
ACADEMIC CALENDAR FOR 1990-91

FALL SEMESTER, 1990

August 22 Classes Begin
September 3 LABOR DAY HOLIDAY
October 5 Fall Break
November 22-23 THANKSGIVING HOLIDAYS
December 5 Classes End
December 6-7 Study Period
December 8-13 Final Examinations
December 15 Commencement

SPRING SEMESTER, 1991

January 9 Classes Begin
January 21 MARTIN LUTHER KING, JR. HOLIDAY
March 18-22 SPRING BREAK
March 29 HOLIDAY
April 29 Classes End
April 30-May 1 Study Period
May 2-7 Final Examinations
May 10 Commencement

SUMMER TERM 1991

May 30 Classes Begin
July 3 First Session Ends
July 4 INDEPENDENCE DAY HOLIDAY
July 5 Second Session Begins
August 7 Second Session Ends
August 9 Commencement
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<td>Korean Campus Ministries</td>
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<td>C.E. Brehm Animal Sciences</td>
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<tr>
<td>College of Veterinary Medicine</td>
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<td>Dairy Products</td>
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<tr>
<td>Alpha Epsilon Pi</td>
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<tr>
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THE UNIVERSITY OF TENNESSEE, KNOXVILLE

Administrative Officers

Chancellor, John J. Quinn, B.S., Ph.D.
Executive Assistant to the Chancellor, Joseph B. Trahern, Jr., B.A., M.A., M.A., Ph.D.
Vice Provost, Hardy Liston, Jr., B.S., M.E.A.
Vice Provost, Ralph V. Norman, Jr., A.B., B.D., M.A., Ph.D.
Vice Provost and Dean of the Graduate School, C.W. Minkel, B.A., M.A., Ph.D.
Vice Provost for Research, Thomas C. Collins, B.S., M.S., Ph.D.
Vice Chancellor for Student Affairs, Philip A. Scheurer, B.A., M.S.
Associate Vice Chancellor for Student Affairs, Bert E. Sams, B.S., M.S.

General Administrative Officers

Athletics, Director, Doug Dickey
Finance, Director, Harold B. Whitehead, B.S., C.P.A.
Physical Plant, Director, John C. Parker, B.S.
Student Affairs:
Admissions and Records, Dean, Gerald Bowker, B.A., M.A.
Career Planning and Placement Service, Director, Robert Greenberg, B.A., M.S., Ed.D.
International Student Affairs, Acting Director, James N. Gehlhar, B.A., Ph.D.
Intercollegiate Athletics for Women, Director, Joan Cronan, B.S., M.S.
Registrar, Bob Cochran, B.S.
Student Conduct, 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.

Other Educational and Public Service Units

Libraries
Dean, Paula Kaufman, A.B., M.S., M.B.A.

Colleges and Schools

AT KNOXVILLE

Institute of Agriculture
Dean, College of Agriculture, O. Glen Hall, B.S., M.S., Ph.D.
Dean, College of Veterinary Medicine, Acting Dean, Michael Shires, B.V.S.C.; M.S., M.R.C.V.S.
School of Architecture
Dean, John William Rudd, B.A., M.A.
College of Business Administration
Dean, C. Warren Neel, B.S., M.B.A., Ph.D.
College of Communications
Dean, Untitled
Division of Continuing Education
Dean, Untitled
College of Education
Dean, Richard Wisniewski, B.S., M.E.D., Ed.D.
College of Engineering
Dean, William T. Snyder, B.S., M.S., Ph.D.
College of Human Ecology
Dean, Jacquelyn DeJonge, B.S., M.A., Ph.D.
College of Law
Dean, Marilyn Yarbrough, B.A., J.D.
College of Liberal Arts
Dean, Lorman Ratner, A.B., M.A., Ph.D.
Graduate School of Library and Information Science
Acting Director, Gary Purcell, A.B., M.A., M.L.S.
College of Nursing
Dean, Sylvia E. Hart, B.S.N., M.S.N., Ph.D.
School of Planning
Director, James A. Spencer, B.S., M.C.P.
College of Social Work
Dean, Eu nice Shatz, B.A., M.S.S.A., Ph.D.
Independent Departments
Air Force Reserve Officers’ Training Corps Professor of Air Science, Lt. Colonel Rex Jones, USAF
Army Reserve Officers’ Training Corps Professor of Military Science, Lt. Colonel, Hugh E. Howard, USA

AT OAK RIDGE

Oak Ridge Graduate School of Biomedical Sciences
Acting Director, Raymond A. Popp, B.S., A.M., Ph.D.

AT TULLAHOMA

Space Institute
Dean, Wesley L. Harris
The University

The University of Tennessee, Knoxville is the state's "campus of excellence" in undergraduate, graduate, and professional studies; research and creative activity; and public service.

The University offers more than 300 degree programs to its 25,000 students, who come from every county in Tennessee, every state in the nation, and more than 90 countries.

The faculty and staff of UT, Knoxville are constantly working to enhance the quality of students' educational experiences, using information from student tests and surveys to improve teaching and student services. Recent improvements at the undergraduate level include an increased emphasis on advising and better training of graduate teaching assistants.

In 1988, the University moved from the quarter system to a semester system, giving teachers and students more time for special class projects. As part of the move, the faculty carefully examined each course to ensure its relevance to a changing world.

Developments in graduate education have been accompanied by expanded cooperation with Oak Ridge National Laboratory (ORNL) and the Tennessee Valley Authority and by growth of major research programs, including those in the fields of energy, biotechnology, and robotics.

The Science Alliance is the largest in Tennessee's Centers of Excellence program for higher education. The Science Alliance's Distinguished Scientist Program, designed to strengthen cooperative instructional and research activities, attracts many eminent scientists to joint appointments at UT, Knoxville and ORNL.

The University's libraries, with more than two million volumes and volume-equivalents, enhance an educational program dedicated to keeping pace with a changing society. A 350,000-square-foot library in the center of the campus meets student and faculty research space needs and incorporates the latest advances in computer and automation technology.

Through public service activities, the University extends its resources throughout the state and nation. Continuing education programs, offered in more than 40 locations across Tennessee, respond to the needs of working adults who are seeking college degrees or preparing for career advancement.

HISTORICAL BACKGROUND

The University of Tennessee, one of the nation's oldest institutions of higher education, traces its origins back to 1794—when George Washington was President of the United States. Two years before statehood was achieved, the Legislature of the Federal Territory which later became Tennessee granted a charter to Blount College, named in honor of William Blount, territorial governor. Located near the center of Knoxville's present business district, Blount College was non-sectarian in character, which was unusual for an institution of higher education in that day. The University has remained non-denominational and is said to be the oldest such institution west of the Appalachian Divide.

From 1800 to 1804, Blount College admitted women as students, thus becoming the first coeducational college in the United States. The institution later restricted enrollment to men, but reestablished its coeducational status in 1832.

In 1807 the state legislature changed the institution's name to East Tennessee College, and in 1826 the present site at Knoxville, the 40-acre tract known as "The Hill," was acquired. The college's name changed again in 1840—to East Tennessee University. The Civil War forced the institution to close, and its buildings were used as a hospital for Confederate troops and later occupied by Union troops.

East Tennessee University reopened after the war, and in 1869 the state legislature established the University as a private institution, became part of the University of Tennessee. Their support has shown an active interest in the development of the University and its services. The medical campus, founded in Nashville and acquired by the University in 1879, was moved to Memphis in 1911. The Martin campus, established in 1900 as a private institution, became part of the University of Tennessee in 1927. A fourth primary campus was established in Chattanooga in 1969 when the University of Chattanooga merged with the University of Tennessee. The University's Nashville Center, established in 1947, became the fifth primary campus in 1971, but six years later merged with Tennessee State University.

The Agricultural Extension Service, with district offices in Chattanooga, Cookeville, Jackson, Knoxville, and Nashville, has agricultural extension leaders and agents in each of Tennessee's 95 counties. There are 15 Agriculture Experiment Stations located across the state.

In 1968, the University's Board of Trustees reorganized the five-campus institution into a University system, giving a central administrative staff responsibility for statewide functions of the University. Each primary campus came under the administrative direction of a chancellor.

State legislatures and governors, particularly those of the past half century, have shown an active interest in the development of the University of Tennessee. Their support has helped the University broaden and strengthen its efforts to meet the educational, research, and service needs of the people of Tennessee through programs which have earned national and international recognition.
STUDENT AFFAIRS AND SERVICES

ACADEMIC COMMON MARKET

The Academic Common Market is an interstate agreement among Southern states for student fee purposes. Participating states are able to make arrangements for their residents who are fully admitted to specific programs at UT, Knoxville on an in-state tuition basis, where these programs are not available in the state of enrolling states in the Academic Common Market are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia. Twenty doctoral, one Specialist in Education, twenty-seven Master's, and thirteen Bachelor's programs at UT, Knoxville are approved by the Academic Common Market for residents of these states to enroll at in-state tuition rates.

Residents of one of the member states who seek further information should contact the Office of Graduate Admissions and Records of the Southern Regional Education Board, 592 Tenth Street, N.W., Atlanta, GA 30318-5790.

ANNUAL FACULTY PHI KAPPA PHI LECTURES


ATHLETICS

The University of Tennessee, Knoxville, encourages athletics as a part of its educational program. Men's intercollegiate sports are directed by the Division of Student Affairs and are under the direction of the Department of Intercollegiate Athletics for Women. Women's intercollegiate sports are administered through the Department of Athletics and Recreation. There are men's teams in basketball, swimming, tennis, volleyball, cross country, indoor and outdoor track and field, baseball, softball, and golf. Women's intercollegiate sports are also available. Intercollegiate varsity games are played according to the rules of the NCAA, the SEC, and the University faculty. Any full-time female undergraduate student is eligible to try out. Additional information can be obtained by writing to the Director of Women's Athletics, 115 Stokely Athletics Center.

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.

THOMPSON-BOLING ASSEMBLY CENTER AND ARENA

Thompson-Boling Assembly Center and Arena opened its doors in December, 1987. The enormous facility, which seats 24,555, is home to the UT men's basketball team and hosted the 1985 NCAA Final Four to the University of Tennessee. There are men's teams in football, basketball, soccer, volleyball, gymnastics, tennis, and golf. The stadium, built and developed by the Department of Athletics over a period of years, can now accommodate over 91,110 spectators, largest in the South.

OTHER FACILITIES

Tom Black Track is host to regional and national meets and is built to Olympic specifications. Hudson Field, baseball field and stadium seats 1,500 fans in addition to providing dugouts and press box facilities. New tennis courts also afford an excellent vantage point for spectators.

BLACK CULTURAL CENTER

The Center represents one effort by the University to promote awareness of the nature of the Black experience and the contribution of Black America to the national past. The Center seeks to fulfill this role through a variety of programs and activities. Typical of its cross-campus work is sponsorship of Black History Month activities and the Black Arts Festival. Within the Center itself exhibits related to the African-American past, small talk shows, group study sessions, and a tutorial program aimed especially at minority students are a few of the ongoing activities.

The Center is located at 812 Volunteer Boulevard. All activity community are invited to visit this location and utilize the opportunities provided by the Center for increased knowledge about the Black experience.

CAREER SERVICES

Career Services helps students through individual and group assistance to choose a major, assess career alternatives, find employment, and make a successful transition from the University to the world of work. The Service is especially well-known for its effective placement help which includes on-campus recruitment, job referrals, and other sources of job contacts.

Included in the services offered at Career Services are two computer-aided career guidance programs, DISCOVER and the Strong Interest Inventory. With DISCOVER, and Careers, a one credit course designed to help with choosing a major, a CAREER RESOURCE CENTER that includes a comprehensive collection of career-related books, magazines, articles, and forms; CAREER Enquirer, a newspaper published each fall with the latest information about careers and the job market; COOPERATIVE EDUCATION, a program for alternating terms of school and full-time work experience for non-engineering majors; CAREER CARNIVAL, an annual career fair providing opportunity to speak informally with representatives from 80-100 different companies about their entry level jobs and hiring practices; an ANNUAL SUMMER JOB FAIR and a biweekly SUMMER JOBS NEWSLETTER sent to interested students upon request.

Also available are a GRADUATE SCHOOL INFORMATION DAY and NURSING CAREER DAY: EMPLOYER INFORMATION which includes types of majors sought, job descriptions, career profiles, annual reports, and other pertinent information for hundreds of companies that recruit at UT; WORKSHOPS providing instruction in skills and tactics for successful interviewing, resume preparation, finding a job, and other topics; CREDIT COURSES, including Business Career Planning & Placement, Job-seeking Skills for Non-technical Majors, the Job Search, and Exploring Majors and Careers.

ON-CAMPUS INTERVIEWS are scheduled during the senior year, and require an on-campus interview with prospective employers. There are approximately 375 companies, government agencies, and school systems; JOBS NEWSLETTER published biweekly—one for positions in education and one for business, industry, and government. An ALUMNI PLACEMENT SERVICE offers assistance in the job search after graduation and is available for professions requiring documentation of career-related experiences along with letters of recommendation.

For information regarding Career Services call 974-2435.

CENTER FOR INTERNATIONAL EDUCATION

(International students interested in applying to UT, Knoxville should consult the requirements listed in the International Student Applicants section of this Catalog, or for graduate studies, the Graduate Catalog.)

The goal of the Center for International Education, 201 Alumni Hall, is to promote and facilitate the internationalization of the UT, Knoxville campus, curriculum and community. It assists students and faculty from other countries with matters of particular concern to them during their stay in the United States. It provides advice concerning visas and with the U.S. Immigration and Naturalization Service (INS). The Center is the University's official representative to INS, to international educational organizations, and to foreign governments. It maintains current records on all UT, Knoxville-related U.S. visa holders.

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 NCAA and the SEC. Eligibility for participation is determined by the NCAA, the SEC, and the University faculty. Any full-time female undergraduate student is eligible to try out. Additional information can be obtained by writing to the Director of Women's Athletics, 115 Stokely Athletics Center.

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For information regarding Career Services call 974-2435.
The Center serves as a liaison with international students and scholars and the faculty and other University units. It assists with adjustment through orientation programs required of all new international students at the beginning of each fall term, and through individual advising and counseling on personal and academic matters.

The Center's International House, 1515 Cumberland Avenue, provides a rich array of programs intended to bring together members of the international and the U.S. communities to share their cultures and customs and to learn of those of others. At the I-House English language classes are available for spouses, seminars of international interest are taught, and area volunteers work for intercultural communication and mutual understanding.

The Center also serves students and faculty interested in travel, work or study abroad. Staff are available to advise, to assist in the preparation of fellowship/scholarship applications, and to provide information on a broad range of international topics. A reference library of overseas study and travel materials, scholarship and other special programs intended to serve those with international interests is at the Center. International exchange programs through which enrollment at more than 50 universities throughout the world becomes possible and affordable for UT, Knoxville students are available. The phone number of the Center is: (615) 974-3177. Telex: 6503340787 via WUI.

COMPUTING CENTER
The University of Tennessee Computing Center (UTCC) provides computing facilities and services for the University's teaching, research, public service and administrative activities. UTCC offices and principal computing facilities are located on the first two floors of Stokely Management Center (SMC) and on the third floor of Dunford Hall.

Student accounts for use in coursework are requested by the department through which the course is offered. Faculty and staff members request UTCC accounts by completing a request for computing services. Each UTCC account is assigned a consultant who is available to assist students about UTCC resources and to assist in accessing the UTCC library of computer programs. The Computer Access for Education (CAFE) program provides every UT, Knoxville student the opportunity to gain computing experience through an individual UTCC account.

Noncredit short courses covering levels of computing from personal computing to super computing are taught throughout the year. Topics include programming languages, job control language, vector processing, the use of graphics, and the statistical and mathematical programs available at UTCC. Many courses are available on videotapes in Audiovisual Services in the John C. Hodges Library. Short courses are announced in the UTCC Newsletter and other UT, Knoxville publications, including the "Campus Capsule" section of the UT Daily Beacon, and Context.

UTCC maintains online and printed documents describing the availability and use of system hardware and software. The IBM User's Guide, the VAXcluster User's Guide, and the GraphX User's Guide, are available at the UT Book and Supply Store. The monthly UTCC Newsletter announces systems, equipment, and procedural changes and contains other items of interest to users.

UTCC maintains 20 user work areas on the Knoxville campus, including locations in five residence halls, for interactive computing and submission of batch processing. Seven of the areas provide high speed line printing; four also provide laser printing. Computing services to the other UT campuses are supplied through remote links. UTCC maintains more than 160 microcomputers, including several models of both Apple Macintosh and IBM, in remote user work areas and microcomputer laboratories.

The UTCC network is connected to the Internet which provides access to other Internet sites such as those on ARPANET and MILIENet via the Southeastern University Research Association Network (SURAnet). SURAnet connects to the National Science Foundation Network (NSFNET) which joins other state and regional networks as well as directly connecting four NSF supercomputing centers: The Cornell National Supercomputing Facility, The National Center for Supercomputing Applications at the University of Illinois, the Pittsburgh Supercomputing Center, and the University of San Diego Supercomputer Center. UTCC is also a member of BITNET, a network of more than 2100 computers located at educational and research institutions throughout North and South America, Europe, and Asia.

CULTURAL OPPORTUNITIES

THEATRE
The University of Tennessee Theatre consists of the Clarence Brown Theatre Company and the University Company.

The Clarence Brown Theatre Company is the professional theatre company in residence at the University of Tennessee, Knoxville. Founded in 1974 by Anthony Quayle and Ralph G. Allen, the Clarence Brown Theatre Company is a member of the League of Resident Theatres (LORT) and Theatre Communications Group, Inc.

The University Company has, under various titles, been staging productions since the late 1930s, using UT students and faculty as well as talent from the Knoxville Community.

In addition to these companies, the Department of Theater sponsors ACT (All Campus Theatre), a student organization whose aims are to provide educational opportunities in theatre, to assist in UT Theatre's production activities, to provide students with a forum, social activities and assistance, and to sponsor their own productions as time, man power, interest, and space permit.

The professional and university companies perform in the Clarence Brown Theatre and the Carousel Theatre. The Clarence Brown Theatre was built in 1970, and includes the 600-seat main auditorium with a proscenium stage, and the Studio Theatre, a 125-seat Proscenium Theatre, which is also home to the costume, lights, and scene shops and box office.

The Carousel Theatre is an arena theatre constructed in the early 1950s. Originally a tent theatre, the Carousel Theatre provides intimate surroundings for smaller and contemporary works. The seating is flexible, accommodating 350 to 500 patrons.

The season runs from September through June, and features a combination of student/faculty and professional productions. A primary series of six shows is complemented by a series of two to three contemporary productions. The Department of Theatre also hosts an annual residency of an international theatre company and several international artists.

FRANK H. MCCLUNG MUSEUM
Officially dedicated in 1963, the McClung Museum is actively involved in the collecting, preservation, and exhibition of objects in the fields of anthropology, archaeology, decorative and fine arts, medicine, local history and architecture, geological sciences and natural history.

Temporary and permanent exhibitions are presented on those subjects. The Eleanor Deane Audigier Art Gallery exhibition features a select number of original and limited edition prints and objects from various periods through the turn of the century. Archaeological specimens, some as old as 12,000 years, that have been recovered during the University's extensive excavations in the Tennessee River Valley are included in a major exhibition The American Indian in Tennessee. The Museum's comprehensive medical collection is reflected in the exhibit Late 19th-early 20th Century Medical Practices in East Tennessee. Some aspects of the geological sciences and the natural history of Tennessee are explored in an exhibition on the main floor. Exhibits on the history of Knoxville, the University and East Tennessee are located in the Green Memorial Room. Changing temporary lobby exhibits and other displays are installed throughout the year.

ART
Art exhibitions of international, national, regional, and local artists and craftspeople are sponsored on a regular basis by the UT, Knoxville Department of Art in the Ewing Gallery of Art and the College of Communication, located on the ground floor of the Art and Architecture Building. The outdoor Sculpture Tour displays sculpture at various locations on campus. The sculptures are replaced each year with new works by artists of regional and national reputation.

Arrowmont School of Arts and Crafts, a UT, Knoxville affiliate located in Gatlinburg, Tennessee, displays works by faculty and students during the summer months.

Christmas Art Sale is an annual event sponsored by the Department of Art and held in the Art Gallery of the Museum in early December. Students, faculty, and regional artists display handmade and purchased work for purchase in time for Christmas. Numerous art exhibitions are scheduled in the Art Gallery throughout the year.

The E. Dunford Art Collection and the Marian G. Heard Crafts Collection are housed and exhibited in the University Center. These collections are supplemented each year with purchases made possible through student programs. Acquisitions of works by area artists are emphasized by the selection committee.

MUSIC

UT Choral Groups consist of Concert Choir, University Chorus, Women's Chorale, Chamber Singers, and UT Singers. These choirs are open to all students by audition, except University Chorus which does not require auditions.
UT Singers are known as the University’s “Good Will Ambassadors.” Among the many projects of this group are the annual statewide tour each spring.

UT Opera Theatre and Workshop presents three performances yearly. The varied program of operatic music ranges from one-act to complete three-act operas with symphonic accompaniment, and from television opera to selected scenes from the classic repertory.

UT Symphony Orchestra plays concerts on campus yearly as well as serving as orchestra for opera and choral productions.

UT’s marching band, celebrated as “The Pride of the Southland,” presents outstanding entertainment on football Saturdays at both home and away games.

During winter and spring, the band is divided into two concert groups which tour the South: a variety pep band that performs at basketball games, and the touring band group which provides valuable training for its members.

Requests for information on scholarships and memberships should be sent to the Director, Pride of the Southland Band.

WUOT, 91.9 FM, Knoxville, serves East Tennessee with news, information, and programs of cultural interest. WUOT broadcasting majors serve as announcers, news writers and reporters, producers, and account executives. The station is programmed as an album-oriented rock music station and is located at 90.3 on the FM band. The target audience for the station is the student population of UT, Knoxville. Studios are located at P-103 Andy Holt Tower.

WUTK-AM is a 5,000 watt day-time AM station located on the UT campus. The station is licensed to the Board of Trustees of the University of Tennessee and operated by the Department of Broadcasting. Advanced broadcasting majors serve as announcers, news reporters, and music directors. The station is an ALL NEWS station broadcasting news from CBS Radio, CNN Radio, the Tennessee Radio Network, and local and regional news. The station serves all of East Tennessee with news and information. Studios are located in P-103 Andy Holt Tower.

DEAN OF STUDENTS OFFICE
This office coordinates the operation and activities of the following units: University Center, Recreation, Student Activities, Student Conduct, Orientation, Handicapped Student Services, Student Publications, Fraternity and Sorority Life, and works to develop new and effective programs for the campus community.

THE EDUCATIONAL ADVANCEMENT PROGRAM
The Educational Advancement Program (EAP) is a federally funded project (Special Services for Disadvantaged Students) designed to help freshman and sophomore students who may, because of previous academic weaknesses or disadvantages, have difficulty in achieving academic success during their initial University experience. The program offers specially designed courses in mathematics, biology, and university studies. The opportunities include small classes, the availability of the professor, individual help, special help sessions, individual and small-group tutors, self-paced course materials, and academic advising each term, and both academic and personal counseling services.

The Educational Advancement Program can help you achieve success as a student at UT. We provide a strong foundation in personal assistance in academic background knowledge and skills. We offer a wide range of courses and enrichment services for freshman and sophomore students. These include: Academic Advising - accurate, personal, thorough.

Special Course Sections - smaller, more individualized

English 103, 104 - Writing Workshop
Mathematics 110 - Algebraic Reasoning
110 - Precalculus; 121 Calculus
University Studies 101 - Freshman Seminar

BIOLOGY 110, 120 - General Biology
University Studies 101 - Freshman Seminar

Counseling - assistance with questions, liaison with other offices, referrals to campus resources.

FOOD SERVICE FACILITIES
Excellent University-operated food service facilities are air-conditioned, conveniently located in relation to the residence halls, and serve nourishing food at reasonable prices. The University recognizes the educational role that its food service facilities play in student life and group living. The Food Services Department employs a skilled dietary and management staff to insure that the student gets the highest quality meal at the lowest possible cost.

Board and room meal arrangements offer the best combination of balanced, nutritious meals, carefully prepared and served at a reasonable charge to the student. Meal plan arrangements are Seven Day meal plan, meals Monday-Sunday noon and Five Day plan. For students not under the Board Plan, meals can also be obtained from cafeterias operated on a cash basis.

The Food Services Department offers two additional dining options; the All Star account debit plan where students make a minimum deposit and can then make purchases at any Food Service location. Any deposits over the minimum enable the student to make purchases at other participating campus locations.

The other option, the Dining Club account, works just like a charge card! No money is deposited in advance. Food may be purchased at anyinstein, and convenient monthly statements are sent to students or parents.

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 year.

For additional information, offices are located at 405 Student Services Building or phone at (615) 974-4111.

HANDICAPPED STUDENT SERVICES
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 student’s individual needs. Assistance is available for making arrangements for special in-class assistance. Information regarding transportation and housing is provided. The office serves as a
liaison capacity with the Tennessee Division of Vocational Rehabilitation. Registration and other forms of administrative assistance and academic support are provided through the Office of the Dean of Admissions and Records. Final assignment in the services program is on a voluntary basis; confidentiality is maintained. Students desiring any services are encouraged to contact the Office of Handicapped Student Services so that any necessary arrangements can be made. The office is located at 900 Volunteer Boulevard, Phone number: 974-6067. Services relating to academic programs for students with physical disabilities, whether permanent or temporary (due to sickness or accident), are coordinated by the Office of the Dean of Admissions and Records, 305 Student Services Building.

These services include assistance during registration (preregistration, collection of class schedules, payment of fees, drop and add); the adjustment of schedules to assure classroom accessibility; the securing of special parking permits, elevator keys, tickets for special events; and similar efforts to relieve the specialized mobility problems of the students. The Physical Plant Office coordinates efforts to eliminate physical barriers to the degree possible, with priority being given to access and facilities for academic buildings.

HEARING AND SPEECH SERVICES

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

The Center serves as a clinical observation and education facility for students majoring in Speech Pathology or Audiology. It also serves as a community Hearing and Speech Center, providing diagnostic and treatment services for speech, language and hearing disorders for persons of all ages.

HOUSING

The University strives to maintain convenient and comfortable residence hall facilities which are available to all single students at a reasonable cost. Many residence halls provide excellently equipped rooms, including computer rooms, and are all within easy walking distance of classrooms and other University facilities. On-campus housing provides an atmosphere which is conducive to academic achievement and personal development and it is therefore recommended that all students reside in University housing. All first year students who are not living with a parent or guardian are required to live in University housing. Housing contracts are a commitment for the academic year, or for shorter periods if the student enters the University during spring. A student enters the University during spring. A customary housing contract is signed by a student is binding for the academic year, or for shorter periods if the student is required to live in University housing.

Additional information pertaining to single student housing may be obtained from the Office of Residence Halls, 405 Student Services Building, The University of Tennessee, Knoxville, Tennessee 37996-0241.

