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. UTK does not discriminate on the basis of sex or handicap in the education programs and activities which it operates, pursuant to the requirements of Title IX of the Education Amendments of 1972, Pub. L. 92-318; and Section 504 of the Rehabilitation Act of 1973, Pub. L. 93-112; respectively. This policy extends to both employment by and admission to the University.
Inquiries concerning Title IX and Section 504 should be directed to the Office of the Affirmative Action Director, 403-C Andy Holt Tower, 974-2498. Charges of violation of the above policy should be directed to the Office of the Affirmative Action Director.
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THE UNIVERSITY OF TENNESSEE BOARD OF TRUSTEES

Legal Title: The University of Tennessee
His Excellency, THE GOVERNOR OF TENNESSEE
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. Morris, Jr., Chattanooga Third 1988 June 1, 1994
William M. Johnson, Sparta Fourth 1975 June 1, 1991
Marcia Austin Echols, Nashville Fifth 1979 June 1, 1991
Ben S. Kimbrough, Clarksville Sixth 1980 June 1, 1990
Amon Carter Evans, Columbia Sixth 1984 June 1, 1993
Jack V. Dalton, Parsons Seventh 1988 June 1, 1994
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
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From Davidson County
Michael Graves 1984 June 1, 1993

From Hamilton County
Paul J. Kinser 1969 June 1, 1998

From Knox County
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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
Bentley T. Beard 1988 July 1, 1989

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William M. Johnson, Vice Chairman
Edward J. Boling, President
A. David Martin, Treasurer
Beauchamp E. Brogran, Secretary
Linda Logan, Assistant Secretary

THE UNIVERSITY OF TENNESSEE
Administration and Service

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Vice President for Public Service and Continuing Education, Unfilled
Vice President for the Space Institute, Unfilled

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Treasurer, A. David Martin, B.S., M.B.A., C.P.A.

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Emeritus Vice President for Academic Affairs, Kenneth L. Knickerbocker, A.B., A.M., Ph.D.
Emeritus Treasurer, Brodie Baynes, B.S., C.P.A.
ACADEMIC CALENDAR FOR 1988-89

SUMMER TERM 1989

- May 31 Registration
- June 1 Classes Begin
- July 4 INDEPENDENCE DAY HOLIDAY
- July 5 Classes End, First Session
- July 6 Classes Begin, Second Session
- August 9 Classes End
- August 11 Commencement

FALL SEMESTER, 1989

- August 23 Classes Begin
- September 4 LABOR DAY HOLIDAY
- November 23-24 THANKSGIVING HOLIDAYS
- December 5 Classes End
- December 6-7 Study Period
- December 8-13 Final Examinations
- December 15 Commencement

SPRING SEMESTER, 1990

- January 10 Classes Begin
- January 15 MARTIN LUTHER KING, JR. HOLIDAY
- March 19-23 SPRING BREAK
- April 13 HOLIDAY
- April 30 Classes End
- May 1-2 Study Period
- May 3-8 Final Examinations
- May 11 Commencement

SUMMER SEMESTER, 1990

- May 30 Registration
- May 31 Classes Begin
- July 3 First Session Ends
- July 4 INDEPENDENCE DAY HOLIDAY
- July 5 Second Session Begins
- August 8 Second Session Ends
- August 10 Commencement
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Administrative Officers

Chancellor, Jack E. Reese, A.B., A.M., Ph.D.
Executive Assistant to the Chancellor, Donald R. Eastman III, A.B., Ph.D.
Provost, George W. Wheeler, B.S., M.S., 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 Provost, Anne Hopkins, A.B., A.M., Ph.D.
Executive Vice Chancellor for Business, Planning and Finance, Homer S. Fisher, B.S., M.B.A.
Associate Executive Vice Chancellor for Business, Planning and Finance, Betsy B. Creekmore, A.B., M.A., M.A.L.S.
Associate Executive Vice Chancellor for Business, Planning and Finance and Director of Personnel, Edward K. Bennett, B.S.
Vice Chancellor for Student Affairs, Philip A. Scheurer, B.A., M.S.
Assistant Vice Chancellor for Student Affairs, Bert E. Sams, B.S., M.S.
Vice Chancellor for Development and Alumni Affairs, Jack E. Williams, B.S.
Assistant Vice Chancellor for Development, Linda Davidson, B.A.
Assistant Vice Chancellor for Alumni Affairs, Martha Masengill, B.S.