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 336 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. In addition, single graduate students are accommodated on a space available basis. Information and application for these facilities may be secured from the Office of Rental Properties, The University of Tennessee, Knoxville, Tennessee 37996-0730.

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.

LIBRARIES

The University of Tennessee, Knoxville Libraries own approximately 1,600,000 volumes, more than 3,000,000 manuscripts, 70,000 microfilms, 80,000 items of other microtext, plus audio and video recordings, and United States and United Nations documents. The University of Tennessee, Knoxville libraries currently subscribe to more than 18,000 periodicals and 35,000 serial titles. The libraries' membership in the Association of Research Libraries reflects the University's emphasis on graduate instruction and research and the support of large, comprehensive collections of library materials on a permanent basis. Library holdings in Knoxville are housed in the new 350,000 square foot facility, the John C. Hodges Library, and its branch libraries for agriculture-vegetarian medicine and music. The Hodges Library has comfortable study space for 3,500 students, 300 graduate carrels, and 196 faculty studies.

The Special Collections Library in the James D. Hoskins Building is a repository of regional and local materials, Tennesseana, and other specialties, including legislative papers and mementoes of many Tennessee political figures. Special Collections materials are of particular interest to scholars in the fields of history, political science, social sciences, biological sciences, and the arts.

Library research holdings are augmented by Reference Information Services and by Interlibrary Loan. Reference and Information Services provides research assistance and access to commercially available databases. In the reference room users may also search a number of CD-ROM databases at no charge. Interlibrary loan borrows monographs and obtains copies of other material from libraries around the world. Library holdings are accessible via a sophisticated online catalog which can be searched both in the library and from your home computer.

The Law Library on the Knoxville campus and the libraries located on the campuses in Chattanooga, Martin, Memphis and Tullahoma are individually administered. Each library at the University of Tennessee is accessible to all students and faculty in the system.

MINORITY STUDENT AFFAIRS

The Office of Minority Student Affairs is designed to enhance the quality of life for Minority Students. Working in conjunction with other campus and community groups, the office helps identify potential students who have academic potential and motivation to develop their talents at UT, Knoxville. Housed within the Black Cultural Center, the office furnishes information about educational, employment and financial assistance opportunities, offers tutorial services, workshops, and career development programs. The office is located at 812 Volunteer Boulevard.

OMBUDSMAN OFFICE

The Ombudsman Office in the University Center supplements existing appeals channels and actively seeks better ways for the University to serve students. Students who encounter problems with any aspect of the University may receive assistance in resolving them from the Ombudsman. Problems are treated confidentially.

PARKING AND VEHICLE OPERATION

The University of Tennessee endeavors to provide adequate facilities for vehicles operated by students and staff. However, areas available for parking are necessarily limited. To reduce traffic congestion within the campus area, large student parking areas are located on the perimeter of the campus. Presently, free bus service is provided from the Main Campus to the Agriculture Campus and Perimeter Lot located off Concord Street behind Tyson Park. Also, bus service is provided to Married Student Housing Units at a nominal fee. Each person who operates a motor vehicle in connection with attendance or employment at the University must register that vehicle with the Parking Services Office. 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 with the following exceptions:

1. Staff and students with current UT, Knoxville motor vehicle registration tags in their vehicles may park in any unreserved area (EXCEPT THOSE AROUND RESIDENCE HALLS) between the hours of 10 P.M. and 7 A.M. Monday through Friday, and 12 Noon Saturday to 7 A.M. Monday.
2. General parking is permitted in staff areas around the residence halls between 5 P.M. and 3 A.M. After this time, vehicles without permits for these areas may be towed.
3. Staff and students with current UT, Knoxville parking permits may park in unassigned staff areas around the academic buildings from 5 P.M. to 7 A.M.
4. Overnight parking is not permitted in the Student Commuter Parking Areas nor in Student Aquatic Center Parking Area.
5. At times, certain areas will be reserved for parking for special events, such as athletic events, conferences, etc. Parking for these events will be by special parking permit for the specific event.

A University Traffic and Parking Authority determines the parking policy, traffic regulations, and fees. This information is published each year in the "University Traffic and Parking Regulations", and is available at the Parking Services Office, 1115 UT Drive, at the Campus Information Center at Circle Park, and at the vehicle point of registration.

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 spiritual and religious life of its students.

STUDENT CONDUCT OFFICE

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

STUDENT COUNSELING SERVICES CENTER

The Student Counseling Services Center provides services designed to help students with educational, vocational, personal, and social problems. Professional counselors work with the student in a setting that allows confidential discussion of the student's concerns. In addition, various groups are employed to meet the special social needs of the student. These groups provide the opportunity to share and learn from others and/or improve skills. Psychological tests may be used for self-evaluation.

The Center also works with the faculty and student personnel to develop educational programs and projects to meet the needs of various groups at the University.

All students, student spouses, and to a limited extent, pre-college students are eligible for counseling and services of the Center. Appointments for counseling may be made by phone or in person at the Student Counseling Services Center at 900 Volunteer Boulevard.

STUDENT GOVERNMENT ASSOCIATION

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

Each spring term, general campus elections are conducted to elect the President and Vice-President of the SGA, as well as members of the three branches of the SGA. Student Senate members are elected to represent geographical areas of the campus. The Academic Council and Graduate Student Association representatives are elected from the academic colleges and graduate student programs, respectively. Offices of the SGA are located in room 341 of the University Center.

STUDENT HEALTH SERVICE

Health services provided by the University are available to any student who has paid the health fee (either through paying the full University Programs and Services Fee or, if taking fewer than 9 hours, paying the optional health fee). Health fee (either through paying the full University Programs and Services Fee or, if taking fewer than 9 hours, paying the optional health fee). University Hospitals of Tennessee, which includes the Student Health Center, is available continuously throughout every term.

The Health Service has a regular staff of primary physicians, nurses, laboratory and x-ray technicians of Tennessee licensure. Outpatient services in the fields of family practice, internal medicine, pediatrics and psychiatry are available on a part-time basis while specialty consultants in dermatology, surgery, and gynecology are available through referral by a staff physician. Care beyond that provided by the regular staff can be arranged. For students requiring allergy injections may arrange to receive them at the Clinic. Virtually all medical services at the campus clinic are to be provided to eligible students at no additional cost while charges are made for some services such as x-rays, lab tests, and injections received through the evening/weekend clinic at The University of Tennessee Memorial Hospital.

The primary clinic at 1818 Andy Holt Avenue maintains scheduled daytime hours Monday through Friday. Emergency care during evenings and weekends is available through the emergency room student health clinic at The University of Tennessee Memorial Hospital except during the break after the fall term. Ambulance and transportation service for the campus is provided by Campus Police.

Students requiring hospitalization are generally admitted by an appropriate specialist to The University of Tennessee Memorial Hospital unless other arrangements are desired. Since hospitalization is very expensive, students with hospitalization insurance. Student group health insurance is available and may be purchased during a designated period at the beginning of the academic year.

Health Service personnel will cooperate with students and family physicians in ensuring the continuity of quality health care during the university career.

STUDENT ORGANIZATIONS

On the campus there are a large number of student chapters of professional organizations, special interest clubs, and other extracurricular organizations. These organizations and clubs provide broad opportunities for student participation.

A full listing of all student organizations is found in Hilltopics. All of these clubs and organizations are under the general supervision of the Dean of Students Office.

STUDENT ORIENTATION OFFICE

This office is dedicated to helping the new student adjust to the university setting, concerning itself with general, personal, and scholastic difficulties of the student during the first year of enrollment on the Knoxville campus. The office is responsible for the summer orientation program, specifically designed for the fall-term new student, as well as orientation programs for freshmen and transfer students presented prior to the beginning of each term.

STUDENT PUBLICATIONS

A number of student publications are printed during each school year to serve as sources of information for new students, to report the many events of interest to the campus community, and to record the year's activities. The Daily Beacon, a student newspaper; The Volunteer, yearbook of campus activities, and The Phoenix, a quarterly literary magazine, are sponsored by The University of Tennessee Student Publications Board. Other student publications are:

Sorority Scope, published annually by the Panhellenic Council to provide information about the sororities at the University.

IFC Rush Brochure, published annually by the Interfraternity Council to acquaint male students with the fraternities.

The Tennessee Law Review, published quarterly by students of the College of Law.

STUDENT RIGHTS AND RESPONSIBILITIES

By registering in the University, the student neither loses the rights nor escapes the duties of a citizen. Enjoying greater opportunities than the average citizen, the University student has greater responsibilities. Each student's personal life should be conducted in a context of mutual regard for the rights and privileges of others. It is further expected that students will demonstrate respect for the law and for the necessity of orderly conduct in the affairs of the community.

Students are responsible for being fully acquainted with the University catalog, handbook, and other regulations relating to students and for complying with them in the interest of an orderly and productive community. The student handbook is published annually and distributed annually so that students are aware of the University Standards of Conduct and all disciplinary regulations and procedures.

Since conduct and actions will be measured on an adult 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.

WOMEN'S CENTER

The Women's Center provides essential informational services and referral services to UT, Knoxville students and faculty. The library's specialized collection provides books, journals, and brochures about issues and
concerns of women from a both a current and historical perspective. Information is available on a variety of topics ranging from racism, violence against women, spirituality, and sex roles. The Women's Center is located in 301 University Center.

WRITING CENTER
To aid students in regaining and improving their skills in writing, the University operates a Writing Center. Students, faculty and staff may visit the center at any time for help with their writing.

FEES AND EXPENSES
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: $686
- Graduate Students: $855
- Law Students: $977
- Veterinary Students: $1,453

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

**TUITION** (additional for all out-of-state undergraduate and graduate students) $14,766

**TUITION** (additional for all out-of-state Law and Veterinary Medicine students) $5,504

Tuition is required of all students who are classified as non-residents for fee assessment purposes. NOTE: In lieu of the above charge for tuition and/or maintenance fee, part-time students may elect to pay fees computed by the semester hour credit (or audit) at the rates shown below, total charge not to exceed the semester it is paid.

**LATE PAYMENT FEE**
Graduated Late Service Fee
Upon receipt of a schedule (full, partial, or incomplete) a student is registered and is immediately responsible for payment of fees. Students who preregister for a semester must pay their fees (or make satisfactory arrangements with the Bursar's Office) on the regular registration dates in order to avoid late payment service charges. The following late payment service charges are applicable on the dates indicated:

- Day 4 - $8.00
- Days 5-9 - $10.00
- Days 10-14 - $20.00
- Days 15-20 - $40.00
- Days 21-25 - $50.00
- Days 26-30 - $60.00

Failure to pay fees or to make satisfactory arrangement for deferral or waiver by the end of the fourth week of classes will result in automatic assessment of appropriate fees, including late payment charges and forfeiture of all university services including the receipt of grades, transcripts and schedules of classes.

**REINSTATEMENT FEE**
A student whose grades are withheld for failure to pay proper fees is required for payment of the reinstated semester fee.

**LATE REGISTRATION FEE**
Students who do not advance register will be charged a $15 late registration fee.

**RETURNED CHECK POLICY**
During Registration Check-in days, all checks are deposited the day they are received. A $10.00 service charge will be assessed when checks fail to clear the bank on which they are drawn. In addition, if the returned check is in payment of initial fees and charges, the late payment fee in effect at the time the check is redeemed (minimum charge - $20) will be added to the returned check service fee. If the check is not cleared within seven days an additional $10 service charge will be added. Returned checks will not be redeposited. Cash or cashier's check are required for payment of the returned check, late fee, and service charges. Failure to clear returned checks will result in the forfeiture of all university services including the receipt of grades, transcripts, and schedules of classes.

**TUITION PAYMENT PLANS**
All student fees are due in advance and should be paid in full at registration each semester.

Prepayment Plan
A prepayment plan has been developed to assist parents and students with planning and budgeting their academic year expenses. Under the plan, students may choose the expenses they wish to prepay including room, board, tuition, and fees. Expenses can be prepaid over a period of eight months. Students and/or parents wishing to participate in the prepayment plan should contact the Bursar's Office for details.

Deferred Payment Policy
Although fees, rent, and other University expenses are due and payable at the beginning of each semester, a student in good financial standing with The University may request a deferral of up to 50% of the total charges at registration. The deferred payment may be divided into two equal payments payable on the 28th and 56th day of the term. All financial aid monies must be applied to fees before a deferral will be considered. A deferred payment service fee of $10.00 is assessed when any portion of tuition, fees, and other charges are deferred with the approval of the Bursar's Office. An additional $25.00 late payment charge will be assessed on each monthly installment which is not paid on or before the due date. For more details, contact the Bursar's Office.

Room and Board Payment Plan
Semester room and board charges may be paid in monthly installments. The first month's rent plus a deposit of one month's rent is due at registration. The remaining installments are due every four weeks. For more information and an application, contact the Bursar's Office.

**DEFERRED PAYMENT SERVICE FEE**
(See Tuition Payment Plans)
This fee is applicable when the payment of any amount of a student's health fee is deferred, including accounts which must be billed to outside agencies, organizations, and institutions.

**LATE PAYMENT SERVICE FEE**
This fee is applicable when a supplementary charge (tuition, room and board adjustments, etc.) is not paid within seven calendar days after the date it is incurred. Students are expected to take the necessary steps to pay all University obligations promptly. The $10 deferred payment service fee will be added if it is necessary for the Bursar's Office to send a notice regarding non-payment of the adjustment.
The University of Tennessee

APPLICATION FEE ................................................................. $15
Each first-time undergraduate, graduate, and College of Law application for admission to The University of Tennessee, Knoxville, must be accompanied by a fee of $15 before it will be processed. This fee is nonrefundable and is not required for transfers within the University system.

CLEP FEES
$5 per credit hour for evaluation and proficiency credit.

PROFICIENCY FEES
Fees for proficiency examinations are $5 per hour credit for undergraduates and $7 per hour credit for graduates. See page 39 for other information on proficiency, and CLEP examinations.

CO-OP REGISTRATION FEE ...................................................... $23
If credit is received, the appropriate semester hour rate will be added.

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

TUITION/FEE REFUND POLICY FOR WITHDRAWALS
Withdrawal from school for the term, after receiving a schedule, even though classes have not been attended or fees paid, must be by official notification to the Withdrawal Office, 212 Student Services Building. The effective date of withdrawal is the date the Withdrawal Office is notified by completion of the official Withdrawal Request Form. FAILURE TO ATTEND CLASS DOES NOT AUTOMATICALLY CANCEL ENROLLMENT. The appropriate percentage of fees will be charged unless the Withdrawal Office is notified by the close of the last day designated for Registration Check-In and before the first official day of classes for the term. Failure to notify the Withdrawal Office promptly when withdrawing could result in a larger fee assessment.

Withdrawal Date Percentage Refund
Registration Days ................................................................. 100%
Business days after registration days
1-5 ................................. 90%
6-10 ................................ 80%
11-15 ................................ 60%
16-20 ................................ 40%
21 ...................................... No Refund

Refunds resulting from withdrawal will be made, as soon as possible, after the drop deadline. Room and board refunds are determined by the Office of Residence Halls in accordance with the terms of the Housing and Food Services Contract. Information about the insurance is mailed to the off-campus Graduate Centers. Refunds, in accordance with the withdrawal refund policy, will be made after the drop deadline.

TUITION/FEE ASSESSMENT POLICY FOR DROPPED COURSES
THE DROP/ADD PROCEDURE CAN NOT BE USED TO WITHDRAW FROM SCHOOL FOR THE TERM. Students who drop courses and continue with a reduced course load are eligible for a refund only if the total charges at the semester hour rate for the courses continued plus the percentage assessed at the semester hour rate for the courses dropped results in an amount less than that paid.

A course is not officially dropped until a drop/add slip has been processed and recorded by the admissions and records office. Failure to attend class does not automatically withdraw or drop a student from school or class.

The following percentage assessments are applicable for courses dropped (if fees are assessed at the semester hour rate):

Drop Date Percentage Refund
Business days after registration days
1-8 .................................. 100%
9-10 .................................. 80%
11-15 .................................. 60%
16-20 .................................. 40%
21 ...................................... No Refund

NOTE: The drop deadline for grades and the last day for refunds are NOT the same. All charges and refunds will be made to the nearest even dollar amount. Refunds resulting from dropped courses will be made after the final audit at the end of the term.

OTHER INFORMATION REGARDING FEES
All charges and refunds will be made to the nearest even dollar amount. Refunds resulting from dropped courses will be made after the final audit at the end of the term.

Military Deposits. All students registering for Air Force ROTC courses are required to make a deposit of $75 each for uniforms issued to them. All students who are members of the band are required to make a deposit of $50 each to cover damage to or loss of property issued to them. The unused portion of the deposits will be returned to the students after completion of training.

Identification Card. ID cards, issued during registration or anytime during the year to all students, are prepared during registration of the first semester a student enrolls in the University and are validated each term thereafter. These cards are required for many purposes such as use of library facilities, check-cashing facilities in the UT, Knoxville Bookstore, and admission to various athletic, social, and cultural events. These cards are non-transferable and may not be duplicated. A current validated fee receipt is necessary to obtain a new or replacement ID card. IDENTIFICATION CARDS MUST BE CARRIED AT ALL TIMES FOR PURPOSES OF IDENTIFICATION. Lost or stolen cards should be replaced by contacting the Student ID Card Office at Room 344, University Center. There is a minimum charge for replacement or duplicate ID cards.

Arrangement for Banking while at UT, Knoxville. Banking arrangements can be made with Knoxville banks. Knoxville banks require a waiting period before honoring out-of-town checks, if the deposit is a personal check. New students who wish to open a local checking account are encouraged to deposit a certified check or cashier's check unless they can pay initial college expenses by a personal check on a bank account already fully established.

SUMMER TERM FEES AND EXPENSES
Fees and expenses for the summer term are the same as for the other terms during the academic year with the exception of the University Programs and Services Fee as noted above.

Although the summer term is divided into terms of varying lengths, tuition and fees are assessed at the regular semester hour rate not to exceed the maximum charge for a complete regular semester.

The refund policy covering withdrawals and dropped courses for the summer term is based on the length of the term for the course(s) dropped.

ESTIMATE OF EXPENSES
The following estimates of the necessary expenses for an undergraduate student during the 1990-91 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 accommodation and 20-meal board plan in University facilities. Estimates for equivalent accommodation and meals elsewhere will usually be somewhat higher.

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee (approximate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate Maintenance Fee</td>
<td>$1,772</td>
</tr>
<tr>
<td>Programs and Services Fee</td>
<td>$240</td>
</tr>
<tr>
<td>Room and Meals</td>
<td>$972</td>
</tr>
<tr>
<td>Books, Supplies, Transportation, etc.</td>
<td>$480</td>
</tr>
<tr>
<td>Total for Tennessee Residents</td>
<td>$6,246</td>
</tr>
<tr>
<td>Add for Non-Resident Tuition</td>
<td>$2,952</td>
</tr>
<tr>
<td>Total</td>
<td>$9,198</td>
</tr>
</tbody>
</table>
These figures give a fair idea of average expenses, exclusive of clothing, travel, and pocket money. Expenditures for extracurricular activities are not included in the above.

**STUDENT FINANCIAL AID**

The University of Tennessee, Knoxville offers a comprehensive program of financial aid for students who otherwise would not be able to attend. Financial aid includes federal, state, and University programs, an eligible student may receive one or more types of assistance. In order to receive Federal Financial Aid, students must be a U.S. citizen or classified as a permanent resident. All students must also comply with current Selective Service laws prior to receipt of aid. Additionally, all students receiving Federal Financial Aid are expected to maintain satisfactory academic progress toward graduation.

Financial need is defined as the difference between a family's resources and the total cost of attendance. If there is a deficit, the student is considered to be in need of financial assistance. UT, Knoxville utilizes the need analysis documents of both College Scholarship Service (CSS) and American College Testing (ACT). Through the use of CSS's Financial Aid Form (FAF) or ACT's Family Financial Statement (FFS), the Financial Aid Office determines the amount the parents and student can contribute toward educational expenses. For more detailed information on the determination of need, please refer to the brochure entitled, "This is Tennessee: Investing in Your Future," available in the Financial Aid Office.

**DEADLINES FOR APPLICATIONS**

Because a student's family resources can change significantly during an academic year, UT, Knoxville requires each student to apply annually for renewal of financial aid. Students desiring assistance based upon financial need should complete the appropriate application forms. 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 entitled, "This is Tennessee: Investing in Your Future."

**TRANSFER STUDENTS**

Transfer students who have attended another college or university are required to have a Financial Aid Transcript sent to UT, Knoxville whether financial aid was previously received or not. Forms and further information on this requirement are available in the Financial Aid Office.

**SCHOLARSHIPS AND GRANTS**

Scholarships. The UT, Knoxville scholarship program is made possible through funds provided by the University, outside foundations, estates, private businesses, civic groups, individuals, and others. The majority of these scholarships are coordinated by the Financial Aid Office. Some undergraduate scholarships for currently enrolled students are administered in the various schools and departments.

Most scholarships are available to students who demonstrate strong academic achievement and a proven need for assistance. There is, however, an academic merit scholarship program which makes awards on the basis of academic achievement only. To compete for merit scholarships only, a student must be admitted or currently enrolled by the priority deadline indicated above. An application form or financial statement is not necessary. Academic achievement for currently enrolled and transfer students is judged by the applicant's secondary school academic record and scores on the American College Testing Battery (ACT) or Scholastic Aptitude Test (SAT). Academic achievement for freshmen is judged by the applicant's high school cumulative grade point average.

Applicants desiring assistance based upon financial need should complete the appropriate application forms. 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 entitled, "This is Tennessee: Investing in Your Future."

UT, Knoxville has three types of financial aid available to students, need-based, non-need-based, and at-risk 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 entitled, "This is Tennessee: Investing in Your Future."

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**TRANSFER STUDENTS**

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STUDENT EMPLOYMENT
Two employment programs are admini-
stered by the Financial Aid Office to help
students find part-time employment.

College Work-Study. This is a federal
work program which provides jobs for
students who have financial need and who
must earn a part of their educational
expenses. Eligible students are placed
in jobs on campus where they work
approximately 15 hours per week. Jobs
are available in a wide variety of academic
departments and other campus units.
Interest on pay is at least the federal
minimum wage.

Student Employment Service operates
as a central referral agency. It coordi-
nates listings of part-time employment from
both University and private employers with
the requests of students seeking part-time
employment. Part-time jobs average from
15 to 20 hours per week. If part-time employment is a financial
necessity to the student with a low grade point
average, the student is advised to accept a job
requiring fewer hours of work per week.

SCHOLARSHIPS

STAFFORD STUDENT LOAN. This loan from
banks, savings and loan associations, or
credit unions through a state guaranteeing
agency, may be available to assist with meeting educational
expenses. To receive a loan, the student must
be enrolled or admitted in at least a half-time
degree program and be in good standing with
the University. Applicants are required to file a
FAP or FFS to determine eligibility. Interest
on such loans is paid by the federal government
while the student is in attendance on at least a
half-time basis. The student begins repayment
of the amount borrowed plus 8 percent interest
per year on the unearned balance six months fol-
lowing termination of half-time enrollment or
graduation. The maximum repayment period
is 10 years and the minimum monthly payment
is $50.

Repayment may be deferred for a period
two years while the borrower is serving in the
Armed Forces, Peace Corps, Vista, the U.S.
Peace Corps, Service, or similar organization
or as a full-time volunteer in a
similar tax-exempt service organization, or
while (s)he is temporarily totally disabled or is
providing care for a spouse who is temporar-
ily totally disabled; repayment may be deferred
for a period of two years while the borrower is
serving an internship which is required to
receive professional recognition. The
maximum amount an undergraduate student
may borrow for a 9-month period of enrollment
is $2,625 for freshmen and sophomores and
$4,000 for juniors and seniors, up to an
accumulated maximum of $17,250. The
maximum amount a graduate student
may borrow for a 9-month period of enrollment
is $7,500 up to an accumulated maximum of
$54,750 (including any amount borrowed as an
undergraduate).

PLUS/SLS LOAN PROGRAM. The PLUS/SLS
Loan Program provides a source of loan funds
to the parents of dependent undergraduate
students as well as to independent under-
graduate and graduate/professional students.
An applicant must file a FAF or
FFS to determine eligibility. The parents can
borrow up to $4,000 per year (not to exceed
the cost of attendance minus other financial
aid) for each undergraduate dependent child.
Independent undergraduate students may
borrow up to $4,000 per year. Graduate/
professional students are entitled to borrow up
to $4,000 per year. The cumulative maximum
loan amount that can be borrowed by a parent
for each dependent undergraduate child is
$20,000. Independent undergraduate students
may borrow a cumulative maximum of $20,000.
The cumulative maximum loan for graduate/
professional students is $20,000 from SLS.
The interest rate on PLUS/SLS loans is
currently 12 percent and there is no federal
interest subsidy. Parent borrowers must begin
repayment on principal and interest within 60
days of loan disbursement. Student borrowers
must begin repayment of interest within 60
days of loan disbursement, but payment on the
principal will be deferred until the student is no
longer enrolled as a full-time student or no
longer qualifies for some other deferment.

Complete information on both loan
programs is available at most banks and credit
unions. In the state of Tennessee, write the
Tennessee Student Assistance Corporation,
404 James Robertson Parkway, Suite 1950,
Nashville, Tennessee 37219.

Arthur Andersen & Co. Scholars Endowment in
Accounting
Andersen Consulting Engineering Scholarship
Fund
Anderson County Agricultural Scholarship
Winifred A. Andrew MBA Fellowship
Ray & Mary Andrews Memorial Fund for
Excellence in Design
Professor Duncan Angus Scholarship Fund
Animal Husbandry Scholarship
Anonymous Nursing Scholarship
Anonymous Student Awards
Anthropology Development Scholarship
School of Architecture Scholarship
Armistead Award in Agriculture
Armistead Award in the College of Veterinary
Medicine
James H. Armistead Scholarship in Journalism
Max B. & LaLa Block Armistead Scholarship
J.Clayton Arnold Teaching Training
Scholarship
Grace R. Agee and Willie R. Clark Sch. End.
Fund
American Watercolor Society Scholarship
Fund
Andersen Consulting Engineering Scholarships
Art Department Scholarships & Aid
Daniel Arthur Rehabilitation Center
Captain Samuel E. Asher Memorial
Scholarship
Asaae Grant-in-Aid Goswami
Athletic Department Scholarship Fund
Atlantic Richfield Fellowship
Audio & Speech Pathology Scholarship Fund
E.H.(Buddy) Avery Athletic Scholarship
Fund
Karl F. Bahret Memorial Swimming Fund
Hop Bailey, Sr. Scholarship Fund
Howard H. Baker Memorial Law Scholarship
Fund
Lois Beatrice Dunn Barbee Scholarship
Raymond Barnes Award in Woodwind
John H. Barrett Memorial Fund
Dorothea H. Barton Scholarship
Bacon-Beard Scholarship in Philosophy Fund
Bain-Swiggett Poetry Prize
Band Scholarship
Porter Barnett Athletic Scholarship
Colonel T.H. Barton Scholarship Fund
Grace-Brodie Baynes Scholarship in
Accounting
Dr. & Mrs. Joe D. Beals Scholarship Fund
C. Grier Beam Scholarship Fund
Howard H. Baker Memorial Law Scholarship
Fund
Loyalty Barnett Athletic Scholarship
Hubert Bebb Scholarship Endowment Fund
Bedford Farmers Cooperative Agriculture
Scholarship
Fred E. Bell Athletic Department Scholarship
Fund
Roy F. & Addie J. Bell Scholarship Fund
Belcourt Mid-School Scholarship
Carl M. Bennett Scholarship Fund
Jim Bennett Memorial Development Fund
Phil Sherman Bennett Prize
Stelmon Bennett Endowment Fund
Edward & King Benson Memorial Scholarship
Fund
Benwood Foundation Athletic Scholarship
Fund
Berkeley MBA Graduate Fellowship
Berkeley Corporation Scholarships
Beta Sigma Phi Scholarship
Beta Theta Pi Memorial Scholarship Fund
Better English Graduate Aid
Hodges Better English Scholarship Fund
Exxon Educ. Foundation Scholarships
Faculty Research Awards in Education
John Richard Fain Scholarship
Farm Credit Services Scholarships
Emily Mathen Faust Graduate Fellowship
Dr. Mark P. Feaster Scholarship Fund
Martin J. Feerick Memorial Scholarship
David Ferrell Memorial Scholarship Endowment
Fred Fields Theatre Award
Richard Filler Scholarship in Business
Finer Family Scholarship
Charles Edward Ferris Engineering Scholarship
Grace C. Flinn Memorial Scholarship
Henry L. Ford Agriculture Scholarship Fund
The Foreign Studies Enrichment Fund in the School of Accounting
Robert L. Forester Memorial Scholarship Fund
E. Bruce & Mary E. Foster Scholarship
Liston Fox Memorial Scholarship Fund
Liston Marshall Fox Scholarship
Thomas E. & Elizabeth Fox Fund
Julius & Henrietta Fried Memorial Scholarship
Knutline & Helen Fried Scholarship
French Educational Fund
E. Guy Frizzell Scholarship Fund for the Study of Religion
Gideon Fryer Scholarship Fund
Joel Fryer Education Fund in Transportation
FSNFS Memorial and Honor Scholarship
Frances W. Garrison Memorial Fund in Music
General Scholarship - Licensing
Gottfried Galston Scholarship in Piano
Patricia & Joe Gambia Athletic Scholarship
Laurence Gardiner Agriculture Scholarship Fund
E.E. Garrison Excellence Fund in Marketing
GEM Consortium Fellowship
General Electric Scholarship
General Foods Human Ecology Fellowship
General Shale Corp. Fellowship
General Support Chemistry - Geography - Enrichment Fund
T.H. & Jeanette Gillespie Art Scholarship
George W. Gleaves, Jr. Memorial Scholarship
Dale Goodfellow Scholarship Fund
Marylyn Gordon Scholarship in Business
Dr. Lillian K. Good-One Memorial Fund
Gowder Student Assistance Fund
Graduate School of Planning Discretionary Fund
GNB Inc. Athletic Scholarship
Leroy P. Graf Agriculture Scholarship Fund
Leroy P. Graf Undergraduate History Scholarship
Erma G. Graff Scholarship Fund
Orin B. Graff Scholarship Fund
Grainger County Scholarship Fund
James T. Granberry Memorial Scholarship
Ben P. Granger Scholarship Fund
Senator Andrew Jackson Graves Scholarship
MSC/Mae Pomeroiy Graves Scholarship
Barbara D. Gray Scholarship
Gregory E. Gray Memorial Scholarship Fund
Greater Knoxville Advertising Club Scholarship
Greater Knoxville Chamber of Commerce Teachers of the Future Sch
Greater Kingsport Kennel Club Scholarship in Vet Med
Judge John W. Green Scholarship Fund
John W. Green Award
Greene Farmers Co-op Scholarship
Irene & Condon L. Greene Memorial Scholarship Fund
B.L. & Margaret Greer Scholarship Fund
Harriet Greve Scholarship
Harriet C. Greve Memorial Scholarship Fund
Isabel Griscosch Scholarship Fund
Gundy County Agriculture Scholarship
Grundy Farm Bureau Co-op Scholarship
GSCD, Inc. Draftsmanship Award
Edgar G. Guenthiner Scholarship
Gulf Oil Foundation Graduate Fellowship
Dr. Mark P. Feaster Scholarship Fund
Mrs. Curtis W. Haines Scholarship Award
Alex Haley Scholarship Fund
Hughes Hall Memorial Scholarship
Dr. & Mrs. James Hall Scholarship
The Dr. & Mrs. James Wilson Hall Scholarship Endowment Fund
Hambien County Agricultural Extension Scholarship Fund
Hambien Farms Coop Agricultural Scholarship
Hamilton County Farm Bureau Scholarship
Edward H. Hamilton Scholarship
Hancock County Agricultural Scholarship
Hand Foundation Inc., Scholarship
Richard Hank Vet. Scholarship
John D. Harper Scholarship Endowment
Jessie W. Harris Memorial Scholarship Fund
S.T. Harris Scholarship
Harrison Scholarship Fund
John and Louise Harrison Social Work Endowment
Juliam Harrissem Scholarship in Journalism
John P. Hart Scholarship in Broadcasting
Lynne Kratz Huffman Vet. Medicine Memorial Scholarship
Travis Hawk Fellowship Fund
Hawkins County Agricultural Extension Scholarship
Hawkins County Farm Bureau Agricultural Scholarship
Hawkins Farmers Cooperative Scholarship
Ed Hawkins Memorial Scholarship Fund
James Robert Hawthorne Music Scholarship
Maud Galloway Hayes Scholarship Fund
William & Emma Hays Memorial Agriculture Scholarship
Damon Rivers Headmen Memorial Scholarship
Helen Griffin Headlee Memorial Scholarship
James H. Healy Scholarship in Business
James H. Healy TEDP Scholarship Fund
William Randolph Hearst Foundation
Ernest & Fannie Hedgcock Scholarship
Chet Hedrick Scholarship Fund
Lowell J. Hedrick Memorial Scholarship Fund
H.L. Hendrick Memorial Scholarship in Law
Wandalle Henshaw Graduate Fellowship in Classical Performance
G.J. Herrington Graduate Agriculture Scholarship
Rolf-Dieter Herrmann Memorial Scholarship in Philosophy
Herman Hickman Memorial Scholarship Fund
Jami S, High Memorial Scholarship in Interior Design
Donald G. Hillemann Scholarship
Lea John Hisey Scholarship Fund
Louise Hisey Scholarship Fund
C.S. Hobbs Merit Scholarship
A.W. Hobbs Memorial Scholarship
Harry G. Hodges Memorial Scholarship Fund
Margaret Elizabeth Hodges Fund
J. Wesley Hoffman History Fund
J. Wesley Hoffman Scholarship
Alexander Hoffner Memorial Scholarship Fund
O.R. & F.R. Holley Memorial Scholarship Fund
J. Fred Holly Endowment Fund for Excellence in Economics
John Fred Holley Jr. Memorial Scholarship
Andy Holt Scholarship Fund
Herbert Holt Scholarship Fund
Martha & Andy Holt Milan High School Scholarship
D. Frank Holtman Scholarship
Home Federal of Johnson City Scholarship
Hooper Athletic Scholarship
J. Edgar Hoover Memorial Scholarship
J. Elmer Housley Scholarship Fund
Ina B. Howard Scholarship
I.A. Howell & L. Beverly Scholarship Fund
Human Ecology General Scholarships
Human Ecology 60th Anniversary Scholarship
Human Services Department Excellence Fund Scholarship
Jean Vanderburg Humphrey Humanitarian Fellowship
John F. Humphrey Metal Fabricators Inc. Scholarship
Joseph N. Hobler Memorial Law Scholarship
John and Linda Hunter Scholarship in Vet Med
Hunton & Williams Scholarship & Award Fund
Gertrude Garner Hurbut Scholarship Endowment
Champe S. Hyatt Athletic Scholarship
Arthur B. Hyman Law Scholarship Fund
IBM Minority Scholarship Fund
IBM Graduate Fellowship Award
ICG Educational Fund, Inc. Scholarship
Industrial Organizational Psychology Excellence
INPO Fellowship
Instrumentation Society of America Engineering Scholarship
Insurance Scholarship Fund
International Student Emergency Fund
IOP Excellence Endowment Fund
IT Corporation - MES scholarship Fund
Italian Studies Award
Jackson Endowment for International Study
Jimmy Jackson Conservation Award
Owen James Memorial Agriculture Scholarship
Jefferson Farmers Cooperative Scholarship in Agriculture
Jennifer Helman Scholarship Fund
Edith N. Jessop Scholarship Funds
Richard Joel Advertisement Scholarship Fund
Johnson County Agriculture Scholarship Fund
Homer Johnson Scholarship Endowment Fund
Homer Johnson Scholarship Fund
Howard Johnson Scholarship in Food and Lodging
Howard Johnson Company's Food and Lodging
Robert L. Johnson Hardicap Scholarship
Sally Holder Johnson Memorial Scholarship
Wander Wheeler Johnston Memorial Scholarship
Dean A. Clara Jones Athletic Scholarship Fund
Gippie Jones Scholarship Fund
L.E. & Emma E. Jones Scholarship Fund
Mark G. Jones Memorial Scholarship Fund
West Crawford Jordan, Jr. Scholarship
Wilma H. Jordan MBA Fellowship
Journalism Scholarship Fund
Edward D. Judy Scholarship Fund
Journalism Faculty Scholarship
KAMA Scholarship Fund
Bernard Kaplan Women's Athletics Sch. Endowment Fund
Druzilla C. Kent Home Economics Education Scholarship
Dr. John J. Keffer Professorship Scholarship
Kathy Kirby Music Scholarship Endowment Fund
Kayo Oil Company Scholarship Fund
Robert A. Keener Scholarship
Keener Chemistry Awards Fund
Kefauver-Burke Memorial Football Scholarship
Estes Kefauver Memorial Scholarship
Robert S. Kelly & Thomas H. Edwards Memorial Scholarship Fund
Dr. Wilbur T. Kennedy Vet Med Scholarship
Nellie D. Kenyon Scholarship in Journalism
Wallace Dwight Kessel Industrial Engineering Scholarship Endowment
Clyde W. Key Memorial Fund
Gordon Keyes Agriculture Memorial Fund
Jack R. Kiger Scholarship in Accounting
Kimley-Horn Scholarship in Civil Engineering
John L. & Elizabeth V. Kind Scholarship Fund
E. Ward King Scholarship in Transportation
James M. King Scholarship
Philip C. Kipps Memorial Law Fund
James C. Kirby, Jr. and Barbara Eggleston Kirby Scholarship Endowment
Knickerbocker Poetry Prize Fund
Knoxville A La Carte Scholarship Fund
Knoxville Auxiliary Tennessee Bar Association Scholarship
Knoxville Auxiliary Tennessee Bar Review Award
Knoxville Community Housing Resource Board Minority Scholarship Endowment
Knoxville Garden Club Scholarship
Knoxville Hotel, Motel Association Scholarship
Knoxville Journal Scholarship
Knoxville News-Sentinel Scholarship in Advertising
Knoxville News-Sentinel Scholarship in Journalism
Knoxville Orthopedic Clinic Scholarship
Knoxville Watercolor Society Scholarship
Knoxville Woman's Club Scholarship
KOC Training Scholarship Fund
Kodak Graduate Scholarship Fund
Kodak Graduate Research Fund
Kodak Minority Scholarship - Accounting
Stanley Kogut Memorial Scholarship Fund
Louis & Lillian Kotler Scholarship Fund
Fred R. Langley Athletic Department Scholarship Fund
Law Affirmative Action Scholarship
Law College Scholarship Fund
Law Students Association Fund
College of Law Advocates Award
Law Current Support Fund
Fred R. Lawson Family Endowment Fund
Lucille & Herbert Lee Mathematics Scholarship
Mr. & Mrs. John M. Lambert Scholarship Fund
MBA Faculty Award Fund
MBA Faculty Endowment Scholarship Fund
Mrs. J. Harvey Mathes DAR Award
Maury County Farm Bureau Agriculture Scholarship
Harriette H. Maxwell College Scholarship
MBA Student Award
Raymond & Marilyn McCall Endowment Fund
Edgar Wyman McCall Scholarship Fund
A.E. McClanahan Agriculture Memorial Scholarship
Charles & J. McLung Prize
Louis Carr McClure Scholarship Endowment
W.K. McClure Fund World Affairs
S. Lloyd McCulloch Scholarship Fund
McDonald’s Restaurants Scholarship
F. Dwight McDonald Memorial Scholarship
McDowell Athletic Scholarship Fund
Gene McEver Athletic Scholarship Fund
Henry G. McGinley Merit Scholarship
Robert L. McKnight Memorial Law Scholarship
Helen Ross McKnight Mental Health Center
Lisa Reynolds Memorial Scholarship Award
Rhoda O. Meara Memorial Scholarship Fund
E.J. Meeman International Community Fellowship
Elms County Agricultural Extension
A.D. Melaven-Rhenium Scholarship Fund
Memphis Botanic Garden Foundation
Memphis Hotel, Motel Association Scholarship
Memphis Gridiron Show Scholarship
Memphis Light Gas & Water - MESP
J.T. Mengel Forestry Scholarship Fund
Merick Company Scholarship Fund in Vet Med
Bernadine Meyer Professional Development Award
Middle Tennessee Chapter AIA Scholarship
Mike Milburn Memorial Scholarship - TVA & I
J.T. Miles Food Tech Scholarship Fund
John M. & Grace G. Millen Fellowship
Cari W. Miller Memorial Student Assistance Fund
Charles Miller Award of Excellence in Civil Advocacy
Charles Miller Clinical Achievement
Wilhemin and and DeWolfe Miller Scholarship Fund
John W. Minchey Scholarship Endowment Fund
Minority Engineering Program
Minority Scholarship in Accounting
Minority Student Scholarship in Finance
Minority Students Support Fund
Minority Student Program in Forestry
Minority Undergraduate Scholarship (THEC)
Minority Engineering Scholarship Program
Miss American Co-Ed Scholarship
T.A. Mitchell Scholarship Fund
Anne Y. and Herman L. Modlin, Jr. Scholarship Fund
Endowment in Business
Mobil Research and Development Fund
Susan L. Moeller Memorial Scholarship Fund
Phillips W. Moffit Scholarship Fund
Chester A. Molloy Memorial Scholarship Fund
Monsanto Fellowship in Botany
Billy J. & Sylvia F. Moore Scholarship
Endowment in Child and Family Studies
Billy M. & Sylvia F. Moore Scholarship
Fulton B. Moore III Memorial Scholarship Fund
George C. Moore Co. Scholarship Fund
Grace Moore Scholarship Fund
Kyle Campbell Moore Scholarship
Richard L. Moore Jr. Graduate Fellowship
Roger M. Moore Scholarship Endowment Fund in Finance
Moorman Company Scholarship
Mr. & Mrs. Herman Morris Mechanical Engineering Scholarship Endowment
Philip Morris USA Scholarship Fund
Philip Morris Ag Ed Scholarship Fund
Tom and Linda Morris Endowment Fund in Business
Zelda B. Morrison Music Appreciation Endowment Fund
Mabel Miller Morelock Scholarship Fund
Morton, Lewis, King and Krieg Scholarship Endowment Fund
A.H. Moser, Jr. Minority Scholarship in Classics
Flora B. & Bessie Abigail Moss Scholarship Fund
Flora B. & Bessie A. Moss Scholarship Fund
John D. Moss Alpha Gamma Rho Scholarship Fund
J. Owen Moss Scholarship Fund
W.F. & Golda Moss Agriculture Scholarship Fund
Mrs. Yuen Leung Mo-Tak Memorial Scholarship Fund
C&P Mountcastle, Jr. Band Scholarship
P&C Mountcastle Athletic Scholarship Fund
R. Mountcastle Memorial Law Scholarship Fund
Mullins Alpha Gamma Rho Scholarship Fund
Music Department Scholarship
MXDesign Inc Scholarship Fund
NAC-Minorities in Engineering
Jesse B. Naive Scholarship Fund
NAP Marketing Scholarship Fund
Nashville Banner Scholarship
Nashville Hotel, Motel Association Scholarship
Nashville Kennel Club Scholarship Memorial
National Association of Women in Construction Scholarship Fund
Lindsey Nelson Scholarship Endowment Fund
Thomas P. Nelson, III Memorial Scholarship Fund
Jake and Dorothy Newman Scholarship
General Bob Neyland Fund
Robert R. Neyland Academic Scholarship
J.H. Nicholson Memorial Scholarship Fund
Harry Nides Scholarship Fund
A.H. Nielsen College Scholarships
NFDA Education Scholarship
Mr. & Mrs. Seward Norris Athletic Scholarship
William B. Nowling Athletic Fund
Randall K. Nutt Scholarship Fund
Mickey O'Brien Scholarship
Francois "Red" O'Donnell Scholarship Fund
John Dail Ogle Scholarship
ONC Steering Committee Scholarship Fund
Opening Night Club Steering Committee Scholarship
Ornamental Horticulture and Landscape Design Club Scholarship
Ornamental Horticulture and Landscape Design Scholarship
Evelyn & Bergein Overholt Scholarship
Kathy, Palko Memorial Scholarship Award
Mr. & Mrs. Marcus Parker Scholarship
Parkey Memorial Scholarship
Pasqua Excellence Freshman Scholarship
Neal and Tracie Peacock Endowment
Pella Traveling Scholarship
Peat, Marwick, Mitchell and Company Scholarship
Mike R. Peiton-Ober Gatlinburg Scholarship
William Peltz Memorial Scholarship Award
Angie Warren Perkins Prize Fund
Cari Perry Music Scholarship
Cari I. Peterson Scholarship Fund
Hetway Athletic Scholarship
P&G Minority Scholarship in Chemical Engineering
Phi Kappa Lambda Music Scholarship
Phi Kappa Phi Fund Scholarship
Phi Tau Sigma Student Award
Philips Consumer Electronics Company Scholarship
Philips Consumer Electronics Company Scholarship
P&G Minority Scholarship in Chemical Engineering
Piper & Lewis Scholarship in Human Ecology
PI Mu Epsilon Scholarship
Donald P. & Bettie J. Pitts Mechanical and Aerospace Engineering Scholarship
Endowment Scholarship Fund
James L. Pointer Scholarship
Plateau Group, Inc. Scholarship
Polk County Agriculture Extension Scholarship
Marcella Pollard Memorial Scholarship
William Pollard Memorial Fund
Joe Frank Porter Scholarship
William Walter Porter M D Athletic Scholarship
Powell High School Alumni Association Scholarship
Frank B. Powers Scholarship
Frank B. Powers Scholarship Fund
James Powers III Clinical Award of Excellence in Criminal Advocacy
Pre-Medical Enrichment Scholarship
Price-Warehouse Foundation Scholarship in Accounting
Presbyterian Foundation Scholarship in Music
Procter & Gamble Alumni Fund
Procter & Gamble Cellulose - MESP
Procter & Gamble Cincinnati - MESP
Procter & Gamble Excellence Award in Computer Science
Procter & Gamble General Minority Scholarship
Procter & Gamble Graduate Minority Fellowship
Procter & Gamble Minority Scholarship Fund
Procter & Gamble Sales Minority Students Scholarship
Professors Honor Fund Grant
D.W. Profitt Foundation Scholarship
Harry H. Pratt, Sr. Agriculture Scholarship
Psychiatric Care College Scholarship
Purity Dairies Scholarship
P. David Qualls Memorial Fund
Ralph F. Quarles Scholarship
Janerne Jones Quillen Memorial Scholarship
Racheff Scholarship and Fellowship in Ornamental Horticulture
Racheff Scholarship and Fellowship in Metals
Rader Merit Scholarship for Composers
Nina V. Ratner Memorial Scholarship Fund
W.F. "Rex" Rarey Scholarship Endowment
Nina V. Ratner Memorial Scholarship
Virginia Thrall Raulston Scholarship Fund Endowment
William T. Ray Scholars and Fellowship
Regan Undergraduate Scholarship
Alabama, USA, MBA Fellowship
Reeder-Siler Scholarship Endowment Fund
Re-Entry Women's Fellowship Fund
Rehabilitation Corp of Tennessee Scholarship
Rehabilitation Corp of Tennessee in Vet Med
Republic National Inc Scholarship Fund
Reynolds Pride in "Tobacco" Scholarship
S. Herbert Rhea Endowment Fund
D. Clark Rhodes Fellowship Fund
Malcolm Rice Architecture Award
Ridgeway Reflective Scholarship Fund
Vicki E. Rigby Scholarship Fund
Stephen D. Rimmer Memorial Scholarship Fund
Chris R. Ritchie Scholarship Fund
Roane County Home Demo Scholarship
Judson Hall Robertson Award
Victor M. Robertson Award Fund
B. Wyatt & H. Robinson Memorial Scholarship
Thomas & Emma Robinson Scholarship
Roddy Upperclass Scholarship
Fred M. Roddy Scholarship Fund
Fred M. Roddy Merit Scholarship
Rohm & Haas, USA, MBA Fellowship
King W. Rogers, Jr. Scholarship
Ralph & Louise Rogers MBA Fellowship
Douglas V. Roseberry Memorial Fund
Callie Wood Ross Scholarship
Touche Ross Company Scholarship
Russell Foundation Scholarship Fund
Cynthia A. Russell Scholarship Fund
Dr. J.E. Saltsburg Fund Vet Med
SAM Scholarship Fund
Rhonda Karen Sasser Scholarship
Jane Savage Scholarship Fund
Schneider Foundation Award Vet Med
Scholars Bowl Scholarship
School of Architecture Scholarship
School of Social Work Alumni Association Scholarship
Cooper D. Schmitt Mathematics
Scottish Rite Choral Arts Scholarship
Bernadotte Schmitt Scholarship
Scripps-Howard Ernie Pyle Memorial
Alfred Scrivner Athletic Scholarship
Sculli Family Scholarship Fund
Dr. Roy L. Seats Athletic Scholarship
Ruth Sellards Tribune Award Fund
Emile Sellars Scholarship Fund
Lois & Lydia Sellars Memorial Scholarship
Louise & Aileen Sellars Scholarship Fund
Mary Louise Sellars Scholarship
1968 Senior High School Scholarship
Sevier County Scholarship in Organ
Sevier County Swim Scholarship
Sevier Farmers Co-operative Agr. Scholarship
Richard Sexton Rugby Club Scholarship
Arron J. Sharp Scholarship in Botany
Michael Shaffer Memorial Fellowship
Endowment in Accounting
Dr. & Mrs. Dave L. Sheeha Scholarship Fund
Sheeler Writing and Research Award
Shelby Accounting Career Scholarship
Endowment
Shell Assist Grants - Business
Shell Oil Company Fund - Business
Northern Horticulture
L.R. Shoie Scholarship Fund
Beverly Shrode Memorial Agricultural Fund
Siegel Bible Student Development Fund
Sigma Alpha Iota Sorority Scholarship
Tom Siler Scholarship Fund
Tom Siler Scholarship in Communication
Col. Lawrence S. Simcox Memorial Scholarship
Howard Simmons Agriculture Scholarship Fund
Charles S. Simcox Scholarship Fund
Carlos C. & Winnie Simpson Scholarship
Irving G. Simpson Award Fund
Robert & Jean Sinclair Scholarship Award
The Elizabeth Z. Smith Scholarship
Linda McIntosh Smith Scholarship
Charles D. Snepp Scholarship
John Milton Snoddy Scholarship Fund
Dean William T. Snyder Engineering Scholarship Fund
Social Work Fund to 50 Scholarship
Social Work Alumni Scholarship
Society of Professional Journalists Scholarship Fund
Sodee Judging Fund
Southern Shiver & Motor Carrier Council Scholarship Fund
Southern Title Insurance Company Real Property Prize
W.H. South Memorial Law Scholarship Fund
Southern-Peters Endowment in Business
Andrew W. & Marcia K. Spickard Engineering Scholarship
Caesar & Edith Stair Music Education Fund
Luther T. Stanley Athletic Scholarship Fund
E. Eugene Stansbury Fund
Sadie K. Stanton Scholarship
William J. Starr Suzuki String Scholarship
Statistics Endowment Fund
Stalfer Foundation Scholarships Fund
Ruth Stephens International Relations Award Fund
Ruth Stephens Scholarship Fund
Steffen's Hot Tamale Scholarship
Thomas Stevens Athletic Scholarship Fund
Pauline Harsson Stockton Scholarship
Stokely Institute for Liberal Arts
William Stokely Foundation MBA Fellowship
William B. Stokely, Jr. Scholarship Fund
William B. Stokely, Jr. Scholarship in Education
MSC/Elsa Walburn Stone Scholarship
Stouffer Corporation Scholarship Fund
Joe Sullivan III Scholarship
Glen C. Summers Agriculture Fund
Supplemental Education Opp Grant Inc.
Swan Brothers, Inc. Scholarship Fund
Tom Sweeten Memorial Fund
Swimmers Ex-Varsity Scholarship Fund
Georg D. Swingle Graduate Fellowship in Geology Endowment
Tao Sigma Delta Design Competition
Taylor Scholarship in Transportation
Judge George C. Taylor Memorial Scholarship
Jerome G. Taylor Memorial Athletic Scholarship Fund
TEDP Scholarship in Business
Jane Temple Memorial Scholarship Fund
Tenneco Inc. Scholarship
Tennessee Association Corporations
Tennessee Association Ag Agent & Specialists Council of Cooper Scholarship
Tennessee Dairy Prod Assoc Sponsorship
Tennessee Eastman Scholarships in Anthropology
Tennessee Farm Bureau Leadership Scholarships
Tennessee Farmers Mutual Ins. Scholarship
Tennessee Farmers Co-op Scholarship
Tennessee Federation of Federal Land Bank Association Scholarship
Tennessee Federation of Garden Clubs Horticulture Scholarship
Tennessee Hotel/Motel Association Scholarship
Tennessee Howard Johnson Food and Lodging Scholarship
Tennessee Plant Food Education Association Scholarship
Tennessee Road Builders Association Scholarship
Tennessee Tomorrow Law Scholarship Fund
Tennessee Vegetable & Fruit Growers Association Scholarship
Daniel H. Testerman Memorial Scholarship
Texas Scholarships
Texas Scholarship in Engineering
Texas Instrument Graduate Trainee
Escar Thompson Memorial Fund
Mr. Jim Thompson Athletic Scholarship
William M. Tolley Scholarship
Townsend-Kaufauer Memorial Fund
Wilburn B. Townsend Memorial Scholarship Fund
Tri City Metro Ad Fed Scholarship Fund
Stephen T. Trotter Memorial Scholarship Fund
R. S. Tucker Graduate Fellowship
Unisys Scholars - Computer Science
United Handicapped Worker Scholarship
University Evening School Scholarship Fund
US DOT Fellowship - Bowen
US Students Abroad Scholarship Fund
UT Band Scholarship Fund
UT Hospital Auxiliary Nursing Scholarship
UTK Architecture Scholarship Fund
UTK Band Scholarship Fund
UTK General Scholarship Fund
UTK Liberal Arts Scholarship
UTK Music Department Scholarship Fund
UTK Piano Scholarship Competition
UTK Senior Greek Prize
UTK Tourism, Food and Lodging Scholarship
UTK-LITCHES Graduate Program in Medical Ethics
UT Singers Scholarship Fund
R.R. McNeil Scholarship in Education
Lee L. Verstandig Scholarship
Veterans Emergency Loan Fund
Victory Van Lines Scholarship
John M. & Manora C. Viles Scholarship Fund
Vinson & Ellkins Scholarship & Award Fund
Vinylex Corporation Scholarship
Vocational Agriculture Education Fund
Frederick B. Vreeland Scholarship Fund
Dwight R. and Helen Reagan Wade College Scholar's Endowment Fund
Tom & Patti Wade Scholarship
George A. Wagener Graduate Scholarship in Business Education
Fred Collins Walker Scholarship Fund
Pauline C. Walker Memorial Prize
Dean Frank B. Ward Memorial Scholarship Fund
Charles & Myrtle Warner Memorial Scholarship
Harold C. Warner Centurion Scholarship
Washington Farmers Cooperative Scholarship
Watauga Area Mutual Scholarship
Eugene & Mildred Waters Memorial Scholarship
Ira A. Watson Retailing Scholarship
Watte Scholarship
Gordon J. Wilder Gift
William Way Memorial Scholarship
William Way, Jr. Scholarship Fund
Brig. General G. H. Weems Scholarship
Weigel Athletic Scholarship
Horace V. Wells Scholarship Fund
Westvaco Foundation Scholarship Fund
West Virginia Architecture Scholarship
Dan B. Wexler Agriculture Scholarship Fund
White Stores Scholarship
Robert White-Selos Athletic Scholarship Fund
Charles F. Whiteside Memorial Scholarship Fund
Chris Whittle Scholarship Fund
William H. Wicker Law Scholarship Fund
Wildier Athletic Scholarship
Marjorie Wilkins Scholarship
Wilcutts Graduate Fellowship
Shelby Williams Scholarship
Shelley Williams Travel Scholarship
Shelley Williams Portfolio Scholarship
Tony Williams Scholarship Fund
Wilson Farmers Cooperative Scholarship
Frank W. Wilson Scholarship Fund
H.W. Wilson Scholarship Fund
Tony Wilson Memorial Scholarship Fund
John H. Winstead Jr. Memorial Scholarship
Irma B. Witt Memorial Scholarship Fund
Singleton Wolfe Scholarship Endowment
James Woltkiel Scholarship in Graphic Art
Women's Choral Fund Scholarship
Margaret Woodruff Scholarship Fund
Arthur Brownlow Wood Memorial Scholarship
George & Martha Wood Scholarship Fund
Chancellor Glenn W. Woodlee Scholarship
John Wooten Scholarship Endowment Fund
Richard Wooten Scholarship Fund
Working Students Assistance Fund
Senator J. Parks Worley Scholarship Fund
Jack Wright Memorial Scholarship Fund
Gurti Wunderlich Fund in German
C.E. Wylie Scholarship Fund
Jack York & Scott Kendall Scholarship in Finance
Zdyrka Children Memorial Scholarship
Edwin F. Zwickler Memorial Scholarship Fund
HONORS AND AWARDS

DEAN'S LIST
Public announcement of students passing a semester's work "With Highest Honors" (grades from 3.75 through 4.0), "With High Honors" (3.40 through 3.74), "With Honors" (3.0 through 3.39). To be eligible, a student must complete at least 12 hours, not counting work taken on satisfactory/no credit basis.