General Administrative Officers

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Finance, Director, Harold B. Whitehead, B.S., C.P.A.
Physical Plant, Director, John C. Parker, B.S.
University Communications, Director, John Clark, M.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.
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.

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, Hyram Kitchen, D.V.M., Ph.D.
School of Architecture
Acting Dean, William Laver, B.S., M.S.
College of Business Administration
Dean, C. Warren Neel, B.S., M.B.A., Ph.D.
College of Communications
Dean, Kelly Leiter, B.A., M.A., Ph.D.
Division of Continuing Education
Dean, Joseph P. Goddard, B.S., M.S., Ed.D.
College of Education
Dean, Richard Wisniewski, B.S., M.Ed., Ed.D.
College of Engineering
Dean, William T. Snyder, B.S., M.S., Ph.D.
College of Human Ecology
Dean, Jacquelyn De Jonge, 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, Eunice 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, Kenneth E. Harwell, B.S., M.S., Ph.D.

Other Educational and Public Service Units

Libraries
Dean, Paula Kaufman, A.B., M.S., M.B.A.
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 1892.

In 1807 the state legislature changed the 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 selected the University as the state's Federal Land-Grant Institution, under terms of the Morrill Act passed by Congress in 1862. This enabled the University to broaden its offerings by establishing an Agricultural and Mechanical College.

Ten years later, East Tennessee University was chosen by the state legislature as Tennessee's State University, and its name was changed to the University of Tennessee. The University pledged itself to the service and interest of the entire state, and the state pledged its name and reputation to the University, promising the institution a vital role in the progress of the state.

Today, the University is a statewide institution in terms of its physical locations as well as 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 eight 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 sharing unique programs. Participating states are able to make arrangements for their residents who are fully admitted to specific programs at UTK on an in-state tuition basis, where these programs are not available in the state of residence.

Cooperating 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-four Master's, and eleven Bachelor's programs at UTK 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 Residency Assistant in the Office of Graduate Admissions and Records or the Southern Regional Educational Board, 592 Tenth Street, N. W., Atlanta, GA 30318-9211.

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 Department of Intercollegiate Athletics, Doug Dickey, Director. Women's intercollegiate sports are administered through the Division of Student Affairs and are under the direction of the Department of Intercollegiate Athletics for Women, Joan Cronan, Director.

There are men's teams in football, basketball, cross country, indoor and outdoor track and field, baseball, swimming, tennis, and golf. Intercollegiate games are played according to the rules of the National Collegiate Athletic Association (NCAA) and the Southern Conference (SEC). Eligibility for participation is determined by the NCAA, SEC, and the University faculty. There are women's teams in basketball, swimming, tennis, volleyball, cross country, and indoor and outdoor track and field. Intercollegiate varsity games are played according to the rules of the 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 Aquatic 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 24,536, is named for the late B. Ray Thompson and recently retired UT President Edward J. Boling. Thompson-Boling Arena has already attracted such events as the 1989 SEC Basketball Tournament and the 1990 NCAA Women's Final Four to the University of Tennessee.

NEYLAND STADIUM

Neyland Stadium, the University's football stadium, was named in memory of the late General Robert R. Neyland, longtime football coach and athletics director. Shields-Watkins Field, is named in honor of William S. Shields, former member of the University Board of Trustees, and his wife.

The stadium, built and developed by the Department of Athletics over a period of years, can now accommodate over 91,110 spectators.

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 location for 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 location for 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 location for

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 occasions. 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 Afro-American past, small group lectures, 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 members of the University community are invited to visit this location and utilize the opportunities provided by the Center for increased knowledge about the Black experience.

CAREER PLANNING AND PLACEMENT SERVICE

The Career Planning and Placement Service helps students through individual and group assistance to assess career alternatives, find employment, and complete 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 Planning and Placement are, DISCOVER, a computer aided career guidance system; CAREER DECISION-MAKING, a one credit seminar course designed to help with choosing a major; a CAREER RESOURCES CENTER that includes a comprehensive collection of career-related books, magazines, articles, and videotapes; CAREER CONNECTIONS, 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 opportunities 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.

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 Career Decision-making.