Effective Summer 1991:
Public announcement of students passing a semester's work "Summa cum laude" (3.80 through 4.00), "Magnus cum laude" (3.65 through 3.79), "Cum laude" (3.50 through 3.64). To be eligible, a student must complete at least 12 hours, not counting work taken on a satisfactory/no credit basis.

The honors and awards available to students at UT, Knoxville are listed with donors below; the right not to award any of the honors or awards listed herein is reserved to The University of Tennessee, Knoxville.

Victor M. Davis Awards. Granted each year to juniors who demonstrate exceptional campus leadership.

COLLEGE OF AGRICULTURE
The American Society of Agricultural Engineers each year selects an outstanding agricultural engineering student for the ASAE Student Honor Award. Based on scholarship, activities, and community contributions, the award consists of a key and certificate.

The American Society of Animal Science awards scholarship medals and embossed certificates to sophomore, junior, and senior students in the Department of Animal Science who are of good moral character and rank scholastically in the top 10 percent of their class.

The Block and Bridle Club recognizes students in Animal Science who are successful in their academic program, have made unusual contributions to the club's program, and show evidence of leadership in their chosen field. Junior and Senior recipients may be entered in National Competition precipitating other awards.

Dee W. Coley Memorial Stockman's Award. Presented by the Coley family in memory of Mr. Dee Coley, master stockman and community leader. Made to an active senior Block & Bridle member with interest in the affairs and activities of the Animal Science Department, and a member of the Meats and/or Livestock Evaluation and Judging Teams.

M. Jacob Animal Husbandry Award. This award originally sponsored by the J.B. Madden family to honor Dr. M. Jacobs who was both head of the Animal Science Department and later Dean of the College of Agriculture... Presented to a senior in Animal Science based on scholarship and overall animal production ability.

Kentucky-Tennessee Society of American Foresters Scholarship. Awarded annually to the junior forestry student with the highest scholastic average. The award is in cash and a framed certificate.

Student-Faculty Council Awards. Each year the College of Agriculture Student-Faculty Council presents plaques to four seniors, three juniors, two sophomores and one freshman student in the college judged to be outstanding. Selection is based on scholarship, character, and demonstrated leadership ability. Plaques are also presented to the two students in each class with the highest scholastic averages.

SCHOOL OF ARCHITECTURE
Ray and Mary Evelyn Andrus Award. Awarded for excellence in design.
Nell Mann Brown Scholarship in Architecture. Awarded to outstanding student.
Hubert Bebb Scholarship. Awarded to outstanding design student at end of second year.
Tennessee Eastman Scholarship in Office Administration. Awarded to undergraduate students only. Recipients shall be selected on the basis of academic excellence. William Smoky Mountain Scholarship. Awarded on the basis of academic achievement and professional promise.

Zeta Lambda Chapter of Alpha Kappa Psi. Professional business fraternity, awards annually the Alpha Kappa Psi Scholarship. Award to the male student pursuing a degree in business who has attained the highest scholastic average for three years of collegiate work in this University.

M. X. Design Minority Scholarship. Awarded each Spring to outstanding freshman minority student.

National Association of Women in Construction Scholarship. Awarded every other year to an outstanding third, fourth or fifth year student from East Tennessee.

Peña Traveling Scholarship. Awarded to outstanding third year student in design.

Alma and Hal Reagan Scholarships. Awarded to promising minority student.

Malcolm Rice Architecture Award. Awarded annually to the third year student showing most improvement in design studio.

Ed Meiers Memorial Architecture Award. Funded by the Tennessee Foundation for Architecture for third, fourth or fifth year student from East Tennessee.

College of Business Administration Scholarship. Awarded annually to an outstanding junior or senior in the School of Business Administration.

Arthur G. Parham Scholarship. Given to an outstanding junior or senior in the School of Journalism who has demonstrated an interest in the field of journalism.

James H. Armistead Scholarship. Given to an outstanding junior or senior in the School of Journalism who has interest in educational journalism.

Malcolm Rice Architecture Award. Awarded to outstanding freshman in the College of Business Administration.

The University of Tennessee Student Government Foundation Scholarship. Awarded to one or more outstanding students in the School of Journalism.

College of Communications Advertising Scholarship Fund. Given to one or more juniors or seniors in the Department of Advertising based on academic achievement and professional promise.

James H. Armistead Scholarship. Given to an outstanding junior or senior in the School of Journalism who has an interest in news-editorial journalism.

Other scholarships are awarded to students in similar areas of study.

The Francis "Red" O'Donnell Scholarship. Given to an outstanding freshman who has graduated from an accredited high school in the Tri-Cities area.

The Nashville Banner Scholarship. It covers one year of tuition and fees for the academic year.

Outstanding Advertising Student Award. Given to an outstanding junior or senior in the School of Journalism.

The Daily Times, Maryville. Scholarship in Journalism. Given to an outstanding junior or senior in the School of Journalism who has an interest in news-editorial journalism.

The Daily Beacon. Scholarship in Public Relations. Given to an outstanding junior in the School of Journalism.

The Francis "Red" O'Donnell Scholarship. Given to an outstanding junior or senior in the School of Journalism who has demonstrated an interest in the field of journalism.

Outstanding Graduate Citation. Certificate to one or more outstanding graduate students from other countries.

The Nashville Banner Scholarship. It covers one year of tuition and fees for the academic year.

Outstanding Student Award. Given to an outstanding junior or senior in the School of Journalism.

Outstanding Graduate Citation. Certificate to one or more outstanding graduate students from other countries.

The Francis "Red" O'Donnell Scholarship. Given to an outstanding junior or senior in the School of Journalism who has demonstrated an interest in the field of journalism.

Outstanding Graduate Citation. Certificate to one or more outstanding graduate students from other countries.

The Francis "Red" O'Donnell Scholarship. Given to an outstanding junior or senior in the School of Journalism who has demonstrated an interest in the field of journalism.

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The Francis "Red" O'Donnell Scholarship. Given to an outstanding junior or senior in the School of Journalism who has demonstrated an interest in the field of journalism.

Outstanding Graduate Citation. Certificate to one or more outstanding graduate students from other countries.

The Francis "Red" O'Donnell Scholarship. Given to an outstanding junior or senior in the School of Journalism who has demonstrated an interest in the field of journalism.
Mechanical and Aerospace Engineering. Outstanding senior major in engineering annual award given by the department to an average or above leadership ability and have maintained a B engineering who have exhibited outstanding standing senior industrial engineering major. Award of handbook and plaque to the outstanding senior industrial engineering to a senior. Based on need, given by the Department of Engineers Award. A cash one-year award, given by the University. For outstanding contribution to the department each year to a member of the student section. Award and certificate presented to an outstanding junior or senior in the School of Engineering graduating with the highest academic average. Given to an entering freshman from any county in Tennessee. Given to chemical engineering senior who has demonstrated outstanding qualities for professional leadership in education, attaining high scholastic average through junior year.

COLLEGE OF ENGINEERING
American Chemical Society. East Tennessee Section of American Chemical Society offers an award each year to an outstanding senior in chemical engineering. American Institute of Aeronautics and Astronautics. Award of one-year membership to a branch member whose performance scholastically and in branch activities has been outstanding. American Institute of Chemical Engineers Professional Achievement Award. Given to chemical engineering senior who has contributed most to student chapter. Name engraved on permanent plaque. Also certificate. American Institute of Chemical Engineers Award. Given to chemical engineering junior who attained highest scholastic average in first two years. Certificate and handbook. American Society of Mechanical Engineers. Award and certificate presented each year to a senior member of the student section for outstanding contribution to the department and the University. Association of Textile Industry Engineers Award. A cash one-year award, based on need, given by the Department of Industrial Engineering to a senior. East Tennessee Chapter of American Institute of Industrial Engineers Award. Award of handbook and plaque to the outstanding senior in the engineering major. Electrical Engineering Leadership Award. One or more cash awards may be made annually to juniors or seniors in electrical engineering who have exhibited outstanding leadership ability and have maintained a B average or above. H.L. Weissberg Memorial Award. An annual award given by the department to an outstanding senior major in engineering science. Letter of recognition, plaque. J. Mac Tucker Outstanding Senior Award. Recognition by the Student Section of the American Society of Mechanical Engineers of the outstanding senior in the Department of Mechanical and Aerospace Engineering. Award is based on leadership, scholarship, and service. Name on plaque. Joel F. Bailey Award. Award by Tennessee Tau Eta Chapter of Pi Tau Sigma to the student in mechanical and aerospace engineering graduating with the highest scholastic record. L. Raymon Shobe Excellence in Engineering Mechanics Award. Given annually to student with outstanding record of undergraduate study in engineering mechanics at UT, Knoxville. Letter, plaque. Tau Beta Pi Outstanding Senior Award. Given by the Tennessee Alpha Chapter. Recognition of a senior in engineering who displays outstanding service, leadership, and scholarship. Name on plaque, cash award. Tau Beta Pi Outstanding Sophomore Award. An annual recognition by the Tennessee Alpha Chapter of a sophomore in engineering who has demonstrated outstanding academic performance and service. Plaque, cash award. University of Tennessee Book and Supply Store Award. An electronic calculator awarded each term. Chosen by departmental committees in rotation. Given to an upperclass student on the basis of need and demonstrated academic performance.

COLLEGE OF HUMAN ECOLOGY

Omicron Nu Sophomore Scholarship Award. Awarded by the home economics honor fraternity. Roane County Council of Home Club Scholarships. Awarded to freshman or transfer student from Roane County High School. Shelby Williams Scholarship. Awarded to interior design and hotel and restaurant administration students; preference given to students from Lakeview (Morristown) area; may be awarded to out-of-state students. Statler Foundation Scholarship. Awarded to hospitality students throughout the United States. Sylvia and Bill Moore Scholarship. Awarded to a senior in child and family studies. Tennessee Rehabilitation Corporation Scholarships. Ten awarded to college majors who need help and who are citizens of Tennessee from a rural area and who have an agricultural background. University of Tennessee General Scholarships. Variable. White Stores Scholarship. Awarded to an entering freshman from any county where a White Store is located.

COLLEGE OF LIBERAL ARTS
John M. Allen Mathematics Prize. Medal, to outstanding freshman mathematics student. Prize is determined by competitive examination. Bain-Swigett Poetry Prize. For excellence in writing conventional forms of English poetry. Philo Sherman Bennett Prize. Established by the late Honorable. Cash award to student submitting best essay discussing principles of free government. Bilotigia Award. Plaque, to the outstanding biology senior. Eleanor R. Burke Award. For excellence in expository writing. Founded in honor of the daughter of a former head of the English department. Captain Robert A. Burke Award. For excellence in English prose fiction. Founded in honor of the son of a former head of the English department. Chi Omega Prize. Given by Pi Chapter of sorority to the senior woman majoring in the social sciences, who has the greatest proficiency in the subject. Dorothy and Edgar D. Eaves Outstanding Teaching Award and Summer Fellowship Awards. Awarded each year to the GTA in mathematics with previous teaching experience who is named the outstanding teacher of the year in his or her group. One or more awards are made to qualified high school teachers who wish to continue their training in mathematics by attending summer school at UT, Knoxville. Arnett A. Elliott Award. Established by the Department of Political Science to honor Arnett A. Elliott and promote scholarship in Political Theory. This award or scholarship is given to undergraduates for distinguished performance in Political Theory. Senior Greek Prize. Established by friends of the classics. Cash award, to member of senior Greek class showing greatest proficiency in the course. Maud Calloway Hays Scholarship. Variable scholarship to senior history major with special interest in U. S. history.
History Department Scholarship. Given to a history major with financial need.

John C. Hodges Scholarships. Each year, ten of the best English majors earn Hodges Merit Scholarships, which pay full tuition. One of these is for an incoming freshman, two are for sophomores, three for juniors, and four for seniors. Applications are not accepted; selection is made by a departmental committee on the basis of superior academic performance in

Italian Studies Award. Established by Italian division of Department of Romance Languages. Cash award to outstanding student in upper-division courses in Italian.

Knickbocker Poetry Prize. For excellence in writing English poetry. Founded by the late Stephen L. Mooney in honor of a former head of the English Department.

Senior of Latin Foundation Prize. Established by friends of the classics. Cash award to member of senior Latin class showing greatest proficiency in the course.

Charles T. McClung Prizes. First and second cash prizes to junior or senior for excellence in composition and declamation. Subjects are set by the Department of Speech Communication.

Mrs. J. Harvey Mathes Tennessee DAR American History Scholarship. Given to a woman student selected by the Department of History.

A.D. Melaven-Rhenium Scholarships. For students in the Bachelor of Science in Chemistry curriculum. Established from funds obtained by the sale of rhenium metal and rhenium compounds prepared by procedures devised by Professor A. D. Melaven. Cash awards given each term to outstanding students.

Rodson H. Robertson Award in Analytical Chemistry. Endowment established by family and friends of the late Professor Robertson. Given to a student with highest scholastic average in sophomore analytical chemistry course.

Bernadotte Schmitt History Scholarships. Two scholarships for academic excellence and one based on financial need. History majors only.

Ruth Simmons Award in International Relations and International Law. Established by the late Mr. and Mrs. Oscar Handly, Knoxville. Given to a student showing greatest knowledge of international relations or international law.

Ruth Stephens History Scholarship. Given to history major for academic excellence.

Rush Strong Medal. Established by the late Benjamin Rush Strong, Knoxville. Medal to student submitting best essay on "The Value of Truth".

Lee L. Verstandig Fellowship in History. Cash award to an outstanding student in history.

Edith Capell Walker Prize in French. Given to senior French major with greatest mastery of language, literature, and civilization of France.

Beta Sigma Delta, national honor society for students in all fields of study. Membership in these societies have chapters at The University of Tennessee, Knoxville. Membership in these organizations is generally based on the student's good character, preferred interest in the chosen field, leadership characteristics, and high scholastic record.

Those honorary organizations, both national and local, with chapters at UT, Knoxville are:

Alpha Chi Sigma, for chemical engineering and chemistry students. The student must have a grade point average of 2.5 in chemical engineering and/or chemistry courses combined and a 2.5 in all academic work and must have been enrolled in this school for at least one semester. Membership is elected by others in the local chapter.

Alpha Epsilon Delta, for students preparing for careers in medicine. Students with minimum 3.0 average in all courses may be pledged at the end of their first year in the University. They may also be initiated in the next year if an appropriate overall average has been maintained.

Alpha Mu Chapter,Eta Sigma Gamma. Students with a major or minor in health and safety are eligible for membership. All undergraduate students for membership must have a 2.5 cumulative average, and each graduate candidate must have graduated with a 2.7 cumulative average or must have a 3.4 graduate scholastic average.

Alpha Phi Omega. Any undergraduate who is a former Scout is eligible for membership. A pledge must have completed one semester or academic work and an SAT score of 2.0 before being eligible for initiation.

Alpha Pi Chapter, Gamma Sigma Delta. Students are chosen for the upper one-third of the senior class and upper one-fifth of the junior class. A minimum 2.5 average is required.

Alpha Phi Omega. Any undergraduate who is a former Scout is eligible for membership. A pledge must have completed one semester or academic work and an SAT score of 2.0 before being eligible for initiation.

Beta Alpha Psi, for accounting students. Any undergraduate accounting major registered in advanced accounting subjects and having a minimum B-minus average in all subjects, is eligible for active membership.

Beta Gamma Sigma, national business honor society for undergraduate students in a major in a College of Business Administration curriculum. Additional criteria pertain to number of business administration credit hours taken and number of transfer hours/previous academic performance for transfer students. M.B.A. students must be in the top 20 percent of graduating class, and B.A. students must complete all degree requirements with a minimum GPA of 3.50.

Chi Epsilon, for civil engineering students. Junior and senior civil engineering majors ranking in the highest one-third of their respective electrical engineering classes.

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 written paper to the group.

Delta Sigma Pi, professional business fraternity for students enrolled in the College of Business Administration. Members must complete a minimum of 30 semester hours of University credit with a scholastic average of at least 2.5 is required for initiation.

Delta Sigma Pro Tau Kappa Alpha honor societies for junior and senior students who have participated at a high level of excellence in intercollegiate forensics of original speaking activities and who rank in the upper 35 percent of their college class.

Delta Theta Phi, for law students.

Eta Kappa Nu, for electrical engineering students. Members may be selected from juniors ranking in the upper one-fourth, or seniors ranking in the upper one-third of their respective electrical engineering classes.

Eta Sigma Phi, honor society for students in classical languages. Membership is open to students who have attained at least a 3.0 average in Latin or Greek courses.

Gamma Beta Sigma, national business, educational-service organization open to undergraduate members, usually inducted in the fall and spring, must have completed 15 hours of study, must rank in the upper 20 percent of their respective college, and must maintain a minimum 3.2 overall average.

Gamma Sigma Delta, agricultural honorary society for graduating seniors, graduate students, faculty members, and alumni. Seniors selected must be in the upper one-fourth of their graduating class in the College of Agriculture and must have attained at least a 3.5 average in at least 16 hours toward the advanced degree. They must have shown promise of superior ability in carrying on advanced study and/or research directly concerned with agriculture and of making worthy contributions to their respective fields.

Gamma Theta Upsilon, honor society for students majoring in geography.

Golden Key National Honor Society. National scholastic honor society for students in all fields of study. Membership is limited to seniors ranking in the upper one-third of their respective college, and must have a 3.2 cumulative average or must have a 3.5 average in at least 16 hours toward the advanced degree.

Iota Lambda Sigma, for industrial education students. No one may be initiated until he has acquired a minimum of 9 hours of industrial education courses with at least a 3.0.

Kappa Delta Pi, national honor society for professionals and students in education. A minimum 3.5 grade point average is required. The society recognizes outstanding contributions to field of education. Membership is by invitation.

Mortar Board, for senior students. Members are elected by students with a minimum 3.0 average for three years of University studies.

National Slavic Honor Society (Dobro Slovo), for students in their third year of study of Slavic literature or related subjects with a minimum average grade of 85 percent or its letter or point equivalent in the subject area and an 80 percent overall average. Members are chosen from the undergraduate and graduate students and faculty of the institution.

Omicron Delta Epsilon, honor society in economics for students and faculty. Student members must have a minimum 3.0 overall
average. Omicron Delta Kappa, for junior and senior students. Omicron Nu, for home economics students. Members are elected from the upper one-fourth of the senior class and upper one-fifth of the junior class, not to exceed 20 percent of any given class. Order of the Coif, for law students.

Phi Alpha Delta, for law students.

Phi Beta Lambda professional fraternity for students enrolled in the College of Business Administration. Prospective members must be enrolled in at least three hours in the college with a minimum of 2.2 overall average.

Phi Beta Kappa, the oldest national academic honorary society, for liberal arts juniors and seniors who are candidates for either the Bachelor of Arts or the Bachelor of Science degree. Grade point average varies with number of hours completed; minimum is 3.5. At least 60 hours must have been earned at UT, Knoxville. Students must have completed the second college year course (or equivalent) in a foreign language. Election takes place in October and April. For detailed statement of requirements, inquire in Liberal Arts Student Academic Affairs Office. 218 Ayres Hall.

Phi Chi Theta, professional fraternity for women interested in a business career. Any female student enrolled in the College of Business Administration or specializing in business and/or economics, and who is at least a second semester freshman and has the all-student average is eligible for membership.

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 Phi, for law students.

Phi Eta Sigma, for freshmen who have a minimum grade point average of 3.5 the first year while carrying a full academic load. All candidates must rank in upper 20 percent of their respective class.

Phi Kappa Phi, broadest of the national honor societies, recognizing all fields of learning. 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.

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

Pi Kappa Lambda, for students in music and music education.

Pi Lambda Theta, a national honor and professional association in education. Open to juniors and seniors with a minimum of 3.2 GPA and graduate students with a minimum 3.5 GPA. Membership is by invitation. Pi Sigma Alpha, for political science students and faculty. Student members are elected solely on the basis of scholarship.

Pi Tau Sigma, for mechanical engineering students. Prospective junior members must rank in the upper one-fourth; and senior members in the upper one-third of their respective mechanical engineering class.

Scabbard and Blade, military science honor society for upperclass students.

Sicariabean Senior Society, local society for students and faculty. Membership is by invitation.

Sigma Alpha Iota, professional music fraternity for women interested in music. A 2.5 overall average is required.

Sigma Delta Chi, professional journalism society. Active membership shall be limited to journalism and broadcasting majors having at least a 2.3 overall grade average and having completed at least 30 hours.

Sigma Delta Pi, for Spanish students. Prospective members must have a minimum 2.75 average in all University work and a minimum 3.2 average in Spanish and must have completed a junior year in Spanish literature or be registered in the last term of such a course.

Sigma Gamma Epsilon, honor society for students in earth sciences. Membership is by invitation, based on scholarship and interest.

Sigma Pi Sigma, physics honors society for upperclass and graduate students, faculty members, and qualified alumni.

Sigma Theta Tau, national nursing honor society for those 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 semesters of the upper-division curriculum with a 3.0 average are eligible for membership, as are graduate students who have completed one-half the master's program with a 3.25 average.

Sigma Xi, scientific research society for advanced graduate students and faculty. Prospective members must have shown noteworthy achievement as original investigators in the pure or applied science fields. Exceptionally brilliant and promising undergraduate 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 one-fifth of the senior engineering class, scholastically ranked, may be elected. Elections are held in the semesters. The organization conducts programs and projects of benefit to students and the University.

Torchbearers epitomize the finest qualities of The University of Tennessee student. Each year the seniors who have contributed the most to the University during their college careers are selected as Torchbearers. Selection is based on scholarship, activities, character, and service.

XI Sigma Pi, forestry honor society for upperclass and graduate students, faculty members, and persons who have attained a national reputation in forestry. Students must have completed 66 hours of credit, including 9 hours in professional forestry courses. When practical, initiates are selected during the junior year to provide the greatest degree of benefits of active membership.
ADMISSION TO THE UNIVERSITY OF TENNESSEE, KNOXVILLE

As the state’s largest and most comprehensive university, The University of Tennessee, Knoxville seeks to provide high quality educational programs for all students who have the academic ability and motivation to adapt to and profit from a baccalaureate education. Similar opportunities are available at the graduate level, see the Graduate Catalog. While the majority of students at UT, Knoxville are residents of the State of Tennessee, the university welcomes qualified students from other states and from outside the United States. Students from a variety of cultures add richness and diversity to the total educational experience for all.

The curricula, supporting programs, and administrative structure at UT, Knoxville are designed to serve students bringing with them a variety of academic backgrounds and experience. Honors courses and sections and special programs challenge a student who previously has demonstrated outstanding overall academic attainment or skills in a particular subject area. However, experience has shown that many students whose past academic records are average can achieve a high level of attainment. This achievement is of vital importance to the student, the University, and the State. The student’s motivation must be sufficiently strong and the University must provide the necessary attention of concerned teachers and advisors. UT, Knoxville encourages persons whose interests and goals have changed with time. Many adults who have little or no college work find that, after some years in the working world, they are both willing and able to take advantage of the study opportunities provided by a major university such as UT, Knoxville. Others who have completed a program of study or have received a degree may desire to expand their knowledge or prepare for a different vocation and may re-enroll or transfer previous credits to UT, Knoxville.

REQUIREMENTS FOR ADMISSION AS A UT, KNOXVILLE UNDERGRADUATE STUDENT

Anyone interested in attending UT, Knoxville as an undergraduate student should contact the Admissions Office, 320 Student Services Building, for application forms and informational booklets. Return of completed forms and transcripts to the Admissions Office results in the formation of an admissions file for each applicant. When a file is complete, an admissions decision is made by personnel in the Admissions Office, and the applicant is notified of the decision by mail.

FRESHMAN ADMISSION

For admission purposes, a student is classified as an entering freshman if:
1. the student has graduated from high school; and
2. the total of attempted college-level credit work at an accredited institution after graduation from high school has been less than 12 hours, excluding summer school and college courses taken while still in high school.

Students are encouraged to apply as early as possible. Early admission contributes to better orientation, course planning, class scheduling and financial aid consideration. High school students planning to apply as freshmen should submit applications as soon as possible after completion of the junior year. Applications for admission are available from many secondary school guidance/counseling offices and from the Office of Admissions, UT, Knoxville, 330 Student Services, Knoxville, TN 37996-0230.

The University seeks to admit those students who can provide evidence of the intellectual performance and potential that will permit them to benefit from UT, Knoxville programs. In 1986 the freshman class, had an average ACT score of 21.4 or an average SAT of approximately 1000 and a high school average of 3.0 on a 4.0 scale.

A prospective student must have completed at least:
• four (4) units of English;
• three (3) units of math including two (2) units of algebra and one (1) unit of advanced math, trigonometry, geometry, or calculus (The College of Engineering requires 3 1/2 years of math including trigonometry and geometry as prerequisites for all courses. The School of Architecture requires 3 and 1/2 years of math including trigonometry and geometry as prerequisites for all offered courses for majors.);
• two (2) units of natural sciences including at least one (1) unit of biology, chemistry, or physics;
• one (1) unit of American history; one (1) unit of European or world history or world geography;
• two (2) units of a single foreign language.

Applicants with foreign language deficiencies from those high schools that do not offer the required two years of a single foreign language may, with proper approvals, be admitted to the University. However, this deficiency must be removed during the first two years (60 semester hours) of University work; courses taken to satisfy foreign language deficiencies may be taken only as electives.

As of Fall, 1993 one (1) unit of art will also be required.

In addition to the application form, a freshman applicant must:
1. Have a final transcript of all high school credits sent to the Admissions Office. If any courses have been taken for college credit, the institution(s) granting credit must be contacted and asked to send an official transcript to the UT, Knoxville Admissions Office as a part of the admission file. Students who have achieved a high school diploma through the General Education Development (GED) Test must have the GED scores sent. Older than average students may be given special consideration. (See re-entry student applicants below.)
2. Send the score report of the American College Testing program (ACT) or the Scholastic Aptitude Test (SAT) to the Admissions Office. The score report is a necessary part of the application.
3. Pay a nonrefundable application fee of $15.00.
4. Submit any additional items and information requested in the application materials or by the Office of Admissions. Any applicant who is denied admission may make written appeal to the Director of Admissions.
Advanced Placement Examinations: Freshmen admitted to UT, Knoxville may receive credit on the basis of performance on one or more of the Advanced Placement Examinations administered by The College Entrance Examination Board in 13 subject areas. The tests are usually taken by high school students preparing to enter college during their junior or senior year.

Departments at UT, Knoxville which grant advanced placement credit for satisfactory test scores include Art, Biology, Chemistry, English, History, French, Spanish, German, Latin, Mathematics, Music, and Physics. The CEEB sends scores and test books on request to the Director of Admissions at UT, Knoxville sometime in June or July. Each participating department decides the acceptable score for credit. Information can be obtained from the Admissions Office or from the Liberal Arts Advising Center.

ADMISSION TO THE SCHOOL OF ARCHITECTURE

The School of Architecture grants and encourages provisional admission at the time of university admission. The program of the School is carefully designed by stages, and students who are not ready for admission at the time of university admission should consult with an Architecture advisor to plan a program that will include early required courses. Specific requirements for admission and progression are listed under the School of Architecture.

TRANSFER APPLICANTS

A student who has attempted 12 hours or more of college credit coursework at one or more accredited institutions of higher learning and who does not qualify as a freshman applicant under the rules described above must apply for admission as a transfer student. In addition to high school transcripts, a complete transcript of all work at each college or university attended should be sent by those institutions directly to the UT, Knoxville Admissions Office. Transcripts carried by the student may be useful in the advising and course selection process, but they are not acceptable in the admissions file. Transfer students who have taken neither the ACT nor the SAT are not required to show evidence of transfer admission to UT, Knoxville; a student may be classified as a freshman, sophomore, junior, or senior, according to the number of hours passed. Only those courses in which a grade of C or better was earned shall be eligible for transfer credit.

The faculty, through the deans and directors of the colleges and schools at UT, Knoxville, has the responsibility for determining which courses from other institutions will be accepted for transfer credit. Certain transferable courses are not equivalent to specific UT, Knoxville courses. These courses may be used to meet specific curriculum requirements only with approval of the UT, Knoxville college or school in which the student's program is located. Appeals concerning transfer of course credit, whether by institutions or by individuals, should be addressed to the dean of the appropriate UT, Knoxville college or school for review.

Prospective transfers to UT, Knoxville are encouraged to complete a sequence of related courses rather than transferring a single course from a single college. Students at two-year community colleges, particularly within the State of Tennessee, are encouraged to complete the associate degree requirements prior to transferring to UT, provided that such action is consistent with their educational goals.

In order to be considered for admission to UT, Knoxville, a transfer student must have a transfer grade point average of 2.00 or better (on a 4-point scale) for all courses eligible for transfer credit.

INTERNATIONAL STUDENT APPLICANTS

All foreign nationals on non-immigrant visas are classified as international students whether they are applying to UT, Knoxville as freshmen or transfer students. In addition to the information below, a pamphlet entitled "UT, Knoxville Transcripts Information" is available from the Admissions Office or from the Center for International Education.

To apply for admission as an undergraduate student, each international student is required to provide the following:

1. A completed application for undergraduate admission;
2. Authenticated copies of all academic records, which 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 regionally accredited colleges or universities in the United States (see c below) - must present a "Test of English as a Foreign Language (TOEFL)" score of at least 525 (earned within two years prior to application). Note: Admission cannot be granted until test results are received by the Director of Admissions.
   b. The University of Tennessee English Placement Test must be taken prior to registration; this test will determine whether the student needs to take more English and, if so, at what level. The English Placement Test grants no credit. Students assigned to special English courses must enroll in them. In the event of evidence, stay continuously enrolled in the assigned courses until completion of all requirements, and should complete the requirements within the first year of continued enrollment at The University of Tennessee, Knoxville.
   c. An undergraduate student whose first language is not English is exempted from taking the UT, Knoxville English Placement Test and from presenting a TOEFL score of 525 provided that the student has satisfied all requirements for freshman composition with a grade of C or better at an accredited college or university in the United States. Freshman English for Students does not exempt a student from presenting a TOEFL score of at least 525.
   d. A United States citizen or permanent resident whose first language is not English but who has graduated from a high school in a country whose first language is English, may be admitted with the minimum ACT English score of 20 (SAT verbal 410) or TOEFL 525. Any other United States citizen or permanent resident whose first language is not English must conform to the regulations stated in a, b, and c above.

4. Applicants from certain countries are required to make significant monetary deposits prior to issuance of Form I-20 to secure a student visa.

5. International students must enroll in the health and accident insurance plan provided by UT, Knoxville.

International students are subject to various enrollment limitation regulations comparable to those affecting U.S. citizens. The Admissions Office will notify any applicant of any applicable regulations in effect at the time of application.

FEES FOR SPONSORED INTERNATIONAL STUDENTS

An administrative management fee will be charged to sponsoring agencies of international students whose programs require special administrative or management services beyond those normally provided. Fees are $250 per semester and $100 per summer session.

VISITING STUDENT APPLICANTS

A visiting student is one who is actively enrolled in a program in a regionally accredited institution of higher learning but who desires to enroll temporarily at UT, Knoxville because of the availability of certain coursework or because of temporary residence in the Knoxville area.

Visiting students are admitted for one semester. Students desiring to transfer to UT, Knoxville must file an application for admission as a transfer student. Students desiring to attend UT, Knoxville on an interim basis for only one semester must submit, in addition to the application form a letter of good standing from the institution at which enrolled.

Since academic records will not be available at UT, Knoxville courses in a visiting student's degree program is a matter to be decided by the home institution. Academic advising will be limited to information about courses in which the student enrolls and may be obtained from the academic departments. Visiting students must have the required background (prerequisites) and meet all other course requirements. Academic overloads will not be permitted.

RE-ENTRY STUDENT APPLICANTS

A re-entry student is one who has not been enrolled in school for 3 years or more prior to making application for admission to UT, Knoxville. Freshman or transfer re-entry students should submit high school transcript(s) to the Admissions Office. Transfer re-entry students must submit high school transcript(s) and transcripts of all previous college work. ACT/ SAT scores are not required for either freshman or transfer re-entry students.

Admissions decisions will be made on an individual basis. Exceptions to the admissions criteria may be made for those applicants who demonstrate sufficient preparation.

No applicant who has attended UT, Knoxville will be considered a re-entry student. Former UT, Knoxville students should follow readmissions procedures as described elsewhere in this catalog.

NON-DEGREE STUDENT APPLICANTS

Persons desiring to take courses for credit, but who do not intend to pursue a degree, should apply for non-degree status. The Admissions Office processes all applications.
regardless of intended registration location. Non-degree students must show evidence of satisfactory preparation for the courses they wish to take. Ordinarily the high school class of a non-degree student must have graduated.

Formal University of Tennessee students may not be admitted in this category prior to the receipt of a bachelor's degree.

If there is a change in educational goals leading to interest in a degree program, a non-degree student must meet all previously indicated transfer, admission, or college association requirements for admission to degree seeking status. No more than 60 semester hours of accumulated college credit (from all institutions attended) may be used by a non-degree student in any subsequent degree program at UT, Knoxville.

SENIOR AND DISABLED APPLICANTS

Persons 60 years of age or older and/or totally disabled persons who are residents of Tennessee may audit courses without payment of fees if space is available in the individual class. Persons 65 years of age or older or totally disabled persons who are residents of Tennessee may enroll in courses for credit at reduced fees. Interested persons should inquire at The University of Tennessee Evening School, 451 Communications Building, during regular working hours.

ACADEMICALLY TALENTED HIGH SCHOOL STUDENTS

Academically talented high school students enrolled in grades 9, 10, 11, and 12 in public or private school in Tennessee may enroll and receive regular college credit from a Tennessee postsecondary institution if: (1) they receive the recommendation and approval of the high school principal and appropriate higher education institution personnel; (2) they have a grade point average equivalent to 3.2 or higher on a 4.0 scale; and (3) such placement is a part of the student's planned Individual Educational Placement (IEP) as established by the multidisciplinary team process.

FRESHMAN EARLY-ADMISSION STUDENTS

Freshman early-admission students are those who have completed the junior year of high school, have a grade point average of at least 50 in grades 9, 10, 11, and 12, and have completed one unit of 405 in grades 10, 11, and 12. Students who have completed one unit of American history as part of their public school curriculum may be admitted on the basis of application. Full-credit students must have received their high school diploma; however, the University of Tennessee may audit courses without payment of fees if space is available in the individual class. Persons 65 years of age or older or totally disabled persons who are residents of Tennessee may enroll in courses for credit at reduced fees. Interested persons should inquire at The University of Tennessee Evening School, 451 Communications Building, during regular working hours.

EXCEPTIONS TO ADMISSIONS REQUIREMENTS

The University requirements for the various categories of admission are thought to be reasonable and consistent with good educational practice. Thus, these requirements are not normally waived or modified for any applicant, except as specifically noted.

However, unusual circumstances sometimes exist. If a potential student thinks that some part of the requirements for the category sought should not apply as stated, he/she should write a letter to the Director of Admissions. The letter should state clearly the specific circumstances prompting the appeal and what changes in the stated requirements are sought. The reply to this letter will indicate whether any exception to the requirements will be made, the reasons for the decision, and what actions the student may take. The Dean of Admissions and Records has the prerogative of making exceptions on the minimum criteria for applicants who do not show high aptitude in certain scholastic skills but who offer indications of ability to progress through UT, Knoxville and earn a degree.

DEADLINES FOR APPLICATIONS

Completed application materials and supporting credentials for first time freshmen and transfer students must be received in the Office of Admissions no later than the following dates: July 1 for Fall Semester; November 1 for Spring Semester; and April 1 for Summer Term. Any applicant who wishes to be considered for financial aid for the school year must submit completed application by March 1. Former students who have been dropped from the University for academic deficiency must apply for academic readmission and provide supporting materials to the Director of Readmissions no later than six weeks before the start of classes of the semester they wish to enter.

Former students who left the University in good standing who have not registered for at least two semesters must apply for readmission no later than three weeks prior to the start of classes of the semester they wish to enter.

Former students who left the University in good standing who have not registered for at least two semesters must apply for readmission no later than three weeks prior to the start of classes of the semester they wish to enter.

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.

Non-degree students must show evidence of satisfactory preparation for the courses they wish to enter. The readmissions application for Summer Term for students in good standing is one week prior to the start of classes.

FEE CLASSIFICATION FOR THE PURPOSE OF PAYING UNIVERSITY FEES AND FOR ADMISSION PURPOSES

Students are classified as in-state or out-of-state for the purpose of paying University fees. The classification is determined by the information recorded on the application for admission and must be reviewed as the result of submission and may be reviewed as the result of submission of a subsequent fee classification questionnaire. Notice of classification is sent back shortly after the student applies to the University. The determination is made on the basis of the regulations established by the Board of Trustees, with the intent that all public institutions of higher education in Tennessee apply uniform classification rules. Basically, these regulations state that (1) students receiving parental support are classified according to parental domicile, and (2) an emancipated student independent of parents may establish in-state classification by producing satisfactory evidence of Tennessee domicile with proof that the move to Tennessee was not primarily for obtaining educational opportunities for themselves, dependants, or spouse. Former University of Tennessee students who have completed one unit of American history in order to establish in-state status. No more than 60 semester hours of accumulated college credit (from all institutions attended) may be used by a non-degree student in any subsequent degree program at UT, Knoxville.

However, out-of-state tuition will be charged for any term during which reclassification is sought and obtained unless application for reclassification is made to the classification officer on or before the last day of regular registration of the term. Reclassification shall be effective as of the date on which reclassification was sought.
SOCIAL SECURITY NUMBER USE
The University of Tennessee, Knoxville, requires assignment of an individual student 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 the university number unless, 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 State Board of Education requires all students preparing for a teaching career in Tennessee to pass a standardized test of basic skills (Pre-Professional Skills Test) prior to admission to teacher education programs.

CREDIT HOURS, GRADES AND GRADE POINT AVERAGE
The basic unit of credit at The University of Tennessee, Knoxville, is the semester hour. This normally represents one hour of lecture or recitation or two hours of laboratory work per week. Each course at the University carries a number of credit hours 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. Passing grades normally carry with them a certain number of quality points per credit hour in the course. A student's grade point average is obtained by dividing the number of quality points the student has accumulated at UT, Knoxville by the number of hours the student has attempted at UT, Knoxville. Hours for which grades of I, N, NC, W, S, and W grading. The grade of I for incomplete work will not be counted in computing a student's grade point average. NC (no credit) indicates failure to complete a course satisfactorily when taken on an S/NC basis. S (satisfactory) is assigned for C or better work when a course is taken on an S/NC grading basis. W (withdrawal) is assigned in courses when a student has officially withdrawn from the University. Regulations concerning withdrawal from courses or from the University appear in a following section of this catalog, entitled "Changes in Registration."

SATISFACTORY/NO CREDIT GRADING SYSTEM
The purpose of this system is to encourage the student to venture beyond the limits of those courses in which the student usually does well and, motivated by intellectual curiosity, explore subject matter in which performance may be somewhat less outstanding than work in other subjects. To this end, Satisfactory/No Credit (S/NC) grading has been developed for undergraduate courses (100-, 200-, 300-, and 400-level courses). Neither grade is counted in a student's grade point average. A grade of I for incomplete work will not be counted in computing a student's grade point average. A student may not repeat a course for S/NC if the student received a conventional grade (A, B+, B, C+, C, D, F) and a temporary grade (NC). The instructor of a conventionally graded course will not be informed which student, if any, has elected S/NC grading. If the student elects non-conventional grading, grades of A, B+, B, C+, C will be recorded on the student's permanent academic record as S, and D or F as NC. The grade of I for incomplete work will be recorded as an S, which will not be computed in the average. A student is permitted to change the system of grading in a course through the add deadline. The changing of an S/NC grade to a conventional letter grade or vice versa is not permitted unless an error is determined by the Registrar.

FRESHMAN ENGLISH
English 101, 102, 118, 121, 131, and 132 are offered on a system of A, B+, B, C+, C, I, NC, W grading. All entering freshmen, except international students, must enroll in English 101, 102 or 118.

REPEATING COURSES
For all courses taken prior to and during an undergraduate student's first 30 semester hours (attempted) of collegiate study, only the last grade earned in a course that a student repeats will be counted in computing his or her grade point average. These courses must be repeated before a student attempts 60 semester hours of credit in order to be eligible for this policy. For all courses taken beyond the 30 semester hour provision, all grades in all courses will be included when computing the grade point average.

UNIVERSITY GRADES
Unless otherwise specified in the course description, no course may be repeated more than twice and no course may be repeated in which a grade of C or better has already been earned. Exceptions to the number of times a course may be repeated will be allowed only with prior written permission of the student's college dean. Each course is counted only once in determining credit hours presented for graduation.

MID-TERM PROGRESS REPORTS
Mid-term progress reports are issued to all students who have attempted fewer than 30 credit hours at UT, Knoxville and to students in academic review. On the progress report instructors indicate whether the student's work is unsatisfactory or at the level of a C grade or better. The reports are sent to the student and to the student's advisor or advising center. They are not entered on the transcript.

GRADUATE SCHOOL GRADES
Graduate students and undergraduates taking courses for graduate credit are graded as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>(4 quality points per hour), superior performance</td>
</tr>
<tr>
<td>B+</td>
<td>(3.5 quality points per hour), better than satisfactory performance</td>
</tr>
<tr>
<td>B</td>
<td>(3 quality points per hour), satisfactory performance</td>
</tr>
<tr>
<td>C+</td>
<td>(2.5 quality points per hour), less than satisfactory performance</td>
</tr>
<tr>
<td>C</td>
<td>(2 quality points per hour), performance well below the standard expected of graduate students</td>
</tr>
<tr>
<td>F</td>
<td>(no quality points), extremely unsatisfactory performance and cannot be used to satisfy degree requirements</td>
</tr>
<tr>
<td>I</td>
<td>(no quality points), a temporary grade indicating that the student has performed satisfactorily in the course but, due to unforeseen circumstances, has been unable to finish all requirements. An I is not given to enable the student to do additional work to raise a deficient grade. The course will not be counted in the cumulative grade average until a final grade is assigned. No student may graduate with an I on the record. Consult the Graduate Catalog for regulations concerning the removal of incomplete grades.</td>
</tr>
<tr>
<td>S/NC</td>
<td>(carries credit hours, but no quality points), a temporary grade indicating that the student has performed satisfactorily in the course but, due to unforeseen circumstances, has been unable to finish all requirements. No student may graduate with an S/NC grading. Courses where NC is received may be repeated for an S/NC grading is allowed only where indicated in the course description in the Graduate Catalog. The number of S/NC courses in a student's program is limited to one-fourth of the total credit hours required.</td>
</tr>
<tr>
<td>P/NP</td>
<td>(carries credit hours, but no quality points), P indicates progress toward completion of the course.</td>
</tr>
</tbody>
</table>

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completion of a thesis or dissertation. NP indicates no progress or inadequate progress. W (course with no credit hours or quality points) indicates that the student withdrew from the course.

No graduate student may repeat a course for the purpose of raising a grade already received, with the exception of NC. A graduate student may not do additional work to raise a final grade.

LAW SCHOOL GRADES

Law students are graded on a numerical scale from 0.0 to 4.0. Quality points per hour of credit in a given course are equal to the numerical grade received in the course. Grades of 0.9 and below count as failures. Some courses are graded on an S/NC basis.

GENERAL REGULATIONS

ACADEMIC ADVISING AT UT, KNOXVILLE

Faculty, administrators, and professional staff on this campus consider advising both a responsibility and an opportunity for improving each student's pattern of undergraduate education. There are many situations during an academic program when a student will find informed academic and career advice helpful.

The objective of the academic advising system at UT, Knoxville is to help a student at each stage to define the choices that must be made and to give any needed guidance.

At the time of application for admission to UT, Knoxville, each student is asked to indicate whether he/she has already identified a preferred college or school. Advising centers in each college handle all freshmen and a substantial amount of sophomore advising; major advisors within the college, working closely with the advising center, guide advanced students. At all levels, campus-wide guidelines for good advising are supplemented by specific college standards, guidelines, and evaluations.

Prior to advanced registration, during each main term of the academic year (i.e., during Spring and Fall), each student has the obligation to consult an advisor for a substantial conference.

Students who are admitted as university students and have not yet declared an interest in a specific college are advised by the College of Liberal Arts Advising Center, 220 Ayres Hall, with assistance of advisors in other colleges and career planning.

New students at UT, Knoxville should review carefully the prescribed curricula of the respective degree-granting units and choose courses in accordance with their college preference. An advisor assists a student in selecting subjects to ensure a well-balanced education and interprets university and college policies and requirements.

However, the student, not the advisor, bears the ultimate responsibility for selecting courses, meeting course prerequisites, and adhering to policies and procedures.

Part-time students, particularly those registering through Evening School, should establish contact with an advisor in the college with which they are associated or in which they have expressed an interest.

Assistance to students with academic problems or questions is provided by course professors, advisors, department heads, and college deans or advising centers. Numerous other sources of academic, career, and personal counseling exist on the UT, Knoxville campus and are available to admitted students. These are described in this catalog under "Student Affairs and Services."

ACCELERATED PROGRAM

The University operates on the semester calendar, and a majority of its courses, especially at the lower division, are offered every term. Through appropriate arrangements of courses and attendance during the summer terms, 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.

CLASS ATTENDANCE AND ELIGIBILITY

Only students who are properly registered for a course may attend its classes on a regular basis. Any other person in the classroom for special reasons must obtain the consent of the instructor.

It is the prerogative of the individual instructor to set the attendance requirements for a particular class. This means, for example, that an instructor in Freshman English may state in a syllabus how many absences are allowed before a student receives a grade of No Credit.

CLASSIFICATION

Undergraduate students are classified according to the following chart, on the basis of semester hours passed.

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

CLASSIFICATION OF STUDENTS BY SEMESTER HOURS PASSED

<table>
<thead>
<tr>
<th>YEAR</th>
<th>Architecture</th>
<th>All Other Undergraduate Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>0-31.9</td>
<td>0-29.9</td>
</tr>
<tr>
<td>Second</td>
<td>32-63.9</td>
<td>30-59.9</td>
</tr>
<tr>
<td>Third</td>
<td>64-95.9</td>
<td>60-89.9</td>
</tr>
<tr>
<td>Fourth</td>
<td>96-127.9</td>
<td>90-up</td>
</tr>
<tr>
<td>Fifth</td>
<td>128 - up</td>
<td></td>
</tr>
</tbody>
</table>

CLEP CREDIT

When approved by a given department, nationally recognized examinations, such as the examinations of the College Level Examinations Program (CLEP) of the College Entrance Examination Board, may be used as proficiency examinations in one or more courses offered by that department. The final decisions, as to specific courses for which such examinations are to be taken, are based on evidence of acceptable proficiency, and as to the minimum score required for credit to be given, rest with the department.

The CLEP examinations may be taken at the Center for Extended Learning, 400 Communications and University Extension Building. The Center supplies information on test dates and procedures, and also current departmental policies concerning the acceptability of CLEP credit.

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 accepted for students enrolled in the College of Education.

All courses taken by correspondence for which degree credit is given must meet degree program requirements, except by prior permission of the dean of the college or school in which they are enrolled. A senior may take only six hours of the last year's work (the last 30 semester hours) by correspondence, and this must be taken with The University of Tennessee, Knoxville. If the student is a senior transfer, no work may be taken by correspondence.

All correspondence courses must be open to students who have been dropped from the University for academic reasons only with the prior permission of the dean of the college or school in which they were enrolled.

A student may take only six hours of the last year's work (the last 30 semester hours) by correspondence, and this must be taken with The University of Tennessee, Knoxville. If the student is a senior transfer, no work may be taken by correspondence.

Students taking correspondence courses must have the approval of the department in which they were enrolled.

A senior may take only six hours of the last year's work (the last 30 semester hours) by correspondence, and this must be taken with The University of Tennessee, Knoxville. If the student is a senior transfer, no work may be taken by correspondence.

Students taking correspondence courses must have the approval of the department in which they were enrolled.

A senior may take only six hours of the last year's work (the last 30 semester hours) by correspondence, and this must be taken with The University of Tennessee, Knoxville. If the student is a senior transfer, no work may be taken by correspondence.

Students taking correspondence courses must have the approval of the department in which they were enrolled.

A senior may take only six hours of the last year's work (the last 30 semester hours) by correspondence, and this must be taken with The University of Tennessee, Knoxville. If the student is a senior transfer, no work may be taken by correspondence.
DEVIATION FROM CATALOG RULES

The University offers a petitioning procedure through which students can occasionally gain exceptions to the general rules included in this catalog. It is the direct responsibility of the student who seeks to deviate from the rules to complete the petitioning process. In cases where this might affect the student's eligibility to enroll in a particular course, the student should begin the petitioning process during the previous term and must gain final approval for the petition no later than the add deadline of the term involved.

FAILURE TO MEET PROGRESSION REQUIREMENTS

Undergraduate students who are not eligible to progress in a college, school, or major with such requirements will be notified and assigned to the advisor to University Students who advise the student and approve enrollment requests until the student is enrolled in another college or major.

FINAl EXAMS

Any final exams must be given during the final exam period at the scheduled time, although alternative uses of the scheduled exam period may be designated by the instructor.

Students are not required to take more than two written exams on any day. The instructor(s) of the last non-departmental exam(s) on that day must reschedule the student's exam during the exam period. It is the obligation of students with such conflicts to make appropriate arrangements with the instructor at least two weeks prior to the end of classes.

No in-class, written quizzes or tests counting more than 10% of the semester grade may be given the last five calendar days counting more than 10% of the semester grades prior to the end of classes.

The giving of the examination must be adequately proctored.

An essential feature of the University of Tennessee, Knoxville is a commitment to maintaining an atmosphere conducive to academic integrity and academic honesty. As a student of the University, I pledge that I will neither knowingly nor receive any inappropriate assistance in any academic work which I miss due to absences caused by severe weather conditions. It is the individual student's responsibility to take the initiative to make up any missed classwork, and it is the instructor’s responsibility to provide a reasonable opportunity for students to complete assignments or examinations missed due to such absences.