ON-CAMPUS INTERVIEWS are scheduled during the senior year, and recent graduates are invited to participate in registration and participation. Over 12,000 interviews are scheduled each year which include approximately 350 companies, government agencies, and school systems; JOBS NEWSLETTER, published bi-weekly - 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 a CREDENTIAL SERVICE section offering documentation of career-related experiences along with letters of recommendation.

For information regarding Career Planning and Placement Services call 974-5435.

CENTER FOR EXTENDED LEARNING

The UT Center for Extended Learning is a department which supports the extension of
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 of the UTK audience.

The season runs from September through May, 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.

All University students are welcome to join the University of Tennessee Theatre and participate in the productions.

FRANK H. MCCULLEN 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 exhibits are presented on those subjects. The Eleanor Deane Audigier Art Gallery exhibition features a selection of originals and copies of art objects from various periods through the turn of the century. Archaeological specimens, some as old as 12,000 years, that have been reconstructed 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 exhibit 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 craftsmen are sponsored on a regular basis by the UTK Department of Art in the Ewing Gallery of Art and Architecture, 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 of artists of regional and national reputation. Arrowmont School of Arts and Crafts, a U.T. K. 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 modestly priced works for purchase in time for Christmas. Numerous art exhibitions are scheduled in the Ewing Art Gallery throughout the year.

Ralph 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 state-wide 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-art operas with symphonic accompaniment, and from television opera to selected scenes from the classics.

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

UT Marching Band, celebrating the "Pride of the Southland," presents outstanding entertainment on football Saturdays at both home and out-of-town 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 laboratory 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.

Fine Arts Presentations, scheduled under the auspices of the Department of Music, consist of a series of Faculty Recitals which feature vocal and instrumental music, Student Recitals presented by upperclass and graduate members of the music department in partial fulfillment of degree requirements, and concerts by the Bands, Symphony Orchestra, Jazz Ensemble, Percussion Ensemble, and small ensembles.

The Scottish Rite Masonic Chair of Choral Art brings to The University of Tennessee campus a distinguished conductor and/or composer in the field of choral music who serves as a guest lecturer for workshops sponsored by the Department of Music.

The Grace Moore Collection. After the death of opera star Grace Moore, a native of East Tennessee, her family donated to the University a large collection of memorabilia which is viewed by appointment at the Frank H. McClung Museum.

CONCERTS
There are two committees on campus charged with the responsibility of providing the University community with the finest names in popular and cultural programs.

Campus Entertainment Board. This student and staff committee has the exclusive responsibility to sponsor popular entertainment on campus through its major concert series and the presentation of other concerts at various locations across the campus.

Cultural Attractions Committee. A student, faculty and staff committee, this group is responsible for the presentation of programs in the arts to include dance, music, and theatrical production.

LECTURES
Each semester the Issues Committee presents programs around a current theme. The programs feature speakers who are considered experts and represent diverse points of view on a variety of topics.

BROADCASTING
WUOT, 91.9 FM, Knoxville, serves East Tennessee with news, information, and programs of cultural interest. WUOT broadcasts in stereo with an effective radiated power of 100,000 watts, as authorized by the FCC. 24 hours each day, WUOT presents a classical, fine arts format designed to enrich and improve the quality of life of the region, those within reception range. Programming includes classical, folk, and jazz music; news and public affairs; drama; documentaries; discussion and exposition of current events; and other programs of social significance. WUOT is a charter member of National Public Radio, American Public Radio, and the Southern Educational Communication Association radio division. The Corporation for Public Broadcasting criteria for full service operation as a public radio station and is a member in good standing of the National Association of Broadcasters. A sample program guide may be obtained at station offices in Room 232 Communications Building.

WUTK-FM is a student-oriented radio station operated by the Department of Broadcasting at the University of Tennessee, Knoxville. 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 licensed at 90.3 on the FM band. The target audience for the station is the student population of UTK. Studios are located at P-103 Andy Holt Tower.

WUTK-AM is a 50,000 watt day-time AM station located at 850 on the AM band. The station is licensed to the Board of Trustees of the University of Tennessee and operated by the University. Advanced broadcasting majors serve as announcers, news reporters, and account executives. 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, Faculty and Panhellenic Affairs, and all other extracurricular activities. It develops recreational, cultural and social programs, administers policies related to student activities and organizations, 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 other difficulties in achieving academic success during their initial University experience. The program offers specially designed courses in mathematics, biology, English, and university studies. The courses function in such a manner that each student receives individual help and is given every opportunity for success. The opportunities include small classes, the availability of the professor for individual help, special help sessions, individual and small-group tutors, self-paced courses, individual academic advising each term, and both academic and personal counseling services. In addition, the EAP staff attempts to serve as liaison for the student in any area of University experience in which the student needs help.

The offices of the program are located on the ground floor of the Student Counseling Center at 900 Volunteer Boulevard. Phone number: 974-7900.

FOOD SERVICE FACILITIES
Excellent University-operated food service facilities are air-conditioned, conveniently located in relation to 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 dietetic and management staff to insure that the student gets the highest quality meal at the lowest possible cost.

Room and board meal arrangements offer the best combination of balanced, nutritious meals, carefully planned and served at a reasonable charge to the student. For students not under the Board Plan, meals can also be obtained from cafeteria operators on a cash basis.

In addition, the Food Services Department offers a charge plan whereby students may charge meals and have the bill rendered to their parents monthly. A prepaid charge plan, "Dining Plus," is available to certain students, faculty and staff. With a modest prepayment of at least $100.00 students may charge meals and receive a bonus credit of 5% of the prepaid amount. With a prepayment of $200.00 or more students receive a bonus credit of 10% on the prepaid amount.

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.

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.

Participation 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: 974-6807.

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 (pre-registration, collection of class schedules, payments 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 special 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 and 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 students at a reasonable cost. Many residence halls provide excellent study facilities, 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 Housing Application will be mailed as a part of the Application for Admission. Residence Hall assignments for the academic year are made in the late spring and summer. The student must be admitted to the University prior to occupancy. If a student terminates enrollment, the housing contract is cancelled in accordance with policies stated in the contract. Students assigned to residence halls desiring a board plan will be issued contracts written to handle both room and board. A contract for housing signed by a student is binding for the term of contract and is rigidly enforced by the University.

Additional information pertaining to single student housing may be obtained from the Office of Residence Halls, 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 assistance 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 Library owns approximately 1,600,000 volumes, more than 3,000,000 manuscripts, 70,000 microfilm reels, and 1,600,000 items of other microtext, plus audio and video recordings, and United States and United Nations documents. The UTK library currently subscribes to more than 18,000 periodicals and other serial titles. The library's 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-veterinary medicine and music. Special features of the new Hodges Library include a fully-equipped Microcomputer Lab and a state-of-the-art, fiber optic wired Audiovisual Services department. The library also has comfortable study space for 3,500 students, 308 graduate carrels, and 196 faculty studies.

Located in the James D. Hoskins Library, Special Collections is a branch library which is a repository of regional and local materials, Tennessean, and other specialities, 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 provide access to commercially available databases, while Interlibrary loan borrows monographs and obtains copies of other libraries around the world. Library holdings are accessible via a sophisticated online catalog which can be searched both in the library and from home and office computers.

The Library, which holds a collection of over 160,000 volumes, 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 to identify, encourage, and assist students who have academic potential and motivation to develop their talents at UTK.

Housed within the Black Cultural Center, the office furnishes information on 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 appeal 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 Ombudsmen. Problems are treated confidentially.

RELIGIOUS RESOURCES

The University, established by a government that recognizes no distinction among
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 academic 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.

IPC 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, handbooks, and other regulations relating to students and for complying with them in the interest of an orderly and productive community. The student handbook, Hilltopics, is published 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 hold 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.

VEHICLE OPERATION AND PARKING

The University of Tennessee endeavors to provide adequate traffic control and parking facilities for vehicles being operated by students and staff. Student parking areas are located on the perimeter and throughout the Main Campus and Agriculture Campus. Bus service is provided between the two campuses and a perimeter lot off Concord Street. Faculty and staff parking areas are located throughout the campus. See the UTK parking map.
Each person who operates a motor vehicle in connection with attendance or employment at the University must register that vehicle with the Traffic 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 UTK motor vehicle registration tags in their vehicles may park in any unreserved staff 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 UTK parking permits may park in unreserved 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.

Traffic and parking regulations are published each year, and copies of these regulations are available when students and staff register their vehicles. Additional copies may be obtained from the Traffic Office at 1115 UT Drive or at the Campus Information Center at the entrance to Circle Park.