MINIMUM CLASS SIZE

An undergraduate course will not normally be offered for fewer than fifteen students at the lower division; twelve at the upper division; and nine at the graduate level except by permission of the Provost. The University reserves the right to cancel, postpone, or combine when necessary.

PROFICIENCY EXAMINATION

A proficiency examination may be given in any academic course offered for undergraduate credit. The University policy is to reserve the departments the decision as to which courses, if any, cannot be passed by proficiency examinations.

When applying to a department for a proficiency examination, a student should present evidence of having developed the abilities, knowledge, and attitudes expected of those who have taken the course in question. The giving of the examination must be approved by the head of the department in which the course is offered. A fee must be paid in advance at the Office of Registrar.

Subject to the grading policy of the college in which the student is enrolled, and except for courses which are graded only on an S/NC basis, a student who passes a proficiency examination and who wishes to have the grade recorded may choose to take the grade on the examination (A, B+, B, C+ or C) or take an S. An S gives credit for the course but does not affect the grade point average. If a grade of D or F is made on a proficiency examination, the department is expected to note the attempt but no record of the examination is made on the student's transcripts. The maximum or minimum grade obtainable through proficiency examination and the use of proficiency examinations to remove failing grades (also the grade of I) are determined by the department offering the proficiency examination.

Entering international students whose native language is not English are required to take the UT, Knoxville English Proficiency Examination to determine placement in the appropriate English course. No credit for any English course is awarded through this special examination.
PROGRAM ASSESSMENT AND IMPROVEMENT THROUGH STUDENT EVALUATION

In order for the University to assess and improve its academic programs, periodic measurements of student perceptions and intellectual growth must be obtained. As a requirement for graduation every student shall participate in one or more evaluative procedures, which may include examinations in general education and/or the major field of study. The evaluative information obtained through testing is used solely to improve the quality of the educational experience for future generations of students.

SECOND MAJORS AND MINORS

Students may pursue any available minors or second majors which will be so noted on their transcripts upon graduation. Students should understand that meeting the requirements of minors or second majors may lengthen their academic programs and should consult closely with advisors in both areas.

SENIORS ELIGIBLE FOR GRADUATE CREDIT

A senior at The University of Tennessee, Knoxville, who needs 30 semester hours or less to complete the requirements for a bachelor's degree and has a 3.00 grade point average, may take sufficient work for graduate credit to fill out a schedule of 15 hours of combined undergraduate and graduate work per semester, subject to the approval of each term of the Dean of the Graduate School.

SPECIAL REQUIREMENTS FOR STUDENT-ATHLETES

Student-athletes participating in intercollegiate sports under the provisions of the National Collegiate Athletic Association and the Southeastern Conference must fulfill the NCAA academic progress requirements in addition to the University's academic continuation and retention policies for continuation of eligibility to participate in intercollegiate sports.

TEACHER CERTIFICATION

Teacher certification is a responsibility of the College of Education of The University of Tennessee, Knoxville. Students desiring certification must meet general education, professional education, and area of specialization requirements described in the College of Education section of this catalog.

UNIVERSITY STUDENTS

Many students are undecided about their major when they enter UT, Knoxville. All undecided students are designated University Students and are advised by the Liberal Arts Advising Center. While it is proper to explore alternative choices, student should also aim at pursuing a course of study that culminates in graduation. For this reason students who enter UT, Knoxville as freshmen may remain as University Students no longer than through the completion of 15 semester hours. UT, Knoxville students who fail to progress in a given major, college, or school and are undecided about an alternative course of study may continue at UT, Knoxville as University Students for a maximum of 15 semester hours. All students, whether enrolled in a college or school or University Students, must be accepted by the college or school of their major for a minimum of the last year of study (30 semester hours prior to graduation).

WRITING COMPETENCE

The faculty of all colleges expect students to communicate effectively in standard written English in laboratory reports, examinations, essays, and other written assignments.

WRITING DEFICIENCY

If a student cannot fulfill the requirements for a course because of an inability to communicate in writing, the instructor will give the student an "IW" to designate "incomplete due to writing". Any student who receives an "IW" should report to the Writing Center for appropriate referral. As with other incompletes, the student will have one calendar year to make up the deficiency automatically if satisfactory changes to reflect failure for the course.

REGISTRATION

Dates for orientation and registration are announced to new transfer and freshman students when the Certificate of Admission is issued. Graduate students are instructed when to register upon receipt of their Admission Status. Former students who have been absent from UT, Knoxville other than the summer term and students who have withdrawn from the previous semester will receive registration information with their letter of readmission. Evening School students should contact the University Evening School for registration times.

REQUIREMENTS FOR REGISTRATION OF ADMITTED STUDENTS

Medical History. Though a physical examination is not required, a Medical History Questionnaire is sent to all admitted students and must be completed by the student, parent, or other responsible party who is familiar with the student's medical history. Such information will facilitate University physicians in providing continuing health care. This form must be returned to the Student Health Service before enrollment.

Participation in Orientation. Beginning freshmen and transfer students are required to attend an orientation session prior to their first registration at the University. Schedules for these programs are mailed to admitted students by the Dean of Student Conduct and Orientation. Orientation programs are designed to help new students become acquainted with opportunities and services at the University and to provide information needed for registration. Students who wish to attend the Evening School should contact the University Evening School for information about registration and orientation.

FIRST CLASS MEETING

Students who do not attend the first class meeting may be dropped from the course unless they have made prior arrangements with the department. It is the responsibility of students to take whatever steps necessary to see if they have been officially dropped from a course.

MAXIMUM HOURS PER TERM

Undergraduate students may enroll for a maximum of 19 credit hours each semester unless a lower maximum is specified by the college or school in which the student is enrolled. Enrollment in more than 19 hours must be approved by the dean of the student's college or school. Graduate students may enroll for a maximum number of 15 credit hours each semester. Enrollment in more than 15 hours must be approved by the Dean of the Graduate School. Law and Veterinary Medicine students may enroll for the maximum number of credit hours each semester as specified by the respective college.

MAXIMUM HOURS PER TERM FOR SUMMER

Undergraduate students may enroll for a maximum of 6 credit hours for each of the first and second sessions. Students may enroll for a maximum of 12 credit hours for those courses that extend beyond the end of the session. Students may enroll for a maximum of 12 credit hours in any combination of summer session courses. Enrollment that exceeds the maximum must be approved by the dean of the student's college or school.

AUDITING COURSES

Students may enter classes as auditors with the consent of the instructor. The instructor will determine the appropriate requirements or restrictions. Auditors receive no credit and the audited course will not be recorded on the transcript. The student's name will appear on the class role to inform the instructor that the student is properly enrolled as auditor. Auditors are required to register and pay fees. Prior to the drop and add deadline, a change from credit to audit or from audit to credit may be made by completing the change of credit portion of the Undergraduate Change of Registration Form and having it processed at a terminal in Drop/Add. Once the drop and add deadline is passed, a change will not be allowed.

PREREQUISITE AND COREQUISITE COURSES

Students must meet prerequisite and corequisite requirements for all courses with such restrictions, and no student shall be permitted to register for those courses in which the requirements have not been met.

CHANGES IN REGISTRATION

Students may add courses through the tenth calendar day counted from the beginning of classes. Because of the nature of some courses, permission of the department head or instructor may be required to add a course after classes begin. Students may also, as departmental policies permit, change section of a course through the tenth day. Students must fill out and submit the appropriate form for section changes in order to receive credit for the course.

Students may withdraw from courses without penalty prior to the drop deadline. For all
undergraduate students, the drop deadline is 22 calendar days after the beginning of classes. Consult the current timetable for announced calendar dates. The exceptions to this deadline are summer and other special sessions. Students should consult the summer term timetable for the appropriate drop deadline. Any course may be dropped before the drop deadline specified above without notation on the academic record. In order to drop a course students must fill out and submit a drop form to the Registrar’s Office.

Evening School students should consult the University Evening School timetable for procedures to drop courses. Graduate students should consult the Graduate Catalog for regulations concerning dropping courses. After the drop deadline, any undergraduate or graduate student who drops a course will receive the grade of F unless it can be demonstrated that the request to drop the course is based on circumstances beyond the student’s control. Examples of these circumstances are illness or injury verified by the Student Health Service or private physician), or necessary change in work schedule occurring after the drop deadline (verified by the student’s employer). Examples of causes which would not entitle a late drop to improper registration by the student or failing a course.

WITHDRAWING FROM THE UNIVERSITY

All official withdrawals from the University for undergraduate day school are made through the Readmission and Withdrawal Office. It is important that all students who leave the University before the end of a term report their withdrawal to this office. Official withdrawal from the University by Evening School students is made through the University Evening School.

If an undergraduate student officially withdraws from the University before the drop deadline of 10 days (or 22 days for first semester undergraduate students) after the beginning of classes, the grade of W will be given in all courses in which the student is currently enrolled. Summer term drop deadlines are published in the summer term timetable. In cases of withdrawal before the drop deadline, the Registrar will be notified of the date of withdrawal, who will then inform the instructor that the grade in those courses is automatically W. Graduate students should consult the graduate Catalog for regulations concerning withdrawal from the University.

Any undergraduate student who withdraws from the University after the drop deadline of 10 calendar days (or 22 days for first term undergraduates) will receive the grade of F in all courses in which the student is currently enrolled unless it can be demonstrated that the request to withdraw is based on circumstances beyond the student’s control. Examples of these circumstances are listed above in the section on changes of registration.

UNDERGRADUATE RETENTION STANDARDS

TRANSFER STUDENTS

A transfer student who has been conditionally admitted must meet the regular University standards of retention during the first term, or any subsequent term before attaining good standing.

ACADEMIC SECOND OPPORTUNITY

As an aid to the serious re-entry student whose previous academic work was below average, the following policy regarding the treatment of previous college-level academic work is available. An undergraduate student who has not taken any college-level credit courses for three calendar years or more prior to admission or readmission to UT, Knoxville may petition for Academic Second Opportunity. Whether or not Academic Second Opportunity is granted is at the discretion of the Committee of Readmission. If granted, all previous academic work will remain on the permanent record, but the grades for such work will not be used in the computation of the grade point average or in the determination of good standing for retention purposes.

Prior courses in which a “C” grade or better has been earned may be used to meet major, distribution, and graduation requirements; the previous grades will be computed as Satisfactory (S) grade. At least 30 hours must be completed at UT, Knoxville after readmission. In addition, at least 60 semester hours of letter grades (A-F) must be earned after readmission in order to complete all qualifying examinations for graduation with honors. Academic Second Opportunity may only be declared once. All petitions for Academic Second Opportunity must be submitted to the Committee on Readmissions no sooner than completion of the first semester at UT, Knoxville and no later than one calendar year following readmission to UT, Knoxville.

READMSSION

A student in good academic standing who has withdrawn from school or who has been absent for a term other than the summer must make application for readmission. Transfer students must apply for readmission before the deadline.

A student who has been dropped academically must apply for readmission.

Former students who in the interval have been enrolled in accredited senior college or university must apply for readmission. An official transcript from other institutions attended and an acceptable combined cumulative grade point average are required for readmission. To register for credit courses in any branch, center, or division of the University controlled by the Knoxville campus (except correspondence courses), a student must meet the readmission regulations that govern courses for credit at the Knoxville campus. Deadlines are available in the Readmissions Office.

ACADEMIC REVIEW

The University of Tennessee expects all students who enter the University to remain in good academic standing. To accomplish this, the University has established retention standards. To graduate from UT, Knoxville, the minimum cumulative GPA must be 2.00. The catalog contains additional retention, progression, and graduation requirements for specific programs.

A student whose cumulative or semester grade point average falls below the minimum acceptable level of 2.00 will be placed in academic review for the subsequent semester of enrollment. During that semester and any other semesters in review, a student must participate in a special advising program in the Dean’s Office of his or her college or school. If, while in review, a student does not maintain a 2.00 grade point average for hours attempted each term, the student must meet with a committee appointed by the academic dean of the college or school of enrollment. This committee will determine the most appropriate academic action. In turn, a commitment from the student to accomplish the action recommended by the committee is expected. In certain circumstances, it may be concluded that a term of suspension from the University is necessary.

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. 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 a bachelor’s degree is reviewed and approved for meeting the degree requirements by the Office of the Dean of Admissions and Records.

(1) Complete satisfactorily all requirements of the curriculum for which the student is enrolled, as described in the portion of this catalog devoted to the college or school offering the curriculum. Curriculum requirements change frequently, and students should note the caution on the second page of this catalog. A student is allowed to satisfy requirements for a bachelor’s degree under any curriculum in effect during the student’s attendance at UT, Knoxville. The curriculum has been effect within six years of the date of graduation. This does not obligate the University to offer a discontinued course. Programs may be adjusted by the student’s faculty advisor and dean, in consultation with the Registrar’s Office.

(2) Achieve a grade point average of at least 2.00 on all work attempted at The University of Tennessee.

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

(4) Complete the last 30 hours of credit offered for the bachelor’s degree in residence at The University of Tennessee. In the College of Agriculture at least 18 semester hours of upper-division technical agriculture approved by the student’s faculty advisor must be completed at The University of Tennessee. Knoxville. Credit for courses taken at other University of Tennessee campuses may be applied toward the degree subject to approval by the appropriate academic dean or school.

(5) Comply with the state law that one unit of American history at the high school level or six semester hours of collegiate work be
satisfactorily completed. This requirement is effective for those graduating July 1, 1978 and thereafter. It may be satisfied by completing History 251-252 (or 257-258). History 449 may be used in lieu of three hours of American history. Students should consult the catalog of enrollment to determine how the six-hour's credit for fulfillment of this requirement is to be included in individual curricula.

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

(7) Pay to the Treasurer's Office the graduation fee no later than the beginning of the semester of graduation.

(8) File an application for a degree with the Office of the Registrar, Room 209 Student Services Building, no later than the eighth day of classes of the semester of intended graduation. This deadline is imperative in order that all necessary processing can take place toward the degree.

(9) Comprehensive Test in Major.

HONORS CATEGORIES FOR GRADUATION
Honors are conferred upon graduating students who have displayed a high level of achievement during their university career. Recipients of honors receive their degrees with:

"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 semester preceding the graduation semester. For all students entering Fall, 1985 and thereafter, honors categories are based only on the average earned at The University of Tennessee, Knoxville. Students must have earned at least 60 hours at UT, Knoxville in order to qualify for honors categories. For all other students, the honors category is based on the average earned at UT, Knoxville and the combined average of all college work attempted, with the lower of the two averages determining the honors category.

If, at graduation, a student's grade point average would allow a higher honors category than that determined at the end of the semester preceding the graduation semester, 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.

As of June 1, 1991 honors categories will be based on the following scale:

"Cum laude" .................................. 3.50 through 3.64
"Magna cum laude" ......................... 3.65 through 3.79
"Summa cum laude" ....................... 3.80 through 4.00

SECOND BACHELOR'S DEGREE
A student who holds a bachelor's degree may receive a second bachelor's degree from The University of Tennessee, Knoxville, by satisfying the following:

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

(2) Complete at least 30 semester hours beyond the first bachelor's degree.

(3) Attend the University for at least two semesters beyond the minimum time required for the first bachelor's degree.

(4) Declare the intention to work for a second bachelor's degree with the Office of Registrar.

DEGREES

GRADUATE SCHOOL
Doctor of Business Administration
Doctor of Education
Doctor of Philosophy
Specialist in Education
Master of Accountancy
Master of Arts
Master of Business Administration
Master of Fine Arts
Master of Mathematics
Master of Music
Master of Science in Nursing
Master of Public Administration
Master of Public Health
Master of Science
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 Ornamental Horticulture and Landscape Design
Bachelor of Science in Wildlife and Fisheries

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

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 Materials Science and Engineering
Bachelor of Science in Mechanical Engineering
Bachelor of Science in Nuclear Engineering

COLLEGE OF HUMAN ECOLOGY
Bachelor of Science in Home Economics
Bachelor of Science in Hotel and Restaurant Administration
Bachelor of Science in Human Ecology
Bachelor of Science in Interior Design

COLLEGE OF LAW
Doctor of Jurisprudence

COLLEGE OF LIBERAL ARTS
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Chemistry

COLLEGE OF NURSING
Bachelor of Science in Nursing

COLLEGE OF SOCIAL WORK
Bachelor of Science in Social Work

COLLEGE OF VETERINARY MEDICINE
Doctor of Veterinary Medicine
THE UNIVERSITY REQUIREMENT
GENERAL EDUCATION

The goal of general education is to develop those basic skills, knowledges, attitudes, and judgments that are necessary for effective citizenship at all levels, from the local to the global; for responsible and fulfilling interactions with others and the environment; and for an enriched personal life. General education may also provide the basis for a major or professional concentration, but its aims are not career-specific. The following areas define the general education program for undergraduate curricula.

English Composition (2 courses)
Courses used to meet this requirement should develop the student's ability in analytic and expository writing through the study of literature and writing applications. This requirement would normally be satisfied by completion of English 101-102 or equivalents, or by demonstration of proficiency.

Mathematical Sciences (2 courses)
Courses used to meet this requirement should develop the student's ability to analyze and solve quantitative and logical problems.

Humanities and The Arts (2 courses)
Courses used to meet this requirement may concentrate either on critical analysis or practice of the arts. These might include the interpretation and analysis of works in one or more of the arts; consideration of significant philosophical, ethical, or religious text and issues; or participation in some area of the visual, spatial, musical, theatrical, rhetorical, or written arts.

Historical Studies (2 courses)
Courses used to meet this requirement should develop the student's appreciation of continuity and change over time. Such courses would examine the connections and interactions between different aspects of the human experience through attention to significant political, social, economic, intellectual, and cultural developments in a chronological, balanced, and integrated framework.

Social Sciences (2 courses)
Courses used to meet this requirement should describe the structures of society, clarify the dynamics of cognitive and personal development through the life cycle, or analyze social, economic, or political issues.

Natural Sciences (2 courses)
Courses used to meet this requirement should describe the world around us using scientific methods and examine natural phenomena in terms of scientific principles. Such courses would normally contain a laboratory or field experience.

Foreign Languages (2 courses at the intermediate level)
Courses used to meet this requirement should facilitate the student's ability to use a foreign language as a tool for oral and written communications and reading, including an understanding of the cultures for which it is the native language.

OR

Integrative Studies (2 courses)
Courses used to meet this requirement may be of three broad types:
a. Multicultural studies, which analyze international dimensions of critical issues or explore elements and values that shape a culture other than the student's own;
b. Interdisciplinary studies, which incorporate the methods and approaches from two or more disciplines to explore major issues; or

c. Disciplinary perspective courses, which explore the potential and limits of a discipline in terms of its impact on individuals and society or examine a student's major course of study from a value-oriented perspective.

All majors and college or school curricular requirements described in this catalog are in accordance with the University Requirement.
<table>
<thead>
<tr>
<th>TERMS COMMONLY USED IN ADMISSION AND REGISTRATION PROCEDURES</th>
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<tr>
<td><strong>Admission</strong></td>
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<td><strong>Progression</strong></td>
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<tr>
<td><strong>Lower division</strong></td>
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<td><strong>Upper division</strong></td>
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<td><strong>Corequisite</strong></td>
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<td><strong>Application deadline</strong></td>
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<td><strong>Admissions file</strong></td>
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<td><strong>Registration</strong></td>
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<td><strong>Orientation</strong></td>
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<tr>
<td><strong>Semester hour</strong></td>
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<td><strong>Academic load</strong></td>
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<td><strong>Full-time</strong></td>
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<td><strong>Semester</strong></td>
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<td><strong>Quality points</strong></td>
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<td><strong>Term</strong></td>
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<tr>
<td>Grade point</td>
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<tr>
<td>AP exam</td>
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</table>
| CLEP test | Subject area examination administered by the College Entrance Examination Board. Details and comparisons with the AP exam can be obtained from:  
   The College-Level Examination Program  
   Box 1821  
   Princeton, NJ 08540  
   Statements on acceptance of CLEP test scores for academic credit are found in this catalog. |
| Proficiency exam | A test given to an admitted student to evaluate knowledge or skills normally acquired through completion of a particular course. |
| TOEFL test | An internationally administered examination measuring ability to use the English language. Required of any international student applying whose native language is not English. For information and to make arrangements to take the examination, contact:  
   The Test of English as a Foreign Language  
   Educational Testing Service  
   Princeton, NJ 08540  
   English Proficiency Test |
| University honors courses | Non-departmental enrichment courses available (by invitation only) from the University Honors Program. |
| Honors course or section | A version of a regular course reserved for students with superior preparation for that course. See, for example, English honors; Chemistry honors; Mathematics honors; History honors. |
| Evening school | An administrative unit of the Division of Continuing Education designed to serve students who work during the major portion of the day. |
| Major | The principal education interest of a student as represented by one of the curricula offered by the various colleges. The undergraduate degree may or may not carry the same title as the major. Every student has one or more majors but may or may not have a concentration within a major. |
| Minor | A secondary subject area interest (to the major) represented by a specified set of hours and/or courses. Differs from "concentration" in that a minor is not a subdivision of the major subject area. |
| Concentration | A collection of courses within a major which focuses on a particular subject area. The term "concentration" describes the nature of the set of courses. |
| Option | A concentration of elective courses within a major which emphasizes one aspect of the major, chosen by a student according to his/her interests. |
| Accredited | A term applied to a school or specific program which has been recognized by some national or regional organization as meeting certain academic standards for quality and educational environment. |
# MAJORS, MINORS, AND CONCENTRATIONS

<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION WITHIN THE MAJOR</th>
<th>DEGREE</th>
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</thead>
<tbody>
<tr>
<td>College of Agriculture</td>
<td>Agriculture (Interdepartmental Unit)</td>
<td></td>
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<tr>
<td>Agricultural Biology</td>
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<tr>
<td>Agricultural Economics and Rural Sociology</td>
<td>Agricultural Economics and Rural Sociology</td>
<td>Bachelor of Science in Agriculture</td>
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<tr>
<td>Agricultural and Extension Education</td>
<td>Agricultural Education</td>
<td>Bachelor of Science in Agriculture</td>
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<tr>
<td>Agricultural Engineering</td>
<td>Agricultural Engineering</td>
<td>Bachelor of Science in Engineering</td>
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<tr>
<td>Agricultural Engineering Technology</td>
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<tr>
<td>Agricultural Extension Education</td>
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<tr>
<td>Animal Science</td>
<td>Animal Science</td>
<td>Bachelor of Science in Agriculture</td>
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</tr>
<tr>
<td>Animal Science Curriculum with Pre-Veterinary (3-2)</td>
<td>Bachelor of Science in Agriculture</td>
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<tr>
<td>Entomology and Plant Pathology</td>
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<tr>
<td>Food Technology and Science</td>
<td>Food Technology and Science</td>
<td>Bachelor of Science in Agriculture</td>
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</tr>
<tr>
<td>Forestry, Wildlife, and Fisheries</td>
<td>Forestry</td>
<td>Forest Resource Management</td>
<td>Bachelor of Science in Forestry</td>
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<td></td>
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<td>Forest Recreation</td>
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<td>Wood Utilization</td>
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<td></td>
<td>Wildlife &amp; Fisheries Science</td>
<td>Bachelor of Science in Wildlife &amp; Fisheries Science</td>
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<tr>
<td>Ornamental Horticulture and Landscape Design</td>
<td>Ornamental Horticulture and Landscape Design</td>
<td>Bachelor of Science in Ornamental Horticulture and Landscape Design</td>
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<tr>
<td>Plant and Soil Science</td>
<td>Plant and Soil Science</td>
<td>Bachelor of Science in Agriculture</td>
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<tr>
<td>School of Architecture</td>
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<td>Architectural Design</td>
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<td>School of Architecture</td>
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<td>Second Baccalaureate Degree</td>
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<td>College of Business Administration</td>
<td>Accounting and Business Law</td>
<td>Accounting</td>
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<td>Business Administration</td>
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<tr>
<td>(Interdepartmental Unit)</td>
<td>Public Administration</td>
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<td>Economics</td>
<td>Economics</td>
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<tr>
<td>Management</td>
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<tr>
<td>Management Science Programs</td>
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<tr>
<td>Marketing and Transportation</td>
<td>Logistics and Transportation</td>
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<tr>
<td>Marketing</td>
<td>Marketing</td>
<td>Bachelor of Science in Business Administration</td>
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<tr>
<td>Statistics</td>
<td>Statistics</td>
<td>Bachelor of Science in Business Administration</td>
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<tr>
<td>College of Communications</td>
<td>Advertising</td>
<td>Bachelor of Science in Communications</td>
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<tr>
<td>Advertising</td>
<td>Broadcasting</td>
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<td>Broadcasting</td>
<td>School of Journalism</td>
<td>Bachelor of Science in Communications</td>
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<tr>
<td>School of Journalism</td>
<td>Journalism</td>
<td>News-Editorial Public Relations</td>
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</tr>
</tbody>
</table>

1 Minor available
2 Minor available for students in other colleges
3 Minor available: General Special Education
4 Minor available: Driver and Traffic Education and Health Education
5 Minor available in Portuguese
<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION WITHIN THE MAJOR</th>
<th>DEGREE</th>
</tr>
</thead>
</table>
| **College of Education**<sup>1</sup>  
Art and Music Education | Art Education (Intercollegiate) |  
Music Education |  
Vocal Music (Voice Principal)  
Vocal Music (Piano or Organ Principal)  
Instrumental Music | Bachelor of Fine Arts, and  
Bachelor of Science in Education |
| Continuing Education | Elementary Education | Bachelor of Science in Education |
| Educational Leadership | Educational and Counseling Psychology |  |
| **Special Services Education** | Special Education<sup>4</sup> |  
General Special Education  
Speech and Hearing | Bachelor of Science in Education |
| **Technological and Adult Education** | Business/Marketing Education | Teaching  
Training | Bachelor of Science in Education |
| | Distributive Education |  |
| | Industrial Education | Trades & Industries  
Industrial Arts  
Industrial Training | Bachelor of Science in Education |
| **Health, Leisure and Safety**<sup>6</sup> | Health Education<sup>1</sup> |  
Community Health  
Health Care  
School | Bachelor of Science in Education |
| | Recreation |  
Sport Management  
(Interdisciplinary)  
Private Commercial  
Therapeutic | Bachelor of Science in Education |
| **Physical Education** | Physical Education |  
Dance  
Exercise Science  
(Exercise Physiology/Fitness Option)  
Exercise Science  
(Kinesiology Option)  
Movement Sciences  
(Sociocultural Studies Option)  
Sport Management  
(Interdisciplinary)  
Sport Communications  
Teaching Concentration | Bachelor of Science in Education |
| **College of Engineering**  
Basic Engineering | Chemical Engineering | Chemical Engineering | Bachelor of Science in Chemical Engineering |
| | Civil Engineering | Civil Engineering | Bachelor of Science in Civil Engineering |
| | Electrical & Computer Engineering | Electrical Engineering | Bachelor of Science in Electrical Engineering |
| | Engineering Physics | Engineering Physics | Bachelor of Science in Engineering Physics |
| | Engineering Science and Mechanics | Engineering Science | Biomedical Engineering | Bachelor of Science in Engineering Science |
| | Industrial Engineering | Industrial Engineering | Bachelor of Science in Industrial Engineering |
| | Materials Science & Engineering | Materials Science & Engineering | Bachelor of Science in Materials Science & Engineering |
| | Mechanical & Aerospace Engineering | Mechanical Engineering | Bachelor of Science in Mechanical Engineering |
| | Aerospace Engineering | Aerospace Engineering | Bachelor of Science in Aerospace Engineering |
| | Nuclear Engineering | Nuclear Engineering | Bachelor of Science in Nuclear Engineering |
| **College of Human Ecology**  
Child and Family Studies | Child and Family Studies<sup>1</sup> |  
Applied Child Development<sup>4</sup>  
Family and Human Development<sup>4</sup> | Bachelor of Science in Human Ecology |
| Home Economics Education  
(Intercollegiate) | Home Economics Education | Home Economics Teacher Education  
Family Life Education | Bachelor of Science in Home Economics |

<sup>1</sup>Minor available  
<sup>2</sup>Minor available for students in other colleges  
<sup>3</sup>Minor available: Driver and Traffic Education and Health Education  
<sup>4</sup>Minor available: General Special Education  
<sup>5</sup>Minor available in Portuguese
<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION WITHIN THE MAJOR</th>
<th>DEGREE</th>
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<tbody>
<tr>
<td>Nutrition and Food Science</td>
<td>Nutrition and Food Sciences¹</td>
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<td>Bachelor of Science in Human Ecology</td>
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<td></td>
<td>Hotel and Restaurant Administration</td>
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<td>Bachelor of Science in Hotel and Restaurant Administration</td>
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<td>Textiles, Merchandising and Design</td>
<td>Interior Design</td>
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<td>Textiles and Apparel</td>
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<td>College of Liberal Arts</td>
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<td>Bachelor of Arts</td>
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<td>Art</td>
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<td>Art History¹</td>
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<tr>
<td></td>
<td>Graphic Design/Illustration</td>
<td>Ceramics, Drawing, Fiber-Fabrics, Inter-Area, Planting, Printmaking, Sculpture, Watercolor</td>
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<td>Studio Art</td>
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<td>Bachelor of Fine Arts</td>
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<td></td>
<td>Speech Pathology</td>
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<td>Biochemistry</td>
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<td>Cell Biology, Organismal and Systems Biology, Ecology</td>
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<td>Botany</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Classics</td>
<td>Classics¹</td>
<td>Greek¹, Latin¹</td>
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<tr>
<td>Computer Science</td>
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<td>Bachelor of Science</td>
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<td>Economics</td>
<td>Economics¹</td>
<td></td>
<td>Bachelor of Arts</td>
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<tr>
<td>English</td>
<td>English¹</td>
<td>Literature, Writing, Individualized Honors</td>
<td>Bachelor of Arts</td>
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<tr>
<td>Geography</td>
<td>Geography¹</td>
<td></td>
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<td>Geological Sciences</td>
<td>Geology¹</td>
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<td>Bachelor of Science</td>
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<td>Germanic and Slavic Languages</td>
<td>German¹, Russian¹</td>
<td>Language and World Business</td>
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<td>Interdisciplinary Programs</td>
<td>Interdisciplinary Programs</td>
<td>Afro-American Studies¹, American Studies, Ancient Mediterranean Civilizations, Asian Studies¹, Cinema Studies¹, Comparative Literature¹, Latin American Studies¹, Linguistics¹, Medieval Studies¹, Russian &amp; European Studies, Urban Studies¹, Women's Studies¹</td>
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<tr>
<td>Mathematics</td>
<td>Mathematics¹</td>
<td>Honors Program in Mathematics</td>
<td>Bachelor of Science</td>
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¹ Minor available  
² Minor available for students in other colleges  
³ Minor available: Driver and Traffic Education and Health Education  
⁴ Minor available: General Special Education  
⁵ Minor available in Portuguese
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<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
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<th>CONCENTRATION</th>
<th>WITHIN THE MAJOR</th>
<th>DEGREE</th>
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<td>Microbiology</td>
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<td>Microbiology Bachelor of Science</td>
<td>Bachelor of Arts</td>
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<td></td>
<td>Science-Medical Technology</td>
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<td></td>
<td></td>
<td>Music History &amp; Literature</td>
<td>Bachelor of Music</td>
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<tr>
<td>Music</td>
<td>Music</td>
<td>Multiple Woodwind Instruments</td>
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<tr>
<td></td>
<td></td>
<td>Organ</td>
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<tr>
<td></td>
<td></td>
<td>Sacred Music (organ and piano)</td>
<td>Bachelor of Arts</td>
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<tr>
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<td>Sacred Music (voice)</td>
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<td></td>
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<td>Piano</td>
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<tr>
<td></td>
<td></td>
<td>Multiple Keyboard Instruments (piano, organ, harpsichord)</td>
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<tr>
<td></td>
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<td>Strings</td>
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<td></td>
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<td>Voice</td>
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<td></td>
<td></td>
<td>Woodwind, Brass and Percussion Instruments</td>
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<td></td>
<td>Studio Music and Jazz</td>
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<td></td>
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<td>String Pedagogy</td>
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<td></td>
<td>Electronic Music</td>
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<td>Composition</td>
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<td></td>
<td>Music History and Literature</td>
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<td>Music Theory</td>
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<td></td>
<td>Piano Pedagogy and Literature</td>
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<td>Philosophy</td>
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<td>Public Administration</td>
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<td>Physics and Astronomy</td>
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<td>Pre-Medical</td>
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<td>Pre-Medical Technology</td>
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<td>Pre-Veterinary</td>
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<td>Pre-Cytotechnology</td>
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<td>Pre-Dental Hygiene</td>
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<td>Pre Medical Records Administration</td>
<td>Bachelor of Arts</td>
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<td>Pre-Nursing</td>
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<td>Pre-Physical Therapy</td>
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<td></td>
<td>Pre-Optometry</td>
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<td>Political Science</td>
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<td>Religious Studies</td>
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<td>Student Initiated Program</td>
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<tr>
<td>Psychology</td>
<td>Psychology¹</td>
<td>Speech Communication</td>
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<td>Theatre</td>
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<td>Zoology</td>
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<td>Individualized Program</td>
<td>Bachelor of Arts</td>
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<td>College Scholars Program</td>
<td>Bachelor of Arts</td>
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<td>Liberal Arts (Intercollegiate with the College of Business Administration)</td>
<td>Bachelor of Science</td>
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<td>College of Nursing</td>
<td>Bachelor of Science in Nursing</td>
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<td></td>
<td>College of Social Work</td>
<td>Bachelor of Science in Social Work</td>
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<tr>
<td></td>
<td></td>
<td>Graduate School of Library and Information Science</td>
<td>Bachelor of Science in Social Work</td>
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<td>University Honors</td>
<td>Bachelor of Science</td>
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<td></td>
<td></td>
<td>University Studies</td>
<td>Bachelor of Science</td>
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</tr>
</tbody>
</table>

¹ Minor available
² Minor available for students in other colleges
³ Minor available: General Special Education
⁴ Minor available in Portuguese
⁵ Minor available in Portuguese
The College of Agriculture traces its history to 1869 when the University was designated as Tennessee's Federal Land-Grant Institution. Under terms of the Federal Land-Grant Act, the University was enabled for the first time to offer instruction in agriculture. This later was expanded to include research for the development of new knowledge and extension for dissemination of such knowledge to rural people.

Two separate administration units—the Agricultural Experiment Station and the Agricultural Extension Service—were organized and assigned responsibility for research and extension functions, respectively. More recently a College of Veterinary Medicine was established. These three units and the College now constitute the University of Tennessee's Institute of Agriculture. Thus, the College of Agriculture is not only an academic unit of the University of Tennessee, Knoxville campus, it is also an important administrative unit of the Institute of Agriculture.

There are many shared resources and positive interactions between various units of the Institute. For example, most of the faculty in the College of Agriculture hold joint appointments in the Agricultural Experiment Station and are actively involved in significant basic and applied research in agriculture and the associated natural resources. On campus and field research laboratories are utilized in the instructional programs of the College, while extension and research activities provide many students excellent part-time job opportunities.

The unique association the College has with the UT, Knoxville campus and the other units of the Institute of Agriculture make it possible for the College to offer comprehensive high quality undergraduate and graduate programs.

CURRICULA IN AGRICULTURE

Broad opportunities for individuals to prepare for a future in agriculture, forestry, and wildlife and fisheries science are offered in the College of Agriculture. The College provides curricula leading to the degrees of Bachelor of Science in Agriculture, Bachelor of Science in Agricultural Engineering, Bachelor of Science in Forestry, Bachelor of Science in Ornamental Horticulture and Landscape Design and Bachelor of Science in Wildlife and Fisheries Science. The professional degree program in agricultural engineering receives strong support from the College of Engineering and is fully accredited by the Accreditation Board of Engineering and Technology. The forest resource management and forest recreation concentrations are fully accredited by the Society of American Foresters.

A pre-professional curriculum in veterinary medicine is offered in the College. This program is designed to prepare students for admission to the College of Veterinary Medicine located on the Knoxville campus.

Students pursuing programs leading to the degree of Bachelor of Science in Agriculture major in one of several specialized areas of agriculture offered in the college. These major areas are agricultural economics and business, agricultural education, animal science, food technology and science, and plant and soil science. Specific courses required for each of these areas are given under the departmental headings in this section of the catalog. A student must complete the curriculum outlined by the department in which he/she is majoring in order to receive a degree. In all areas of specialization, particular emphasis is placed upon the sciences as a background for agricultural instruction; other courses are included to provide a liberal education. In all subject matter departments there is the opportunity to select elective courses appropriate to the educational objectives of individual students.

The choice of electives in each curriculum should be made with the guidance of the faculty advisor.

Students pursuing a program leading to the degree of Bachelor of Science in Agricultural Engineering may select the concentration offered in food engineering. Students seeking the Bachelor of Science in Forestry may choose concentrations in forest resource management, forest recreation or wood utilization. All academic and general requirements of the University as stated in the front section of this catalog must be met by agricultural students, and they must complete the requirements in one of the organized curricula. Students transferring into the College of Agriculture from other than the UT, Knoxville campus must have a grade point average of 2.0.

The use of transfer credit in technical subject matter areas appropriate to each organized curriculum will be considered and approved by the advisor of that curriculum and the Dean of the College of Agriculture. When desirable, validating or proficiency examinations may be requested to determine competence in an area and to avoid unnecessary repetition. Such examinations should be taken during the first semester in residence and must be conducted under the supervision of the head of the department in which the course is offered.

A minimum of 18 semester hours of upper division technical agriculture appropriate to a specified major requirement, and approved by the major advisor, must be completed in residence to fulfill the requirements of baccalaureate degrees offered in the college.

SATISFACTORY/NO CREDIT COURSES

Students may include a maximum of 21 hours in non-directed electives taken on a satisfactory/no credit basis in the total hours required for graduation.

GRADUATE STUDY IN AGRICULTURE

MASTER OF SCIENCE PROGRAMS

Programs of graduate study leading to the Master of Science degree are offered in all departments in the College of Agriculture.

DOCTORAL PROGRAMS

Graduate study programs lead to the Doctor of Philosophy degree in animal sciences, agricultural economics, agricultural engineering, food technology and science, and plant and soil science.

General requirements and policies of the Graduate School of The University of Tennes-
see relating to admission to the Graduate School, residence, language, research, examination, and admission to candidacy shall apply to these programs and are described in the Graduate Catalog.

FACILITIES

The College of Agriculture uses the facilities on the agricultural campus, on University farms located near Knoxville, and on the main University campus. On the agricultural campus, four are the main Agricultural building, Morgan Hall; the Agricultural Engineering Building; McCord Hall; the Dairy Products Building; McLeod Food Technology Building; C.E. Brehm Animal Sciences Building, which includes a large pavilion, Ellington Plant Sciences Building which houses the plant science departments; and greenhouses for teaching and experimental work. The buildings which have been erected recently provide facilities comparable to the best in the country for the departments which they serve.

Four farms adjacent to or within eight miles of the agricultural campus are used both for instructional and experimental purposes. Morgan Farm (80 acres), Cherokee Farm (550 acres), Plant Sciences Farm (212 acres), and a livestock farm (510 acres) provide excellent field laboratories for instructional programs offered in the College. Cherokee Woodlot (120 acres), the Oak Ridge Forest (2,250 acres), and Armes Plantation (8,000 acres of forested land) provide excellent facilities for field work in forestry, wildlife and fisheries.

Transportation by bus is provided for classes of agricultural students from the agricultural campus to the University farms and to other points of interest where instruction may be given. Transportation by bus is provided between the agricultural campus and the main University campus so that students may make the change between classes without serious inconvenience.

The facilities of the University on the main campus are available to agricultural students. Courses in the basic sciences, business, communications, engineering, etc. are open to agricultural students and are taught on the main University campus.

SELECTION OF CURRICULUM

Agricultural students who have determined their areas of special interest may choose the curriculum most adaptable to their needs when they register as freshmen, and an advisor from the department will be assigned for their counseling. It is not necessary, however, that freshman students select their curriculum until the end of the first year. Those who are in doubt will be assigned a special advisor to assist them in exploring agriculture and to guide them in the planning of appropriate courses of study for the freshman year. When they choose a curriculum, an advisor will be assigned from that department.

Students with special interest in science, business, or production technology should consult the advisor about selection of appropriate electives. A foundation for advanced study beyond the baccalaureate degree may be established in any curriculum if appropriate electives are included. Also, courses may be elected in any of the curricula leading to the degree of Bachelor of Science in Agriculture, in preparation for employment with the Agricultural Extension Service. For this purpose, both the major-curriculum advisor and the agricultural-extension advisor should be consulted.

A very careful choice of electives enables a student with an above average academic record to complete a double or triple major by satisfying all the requirements in each curriculum. For this purpose, the advisors or each curriculum should be consulted, the dean of the College of Agriculture should be informed, and each advisor should maintain a complete record of the student's progress. The multiple major will normally require more than 132 hours credit for graduation.

OPTIONAL MINORS

Agricultural students may have single or multiple minors in agriculture or in other colleges recorded on their transcripts without regard to course overlap among majors and minors. A minor in a department of the College of Agriculture requires a minimum of 18 credit hours in courses numbered 200 and above with the majority of credit hours at the 300 and 400 level. At least 9 of the credit hours required for the minor must be completed at UT, Knoxville. Specific requirements are listed by each department and/or electives (12) designated by the major. Minors offered in the College of Agriculture are open to students of other colleges who have the approval of their advisor and department.

MINIMUM REQUIREMENTS FOR BACCALAUREATE DEGREE PROGRAMS

All B.S. degree programs offered in the College have the following minimum requirements:

Agricultural and Renewable Natural Resources Perspectives (3)  
Biological Sciences (College of Agriculture courses included) (8)  
English Composition (6)  
Speech (3)  
Writing or Speaking elective (3)  
Mathematics (6)  
Physical Sciences (Chemistry, Physics, Geology) (8)  
Social Sciences and Humanities (12)  
Economics (4)  
Electives (8)  
Directed Electives (6)  
Other courses designated by the major department (24)  
College of Agriculture courses (outside of the major department) designated by the department and/or electives (12)  
Other courses designated by the department and/or electives (38)  
For a total of 132 hours.

Bachelor of Science in Agricultural Engineering  
Must be courses in English and communications, biological sciences, physical sciences, or social sciences and humanities or combinations of these subject matter areas.  
Bachelor of Science in Agricultural Engineering and Bachelor of Science in Forestry program excepted.

INDEPENDENT STUDY

Independent study and special topics courses and seminars offered in each department provide exceptional students the opportunity to explore in greater depth subject-matter of unusual significance to agriculture.

Students gain experience and are encouraged to assume responsibilities not available in formally organized courses. Association with students and faculty from other phases of agriculture and the renewable natural resources in the study of a common problem provides an unusual challenge.

COURSE LOAD

Students desiring to take more than 19 hours per semester must have the approval of the dean of the college.

TRANSFER STUDENTS

Students who transfer to the College of Agriculture from another institution, or from another college at UT, Knoxville, should consult the dean if in doubt about the curriculum they wish to follow and for assignment to an appropriate advisor. Requests for substitutions or special examinations should be submitted for consideration during the first semester of study in the selected curriculum.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

Professors:
H. Williamsen (Head), Ph.D. Missouri; M.B. Badenhop (Emeritus), Ph.D. Purdue; J.R. Broker, Ph.D. Florida; C.L. Cleland, Ph.D. Wisconsin; D.B. Eastwood, Ph.D. Tufts; L.H. Keller, Ph.D. Kentucky; T.H. Klinet (Asst. Dean), Ph.D. Kentucky; F.O. Leuthold, Ph.D. Wisconsin; J.A. Marten (Emeritus), Ph.D. Minnesota; D.L. Mclemore, Ph.D. Clemson; R.B. McManus, Ph.D. Purdue; S.D. Mundy, Ph.D. Tennessee; B.H. Pfeniec(Asst. Vice Pres.), J.D. Tennessee; W.P. Ranney (Emeritus), Ph.D. Minnesota; C.B. Sappington (Emeritus), Ph.D. Illinois; T.J. Whately (Emeritus), Ph.D. Purdue.

Associate Professors:
B.C. English, Ph.D. Iowa State; R.H. Orr, Ph.D. Illinois; W.M. Park, Ph.D. Virginia Polytechnic Institute; R.K. Roberts, Ph.D. Iowa State; R.W. Todd, J.D. Tennessee.

Assistant Professors:
R.G. Huffaker, Ph.D. California (Davis); K.L. Jensen, Ph.D. Oklahoma State, G.K. Pompeelli, Ph.D. California (Davis); L.W. VanTassell, Ph.D. Texas A&M.

AGRICULTURAL ECONOMICS AND BUSINESS CURRICULUM

Advisors:
Professor Mclemore. Associate Professors Park and Roberts. Assistant Professors Huffaker, Jensen, Pompeelli and VanTassell.

This curriculum is designed to provide students with training in the social sciences as well as in the physical and biological sciences and technical agriculture. Through course selection, students may prepare for employment in the rapidly expanding field of agricultural business or in the field of farm production and related areas. The business oriented student will be prepared for the management
phases of agricultural business. Employment opportunities include work in marketing of agricultural products, agribusiness firm management, agricultural credit agencies and banks, farm real estate and appraisal services, public and private market analysis, and farm information services utilizing mass communication.

Farm management oriented students will be prepared for positions such as farm managers, county agricultural agents, managers of farm supply and purchasing firms, agricultural journalists, and farm loan agents. The curriculum also provides the necessary background for graduate work in agricultural economics.

Minor consists of 19 credit hours including Economics 201, Agricultural Economics 210, 342, 350, and 6 hours of Agricultural Economics and Rural Sociology electives.

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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Agricultural Economics 110</td>
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<td>Agriculture 101</td>
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<tr>
<td>Biology 110, 120</td>
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<td>Mathematics 121, 122</td>
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<tr>
<td>English 101, 102</td>
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<tr>
<td>Economics 210</td>
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<tr>
<td>&quot;Nondepartmental social science and humanities&quot;</td>
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<td>Statistics 201</td>
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<td>Accounting 201, 202</td>
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<td>&quot;Nondepartmental agricultural electives&quot;</td>
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<td>&quot;Rural Sociology electives&quot;</td>
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<td>&quot;Electives&quot;</td>
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<td>&quot;Senior&quot;</td>
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<td>&quot;Agricultural Economics 410&quot;</td>
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<td>&quot;Nondepartmental agricultural electives&quot;</td>
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<td>&quot;Agricultural Economics or Rural Sociology electives&quot;</td>
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<td>&quot;Business electives&quot;</td>
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<td>&quot;Electives&quot;</td>
<td>11</td>
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<td><strong>Total:</strong></td>
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AGRICULTURAL AND EXTENSION EDUCATION

The Department of Agricultural and Extension Education has two educational areas of emphasis; namely, Agricultural Extension Education and Agricultural Education.

AGRICULTURAL EXTENSION EDUCATION

Although no formal undergraduate curriculum is offered in Agricultural Extension Education, undergraduate courses are available as electives in each formal curriculum. These courses are designed to develop an understanding of the functions, responsibilities, and techniques of the Agricultural Extension Service; and to provide prospective Extension employees with work experience in selected training counties.

AGRICULTURAL EDUCATION

Students who complete the requirements for a Degree of Bachelor of Science in Agriculture receive a Bachelor of Science Degree in Agriculture with a Major in Agricultural Education. The curriculum is designed to prepare persons to assume educational and leadership roles in many phases of the agricultural industry, including agribusiness, schools, agencies, and farming and ranching. Emphasis is on preparing students to teach vocational agriculture or serve as an educator with the Agricultural Extension Service. Students may choose to concentrate either in the teacher education (certification) option or the professional services option.

The teacher education option is designed to prepare students to meet teacher certification requirements for vocational agriculture. Teacher Certification is given through the College of Education. Students must file for admission to Teacher Education in the College of Education. (See Admission to Teacher Education and Student Teaching section.)

Students meeting the requirements for general vocational agriculture certification may secure endorsements in ornamental horticulture and/or agricultural mechanics by meeting the following requirements:

1. Ornamental horticulture - 12 semester hours of courses in ornamental horticulture and landscape design and/or plant and soil science. Subject matter areas must include plant propagation, greenhouse management, growing media, landscape design and nursery management.

2. Agricultural mechanics - 12 semester hours of courses in agricultural mechanization. Subject matter areas must include agricultural power and machinery, soil and water conservation, and agricultural structures.

Students who choose the professional services option may substitute additional technical agriculture and/or internship hours equivalent to the number of hours of student teaching required in the teacher education option. With advisor approval additional hours, required specifically for certification, may also be substituted with courses in the humanities, social sciences or technical agriculture areas. This option provides a broad-based curriculum designed for those students who wish to prepare for careers with the Agricultural Extension Service, agribusiness, government agencies, and farming and ranching. This option does not prepare a student to meet teacher certification requirements.

AGRICULTURAL ENGINEERING AND TECHNOLOGY

Professors:

Assistant Professors:
- D.O. Baxter, M.S. Missouri; R.S. Freeland, Ph.D. Tennessee; W.E. Hart, Ph.D. Purdue, J.B. Wilkerson, Ph.D. Purdue.

Advisors:
- Professors Luttrell, Bledsoe, Hart, Henry, McDow, Tompkins, Wilhelm, Mote, von Bernuth and Wilkerson.

The College of Agriculture, with the cooperation of the College of Engineering, offers a four-year curriculum leading to the degree of Bachelor of Science in Agricultural Engineering. The curriculum is accredited by...
the Engineering Accreditation Commission of the Accreditation Board For Engineering and Technology. Industry, government agencies, research and testing organizations, and foreign service offer employment opportunities to agricultural engineers.

In addition to general requirements for admission to the University, the minimum requirements for association include two units of algebra, one unit in geometry, one-half unit in trigonometry, and one unit in physics or chemistry. Students may remove deficiencies by registering for special classes during the freshman year.

The curriculum trains students in analysis and design skills to solve engineering problems in agriculture. In the senior year comprehensive design of systems and their components is emphasized.

Graduates may pursue careers in design, analysis, or development in agricultural power and machinery, agricultural structures and environment, agricultural electrical and electronic systems, processing and materials handling systems, and soil and water conservation engineering.

The curriculum provides elective courses which can be taken in the student’s area of interest. Students must check with their advisors each semester regarding the selection of courses and should decide on an area of interest before starting the junior year.

In cooperation with the Food Technology and Science Department, an agricultural engineering degree with a concentration in food engineering is offered in a four year curriculum which differs significantly from the regular agricultural engineering program.

Students majoring in agricultural engineering are eligible to participate in the Engineering Cooperative Scholarship program, Engineers’ Day program, and other student activities in the College of Engineering. They are also eligible for selection into Tau Beta Pi and Alpha Zeta. Agricultural engineering majors interested in the Cooperative Engineering Scholarship program should consult with the head of the Department of Agricultural Engineering.

AGRICULTURAL ENGINEERING

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<th>Hours Credit</th>
<th>Course</th>
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<td>Chemistry, 120, 130</td>
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<td></td>
<td>English 101, 102</td>
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<td>Mathematics 141, 142</td>
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<td>Sophomore</td>
<td>Agriculture 101</td>
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<td></td>
<td>Agricultural Engineering 200</td>
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<td></td>
<td>Biology 110 or 120 or Botany 110</td>
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<tr>
<td></td>
<td>Engineering Science and Mechanics 231, 321, 341</td>
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<td></td>
<td>Mathematics 200, 231, 241</td>
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<td>Physics 231, 232</td>
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<td>Junior</td>
<td>Agricultural Engineering 300, 330, 350</td>
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<td>Basic Engineering 201</td>
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<td>Electrical Engineering 301, 302</td>
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<td>Food Technology and Science 410 or 411, 420, 429, 440</td>
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<td></td>
<td>Mathematics/Social Science Elective</td>
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<td>Mechanical Engineering 331</td>
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<td>Nuclear Engineering 342</td>
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<td>Senior</td>
<td>Agricultural Engineering 400, 410, 420, 426</td>
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<td>Economics 201</td>
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<td></td>
<td>Mathematics 200, 231, 241, 331</td>
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<td></td>
<td>Physics 231, 232</td>
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Total: 137 hours

or equivalent honors course.

Agricultural engineers are often required to solve problems in their areas and must therefore be proficient in mathematics. The mathematics ACT is less than 28 or placement test score is unsatisfactory, take Mathematics 130 prior to 141 (see advisor for alternate course schedule). Credit toward graduation will not be granted for Mathematics 130.

Courses selected from areas of 1) Humanities and the Arts, 2) Historical Perspectives, 3) Social Science; at least one course from Humanities and the Arts and at least two upper division courses from one of the three areas.

Two of five agricultural engineering courses (as agreed with advisor): Agricultural Engineering 310, 320, 330, 340, 350.

As agreed with advisor.

May include agricultural engineering design courses or design courses from other engineering disciplines as agreed with advisor: Agricultural Engineering 430, 435, 440, 445, 450, 455, 460.

The Fundamentals of Engineering Examination (National Council of Engineering Examiners) serves as the Comprehensive Examination for this department and is required for all seniors for graduation.

AGRICULTURAL ENGINEERING WITH CONCENTRATION IN FOOD ENGINEERING

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Basic Engineering 100, 101, 111, 121, 131</td>
</tr>
<tr>
<td></td>
<td>Chemistry, 120, 130</td>
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<td>English 101, 102</td>
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<tr>
<td></td>
<td>Mathematics 141, 142</td>
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<tr>
<td>Sophomore</td>
<td>Agriculture 101</td>
</tr>
<tr>
<td></td>
<td>Agricultural Engineering 200</td>
</tr>
<tr>
<td></td>
<td>Engineering Science and Mechanics 231, 321, 341</td>
</tr>
<tr>
<td></td>
<td>Mathematics/Social Science Elective</td>
</tr>
<tr>
<td></td>
<td>Mathematics 200, 231, 241</td>
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<tr>
<td></td>
<td>Physics 231, 232</td>
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<tr>
<td>Juniors</td>
<td>Agricultural Engineering 300, 330, 350</td>
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<td></td>
<td>Basic Engineering 201</td>
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<tr>
<td></td>
<td>Electrical Engineering 301, 302</td>
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<tr>
<td></td>
<td>Food Technology and Science 410 or 411, 420, 429, 440</td>
</tr>
<tr>
<td></td>
<td>Mathematics/Social Science Elective</td>
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<tr>
<td></td>
<td>Mechanical Engineering 331</td>
</tr>
<tr>
<td></td>
<td>Nuclear Engineering 342</td>
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<tr>
<td>Senior</td>
<td>Agricultural Engineering 400, 410, 420, 426</td>
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<tr>
<td></td>
<td>Economics 201</td>
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<td>Mathematics 200, 231, 241, 331</td>
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<td>Physics 231, 232</td>
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</tbody>
</table>

Total: 137 hours

or equivalent honors course.

Agricultural engineers are often required to solve problems in their areas and must therefore be proficient in mathematics. The mathematics ACT is less than 28 or placement test score is unsatisfactory, take Mathematics 130 prior to 141 (see advisor for alternate course schedule). Credit toward graduation will not be granted for Mathematics 130.

Courses selected from areas of 1) Humanities and the Arts, 2) Historical Perspectives, 3) Social Science; at least one course from Humanities and the Arts and at least two upper division courses from one of the three areas.

May include agricultural engineering design course or design courses from other engineering disciplines as agreed with advisor: Agricultural Engineering 430, 435, 440, 445, 450, 455, 460.

As agreed with advisor.

The Fundamentals of Engineering Examination (National Council of Engineering Examiners) serves as the Comprehensive Examination for this department and is required for all seniors for graduation.

AGRICULTURAL ENGINEERING TECHNOLOGY

Advisors:
Professors Luttrell, Bluedoe, Henry, McDow, Tompkins, and Wilhelm, von Bernuth, Hart and Wilkerson.

No baccalaureate degree program is offered in agricultural engineering technology; however, seven undergraduate courses are offered to prepare students in other disciplines to apply elementary principles, techniques and systems of engineering to the broad industry of agriculture. A minor in agricultural engineering technology requires a minimum of 18 semester hours as follows: Agricultural Engineering Technology 201, 211, 432, 442 and two of the three courses 422, 452, 462.

A program leading to the Master of Science degree with a major in agricultural engineering technology is available (see the Graduate Catalog). The graduate program is open to baccalaureate graduates from other disciplines who earned a minor in agricultural engineering technology or who completed courses equivalent to those required for the minor in agricultural engineering technology.

ENTOMOLOGY AND PLANT PATHOLOGY

Professors:

Assistant Professors:
J.F. Grant, Ph.D. Clemson; K.D. Gwinn, Ph.D. North Carolina State; B.B. Reddick, Ph.D. Clemson; M.T. Windham, Ph.D. North Carolina State.

Advisors:
Southards, Gerhardt, Hilty, Lambdin, and Pless.

No undergraduate curriculum exists in the Department of Entomology and Plant Pathology, but a program leading to the Master of Science degree with a major in entomology and plant pathology is available (see Graduate Catalog). Courses in economic entomology, forest protection, plant pathology and veterinary entomology are available to undergraduate students.

Instruction and training is provided in those disciplines which deal with the natural hazards that are major causes of losses in agricultural production, namely, insects and plant diseases. Courses of study in entomology or...
plant pathology should give the student an appreciation of insects and microorganisms, their ecology, population dynamics, potential damage to plants and their products, and various considerations in control alternatives.

### ANIMAL SCIENCE

**Professors:**
- K.R. Robbins (Head), Ph.D., Illinois
- K.M. Barth, Ph.D., Rutgers
- M.C. Bell (Emeritus), Ph.D., Oklahoma State
- J.K. Blethen (Emeritus), Ph.D., Ohio State
- C.G. Chamberlain (Emeritus), Ph.D.
- Ph.D., Iowa State
- B.H. Erickson, Ph.D., Kansas State
- O.G. Hall (Dean, College of Agriculture), Ph.D.
- Ph.D., Iowa State
- S.L. Hardsent (Emeritus), Ph.D., Florda
- R.E. Lidvall (Emeritus), M.S.
- Tennessee
- Ph.D., Missouri State
- J.B. McLaren (Emeritus), Ph.D., Auburn
- G.M. Merriman (Emeritus), D.V.M., Michigan State
- J.K. Miller, Ph.D., Georgia
- D.C. Richardson (Dean, Agr. Exp. Sta.), Ph.D., Ohio State
- H.V. Shirley (Emeritus), Ph.D., Illinois
- R.R. Shrove, Ph.D.
- Ph.D., Iowa State
- R.L. Tugwell (Emeritus), Ph.D.
- Kansas State.

**Associate Professors:**
- W.R. Backus, Ph.D., Tennessee
- B.R. Bell, Ph.D., North Carolina State
- H. Eiler, D.V.M.
- Ph.D., Illinois
- J.D. Godkin, Ph.D.
- Massachusetts
- R.W. Henry, Ph.D.
- Ohio
- J.P. Hitchcock, Ph.D., Michigan State
- H.G. Kattesh, Ph.D.
- Virginia Polytechnic Institute
- F.B. Masincupp, Ph.D.
- Kansas State
- S.P. Oliver, Ph.D.
- Ph.D., Ohio State
- T.W. Schultz, Ph.D.
- Tennessee
- M.H. Sims, Ph.D.
- A.J. Waller, Ph.D.
- Nebraska.

**Assistant Professors:**
- G.A. Baumbach, Ph.D.
- Ph.D., Florida
- A.B. Chestnut, Ph.D.
- Ph.D., Illinois
- J.C. Chestnut, Ph.D.
- M.A. Quigley, Ph.D.
- Virginia Polytechnic Institute
- J.D. Smalling, Ph.D.
- Texas A&M
- M.O. Smith, Ph.D.
- Ph.D., Oklahoma State.

**Advisors:**
- Professors Barth, Erickson, Robbins and Shrode
- Associate Professors Backus, Heilmann, Hitchcock, Kattesh, Masincupp, Oliver, Robbins and Waller.
- Assistant Professors Chestnut, Quigley, Smalling and Smith.

The curriculum is designed to prepare students for leadership careers in livestock production and related industries. Courses in swine, poultry, sheep, dairy and beef cattle production and management may be elected, providing the opportunity for special or additional training in the dynamic livestock and industrial technology (production) areas.

### PRE-VETERINARY MEDICINE PROGRAM

This program allows students to be awarded a B.S. degree in Agriculture with a major in Animal Science, after the successful completion of the first two semesters in the CVM. Students must begin this program early in the pre-veterinary curriculum. The specific requirements are:

1. Completion of all pre-veterinary requirements.
   - a. English Comp. 101-102 (3,3) - 6 hours
   - b. Humanities and Social Sciences - 18 hours
   - c. Calculus A-B, 121-122 or Calculus I-II, 151-152 (4,4) - 8 hours
   - d. Elements of Physics 221-222 (4,4) - 8 hours
   - e. General Chemistry 101-102 (3,3) - 8 hours
   - f. Organic Chemistry 350-360 and Laboratory 369 (3,3,2) - 8 hours
   - g. Cellular and Comparative Biochemistry 410 (4) - 4 hours
   - h. General Biology 110-120 (4,4) - 8 hours

### Hours Credit

<table>
<thead>
<tr>
<th>Course Code/Title</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Comp. 101-102</td>
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</tr>
<tr>
<td>Mathematics 121-122 or 415-416 or 151-152</td>
<td>6</td>
</tr>
<tr>
<td>Biology 110-120</td>
<td>8</td>
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<tr>
<td>Chemistry 100-110 or 120-130</td>
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<tr>
<td>Agriculture 101</td>
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<tr>
<td>Animal Science 101</td>
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<td>1</td>
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<tr>
<td>Microbiology 210</td>
<td>3</td>
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<tr>
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<tr>
<td>Animal Science 341</td>
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<td>Statistics 201</td>
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<td>Computer Science Elective</td>
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<tr>
<td>Biology 220</td>
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<tr>
<td>Plant and Soil Science 210</td>
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<tr>
<td>Animal Science 341, 321, 331, 322, 332</td>
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<tr>
<td>Humanities/Social Science elective</td>
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<tr>
<td>English/Communications elective</td>
<td>3</td>
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<td>Economics 201</td>
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</tr>
<tr>
<td>Free Electives</td>
<td>4</td>
</tr>
<tr>
<td>Non-Animal Science Agriculture elective</td>
<td>3</td>
</tr>
<tr>
<td>Animal Science, 2 of 481, 482, 483, 484, 485, 486, or 489 (1 hour)</td>
<td>7</td>
</tr>
<tr>
<td>Non-Animal Science Agriculture electives</td>
<td>9</td>
</tr>
<tr>
<td>Free Electives</td>
<td>16</td>
</tr>
</tbody>
</table>

Total: 132 hours

Electives allow students to select an area for specialization. Those interested in production would select additional courses in agriculture; in business administration, economics, agricultural economics, finance, and accounting; in research in chemistry, zoology, physics, and statistics, etc. Electives should be chosen with career objectives in mind and in consultation with the advisor.

The animal science core courses are 261, 321, 331, 332 and 341.

**Freshman**

- English 101-102
- Mathematics
- Biology
- Chemistry
- Agriculture
- Animal Science
- Humanities/Social Science
- English/Communications
- Microbiology
- Chemistry, Physics, or Geology
- Animal Science
- Statistics
- Computer Science Elective
- Biology
- Plant and Soil Science
- Animal Science 341
- Senior Animal Science 2 of 481, 482, 483, 484, 485, 486, or 489 (1 hour) Non-Animal Science Agriculture electives
- Free Electives

**Sophomore**

- English/Communications Elective
- Biology
- Chemistry
- Animal Science
- Humanities/Social Science Elective
- English/Communications Elective
- Microbiology
- Chemistry, Physics, or Geology
- English/Communications
- Microbiology
- Chemistry
- Animal Science
- Free Electives

**Junior**

- Animal Science
- Animal Science
- Humanities/Social Science Elective
- English/Communications Elective
- Microbiology
- Chemistry, Physics, or Geology
- English/Communications
- Microbiology
- Animal Science
- Free Electives

**Senior**

- Animal Science
- Animal Science
- Humanities/Social Science Elective
- English/Communications Elective
- Microbiology
- Chemistry, Physics, or Geology
- English/Communications
- Microbiology
- Animal Science
- Free Electives

### Hours Credit

<table>
<thead>
<tr>
<th>Course Code/Title</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Comp. 101-102</td>
<td>6</td>
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<tr>
<td>Mathematics 121-122 or 141-142 or 151-152</td>
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</tr>
<tr>
<td>Biology 110-120</td>
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<td>Chemistry 120-130</td>
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<td>Economics 201</td>
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<tr>
<td>Animal Science 101</td>
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<tr>
<td>Humanities/Social Science Elective</td>
<td>3</td>
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<tr>
<td>English/Communications Elective</td>
<td>6</td>
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<tr>
<td>Biology 210</td>
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<tr>
<td>Chemistry 350, 380-389</td>
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<td>Animal Science 281, 282</td>
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<td>Biology 220</td>
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<tr>
<td>Economics 201</td>
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<tr>
<td>Computer Science Elective</td>
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<tr>
<td>Animal Science 341</td>
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<tr>
<td>Animal Science 321, 331, 332, 334</td>
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<tr>
<td>Animal Science 481, 482, 483, 484, 485, 486, or 489</td>
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</tr>
<tr>
<td>Animal Science 485</td>
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<td>Animal Science 486</td>
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<td>Animal Science 488</td>
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<tr>
<td>Animal Science 489</td>
<td>3</td>
</tr>
<tr>
<td>Non-Animal Science Agriculture</td>
<td>6</td>
</tr>
</tbody>
</table>

Total: 102 hours

**Courses required beyond PV requirements for PV-BS combined program:**

- May include courses in English literature, speech, music, art, philosophy, religion, language, history, economics, anthropology, political science, psychology, sociology, and geography.

- The last 30 hours of the three-year pre-veterinary curriculum must have been taken at UT, Knoxville.

- At least 12 hours of upper division (300 and 400 level courses) technical agriculture courses must be completed at UT, Knoxville.

- In addition to all the required pre-veterinary medical courses, the following (or approved equivalents) must be completed before entering the College of Veterinary Medicine:
  - a. Agriculture 101 - 3 hours
  - b. Animal Science 261, 281 - 7 hours
  - c. Animal Science 322 - 3 hours
  - d. Animal Science 331 - 3 hours
  - e. Animal Science 341 - 3 hours
  - f. One of Animal Science 481, 482, 483, 484, 485, 486, or 489 - 3 hours
  - g. Computer Science Elective - 3 hours
  - h. Economics 201 - 3 hours

**NOTE:** The pre-veterinary requirements include 18 hours of Humanities and Social Sciences. By proper selection of these courses the pre-vet and Animal Science requirements can be satisfied.

- Non-Animal Science Agriculture - 6 hours

- 5. Satisfactory completion of the first two semesters in the CVM professional program.

- No later than December 31 of the student's first year in the CVM (she) should contact the Animal Science Department in order to check on graduation procedures for this program.

- A total of 132 hours must be completed by the end of the first year in the CVM.
FOOD TECHNOLOGY AND SCIENCE

Professors:
H.O. Jaynes (Head), Ph.D. Illinois; J.L. Collins, Ph.D. Maryland; P.M. Davidson, Ph.D. Washington State; F.A. Daniels, Ph.D. Georgia; S.L. Melton, Ph.D. Tennessee; J.T. Miles (Emeritus), Ph.D. Wisconsin; W.W. Overcast (Emeritus), Ph.D. Iowa State; M.P. Penfield, Ph.D. Tennessee.

Associate Professors:
B.J. Demott, Ph.D. Michigan State; H.D. Loveday, Ph.D. Kansas State; J.R. Mount, Ph.D. Ohio State; M.J. Riemann, Ph.D. Kansas State.

Assistant Professors:
R.N. Biswal, University of Massachusetts, Amhurst; G.L. Christen, Ph.D. Missouri.

Advisors:
Collins, Draughon, Jaynes, Melton, Mount, Penfield, and Riemann.

The major in food technology and science prepares students to apply the sciences and engineering technology to manufacture, preserve, store, and distribute foods that meet the needs and desires of consumers. Coursework emphasizes the basic principles of converting raw food materials into acceptable consumer products. Selected commodity courses deal with processing of specific types of food materials. Students entering the program must have an interest in the sciences, particularly chemistry, microbiology, and biology.

This curriculum is designed to prepare students for a professional career in positions in the food industry such as food microbiologist, food chemist, quality evaluation and control supervisor, plant management, ingredients specialist, etc. The program of coursework conforms to the guidelines in the model curriculum of the Institute of Food Technologists. A special problems course provides opportunity for practical training in food processing plants and laboratories or federal and state laboratories. The minor in Food Technology and Science requires a minimum of 16 hours as follows: 140, 420-429, 410 or 411, 440, and one elective course in Food Technology and Science.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Credit</th>
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<tbody>
<tr>
<td>140</td>
<td>4</td>
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<tr>
<td>420</td>
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<tr>
<td>410</td>
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<tr>
<td>440</td>
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<tr>
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</tbody>
</table>

Total: 132 hours

Students will choose one course from WFS 416 and Forestry designated courses.

FORESTRY, WILDLIFE AND FISHERIES

Professors:
G.T. Weaver (Head), Ph.D. Tennessee; J.W. Barrett (Emeritus), Ph.D. Syracuse; E.R. Buckner, Ph.D. North Carolina State; H.A. Core (Emeritus), Ph.D. Syracuse; R.W. Dimmick, Ph.D. Wyoming; W.E. Hammitt, Ph.D. Michigan; R.L. Little, Ph.D. North Carolina State; D.M. Ostermeier, Ph.D. Syracuse; M.R. Pelton, Ph.D. Georgia; G. Schneider (Associate Dean, College of Agriculture), Ph.D. Michigan State; R.J. Strange, Ph.D. Oregon State; E. Thor (Emeritus), Ph.D. North Carolina State; J.L. Wilson, Ph.D. Tennessee; F.W. Woods, Ph.D. Tennessee.

Associate Professors:

Assistant Professors:
P.M. Winstorfer, Ph.D. Iowa State.

The department offers two majors. The major in forestry leads to the degree Bachelor of Science in Forestry and the major in wildlife and fisheries science leads to the degree Bachelor of Science in Wildlife and Fisheries Science. The forestry major has three concentrations; Forest Resource Management Concentration, Forest Recreation Concentration, and Wood Utilization Concentration.

FORESTRY

The profession of forestry is the science, the art, and the practice of managing and using for human benefit the natural resources which occur on and in association with forest lands. Benefits are derived from the multiple resources of the forest: wood, water, wildlife, recreation, forage, and environmental amenities. Foresters are managers of these resources. Thus, our principal instructional objective is to provide the broad education needed to deal effectively with the complex of forest resources. A minor in Forestry consists of 16 credit hours as follows: FWF 211 or FWF 250, FWF 311 and 9 hours from FWF 312, 313, 315, 316 and 415 and Forestry designated courses.

FOREST RESOURCE MANAGEMENT CONCENTRATION

The Forest Resource Management Concentration provides an opportunity, within an education related to the management of the broad spectrum of wildland resources. In addition to the core of required courses, there are about 18 elective credit hours for broad studies or specialized training in one or more areas of forestry. These areas and examples of related fields of study are: Forest Biology including plant physiology and morphology, ecology, genetics, tree nutrition, forest soils; Forest Business Management including economics, accounting, finance, marketing, management science; Forest Economics including economics, business administration, social science; Forest Inventory including mathematics, computer science, photogrammetry; Forest Recreation including natural and social sciences; and Wildlife Management including ecology, zoology, botany.

The University has over 21,000 acres of forest land available for teaching, research, and demonstration. The Tennessee Valley Authority, Great Smoky Mountains National Park, and Cherokee National Forest provide additional land and facilities available to the teaching program. Contained within these areas is a wide variety of tree species and forest types ranging from elements of the boreal forest to southern pines and hardwoods.

Lumber, pulp and paper, and other wood-using industries cooperate in conducting tours and demonstrating industrial processes.

HOURS CREDIT

<table>
<thead>
<tr>
<th>Hours</th>
<th>Credit</th>
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<tbody>
<tr>
<td>Freshman</td>
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<td>Agriculture 101</td>
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<td>Biology 120</td>
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<td>English 101, 102</td>
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<tr>
<td>Food Technology and Science 140</td>
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<td>Mathematics 119, 121</td>
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<tr>
<td>Social Sciences and Humanities Electives</td>
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<tr>
<td>Computer Science Elective</td>
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<tr>
<td>Sophomore</td>
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<tr>
<td>Economics 201</td>
<td>4</td>
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<tr>
<td>Statistics 201</td>
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<td>Computer Science 101</td>
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<td>Speech 210</td>
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<td>Communications Elective</td>
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<td>Social Sciences and Humanities Elective</td>
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<tr>
<td>Junior</td>
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<tr>
<td>Agricultural Engineering Technology 422</td>
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<tr>
<td>Food Technology and Science 410, 411</td>
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<tr>
<td>Food Technology and Science 420, 429</td>
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<td>Nutrition and Food Sciences 200, 201</td>
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<td>Plant and Soil Science 471</td>
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<td>General Electives</td>
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<td>Senior</td>
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<tr>
<td>Mathematics 130 and 141 or 151 accepted for credit</td>
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</table>
| Social Sciences and Humanities courses within the departments: a. Art, Music, Theatre, Classes; b. History, Cultural Studies, c. Germanic and Slavic Languages, Romance Languages; and d. Philosophy, Psychology, Anthropology, Human Services, Sociology (including Agricultural Economics and Rural Sociology). Economics, Political Sciences, Religious Studies, Social Work. Requirements will be a minimum of 6 credits from a, b, c, or d and a minimum of 9 credits from d. to include Economics 201. 1 Or Statistics 201. 2 The three commodity electives are required, one each in dairy products, meats and foods from plant sources.

Total: 135 hours

1Lists of appropriate courses in Social Sciences, Humanities, History, and Communications are available at the Department of Forestry, Wildlife and Fisheries Office.
2Restricted Electives are chosen in conference with advisor; students will choose the course from WFS 443, 444, 445 to satisfy three hours of restricted electives.
FOREST RECREATION CONCENTRATION
The Forest Recreation Concentration provides opportunities to obtain an education in preparation for professional positions in the planning, development, interpretation, and management of private and public forested lands for recreational purposes. Students also learn the basic philosophy and principles associated with leisure time and its use along with the relationship of forest resources to the constructive use of leisure time.

Hours Credit
Freshman
English 101, 102 ..................................................... 6
Mathematics 119, 121 ........................................ 6
Botany 110, 120 .................................................. 8
Chemistry 100 ...................................................... 4
Chemistry 110 or Physics 121 or Geology 101 .......... 3-4
Agriculture 101 .................................................. 3
FWF 211, 300 ....................................................... 4
Sophomore
Economics 201 .................................................. 4
Statistics 201 ...................................................... 3
Computer Science 101 ........................................ 3
Speech 210 or 240 ............................................... 3
FWF 300, 311 ...................................................... 5
Psychology 110, 360 ........................................... 6
Journals 201 ....................................................... 3
OHD 380 .............................................................. 3
1. Humanities Elective .......................................... 3
2. Multidiscipline/Multiculture Elective .................. 3
Junior
FWF 312, 313, 315, 316 ..................................... 10
FWF 317 ............................................................. 3
Forestry 321, 322, 323, 324, 325 ......................... 15
EPP 306 ............................................................. 3
Senior
FWF 416 ............................................................. 3
Forestry 421, 422, 423 ...................................... 9
WFS 341, 443 or 444 or 445 ............................ 6
Recreation 210 or 310 or 430 ............................ 3
Journalism 270 or Speech 310 or 330 ................. 3
1. Humanities and Social Science Elective .............. 6
General Electives ................................................ 6
Total: 136 hours

*Lists of appropriate courses in Humanities and History are available at the Department of Forestry, Wildlife and Fisheries Office.

WILDFIRE AND FISHERIES SCIENCE
Wildlife and fisheries management is the science and art of maintaining populations of wild animals at levels consistent with the best interest of wild species and of the public. Management goals may be aesthetic, economic, or ecological. Success depends upon wildlife and fisheries biologists providing assistance; scholarly application of scientific information and methods to these goals; ecological perspective; and execution of programs to maintain past successes, to prevent repetition of past failures, and to prepare for future needs.

A minor in Wildlife and Fisheries Science consists of 16 hours from FWF 211 or 250, FWF 300, 317, 416, WFS 341, 441, 443, 444 and 445. Prerequisites will not be waived.

Hours Credit
Freshman
English 101, 102 ..................................................... 6
Mathematics 119, 121 ........................................ 6
Biology 110, 120 .................................................. 8
Economics 201 ...................................................... 4
Physics 121 .......................................................... 4
Agriculture 101 .................................................... 3
FWF 211, 300 ....................................................... 4
Sophomore
Chemistry 100, 110 .............................................. 8
Statistics 201 or Plant and Soil Science 471 ........... 3
Computer Science 101 ........................................... 3
Speech 210 or 240 ............................................... 3
FWF 311 ............................................................. 4
1. Humanities and Social Science Electives ............ 6
2. Communications Elective .................................. 3
3. Multidiscipline/Multiculture Elective ............... 3
Junior
FWF 312, 313, 315, 317 ..................................... 10
WFS 341 ............................................................ 3
Biology 230 ....................................................... 3
1. Zoology Electives ............................................. 6-8
2. History Elective ................................................. 3
3. Humanities and Social Science Elective ............ 3
General Elective .................................................. 3
Senior
FWF 316, 416 ...................................................... 6
WFS 441, 443, 444, 445 .................................. 12
Zoology 474 ....................................................... 3
Animal Science 321 ............................................ 3
1. Science Electives .............................................. 6
2. General Electives ............................................. 1-3
Total: 132 hours

*Lists of appropriate courses in Communications, and Humanities and Social Sciences are available at the Department of Forestry, Wildlife and Fisheries Office.

ORNAMENTAL HORTICULTURE AND LANDSCAPE DESIGN

Professors:
G.D. Crater (Head), Ph.D. Ohio State; L.M. Callahan, Ph.D. Rutgers; E.T. Graham, Ph.D. Pennsylvania State; P.M. Greshoff, Ph.D. Australian National University; G.L. McDaniel, Ph.D. Iowa State; N.D. Peacock (Emeritus), Ph.D. Michigan State; R.N. Trigiano, Ph.D. North Carolina State University; H. van de Werken (Emeritus), GAVST, the Netherlands; D.B. Williams, Ph.D. Pennsylvania State, W.T. Witte, Ph.D. University of Maryland.

Associate Professor:
J.W. Day, Ph.D. Mississippi State.

Assistant Professor:
S.M. Rogers, M.L.A. University of Georgia.

Instructor:
Sue Wilson, M.S. Ohio State.

Advisors:
Callahan, Crater, Day, McDaniel, Rogers, and Williams.

The curriculum in Ornamental Horticulture and Landscape Design provides five general areas of study designed to provide students knowledge and skills needed for successful careers. The areas are landscape design, landscape construction, nursery management, floriculture and turfgrass management.

Landscape design is the shaping and enrichment of the environment for our use, comfort, and enjoyment. It not only involves the use of plant material to accomplish this goal, but also involves an understanding of the functional requirements for work, recreation, and housing. Emphasis is on understanding the design process and acquiring the appropriate graphic, scientific, and technical skills. Opportunities include landscape design services, landscape development and maintenance, garden center operation, allied sales, municipal and highway landscaping, park development, and teaching.

Landscape construction begins with a final design plan and involves implementing the plan with all the necessary construction steps including earthwork, paving surfaces, fences, pools, decks, patios, benches, and planting installation. Students learn about basic construction materials, drainage and irrigation, water features, outdoor lighting and other components of landscape construction.

Nursery management involves the growing of trees, shrubs and other ornamental plants for sale. Skills necessary to be a nursery manager include horticultural knowledge and management skills. Opportunities are in nurseries, garden centers, botanical gardens, and arboretums, and in landscape maintenance and installation.

The area of floriculture includes the science of producing flowering plants in field and greenhouse, and the art and science of using these plants for the benefit of humans. Opportunities are available as greenhouse managers, floral designers, retail salespersons, research workers, and related commercial areas. Interiorscape development is a significant new field relating to floriculture.