WOMEN'S CENTER

The Women's Center is the coordinating unit for women's programs on the Knoxville campus. It functions as a resource center for all University departments and organizations in the areas of women's programs and activities. The Center's primary objectives are the development of programs for women, the collection of media resources about women, and comprehensive information exchange service regarding women's activities throughout the campus. 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 who have successfully completed the first semester of the English Composition sequence may voluntarily 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 | Per Semester | $695 |

Graduate Students | Per Semester | $792

Law Students | Per Semester | $888

Veterinary Students | Per Semester | $1345

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

TUITION (additional for all out-of-state students) | Per Semester | $1357

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 regular maintenance fee for in-state students or the maintenance fee plus tuition for out-of-state students.

Undergraduate Students:

In-State: $74 per semester hour or fraction thereof; minimum charge $148

Out-of-State: $170 per semester hour or fraction thereof; minimum charge $340

Graduate Students:

In-State: $115 per semester hour or fraction thereof; minimum charge $320

Out-of-State: $250 per semester hour or fraction thereof; minimum charge $500

Law Students:

In-State: $129 per semester hour or fraction thereof; minimum charge $258

Out-of-State: $263 per semester hour or fraction thereof; minimum charge $526

UNIVERSITY PROGRAMS AND SERVICES FEE | Per Semester | $98

All undergraduates, graduates, and law students taking in excess of eight hours per term will be assessed a University Programs and Services Fee of $98 per semester for the academic year and $52 for the summer term. Part-time students taking eight semester hours or less will be assessed at the rate of $6 per semester hour (minimum $12) but are not entitled to admission to general activities programs. Such students may elect to pay the $26 student health fee.

Knoxville campus students taking a course load of six, seven, or eight hours may elect to pay the full University Programs and Services Fee. Activity cards are non-transferable and may not be duplicated. The activity fee is non-refundable.

MUSIC FEE

One half-hour lesson per week, per semester... $45

One hour lesson per week, per semester... $90

Payable by eligible full-time students receiving individual instruction in music.

GRADUATION FEE

Bachelor's Degree... $20

Master's, Law and Veterinary Medicine Degree... $30

Doctoral Degree... $70

Payable at the beginning of semester in which the candidate is to be graduated. This fee is non-refundable and is valid for only one year beginning with and including 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 charges are applicable on the dates indicated:

<table>
<thead>
<tr>
<th></th>
<th>Advanced Registered Students</th>
<th>Secondary Registered Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 1</td>
<td>$2.00</td>
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</tr>
<tr>
<td>Day 2</td>
<td>4.00</td>
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<tr>
<td>Day 3</td>
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<tr>
<td>Day 4</td>
<td>8.00</td>
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<tr>
<td>Day 5</td>
<td>10.00</td>
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<tr>
<td>Days 6-10</td>
<td>20.00</td>
<td>20.00</td>
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<tr>
<td>Days 11-15</td>
<td>30.00</td>
<td>30.00</td>
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<tr>
<td>Days 16-20</td>
<td>40.00</td>
<td>40.00</td>
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<tr>
<td>Days 21-25</td>
<td>50.00</td>
<td>50.00</td>
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<tr>
<td>Days 26-30</td>
<td>60.00</td>
<td>60.00</td>
</tr>
<tr>
<td>Over 30 days</td>
<td>70.00</td>
<td>70.00</td>
</tr>
</tbody>
</table>

Failure to pay fees or to make satisfactory arrangement for deferment 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... $45

A student whose grades are withheld for failure to pay appropriate fees who is reinstated for the semester will be charged a $45 reinstatement service fee.

LATE REGISTRATION FEE... $15

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

RETURNED CHECKS

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 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 information and an application, 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, contact the Bursar’s Office.

Deferred Payment Service Fee: ...

(See Tuition Payment Plans)

This fee is applicable when the payment of any part of a student’s account is deferred, including accounts which must be billed to outside agencies, organizations, and institutions.

Late Payment Service Fee: $5

This fee is applicable when a supplemental 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 initiative 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.

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 non-refundable 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 credit hour for undergraduates and $7 per credit hour for graduates. See page 37 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 Request Form is completed by notification 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

Days 1-7: 100%  Days 8-14: 80%  Days 15-21: 60%  Days 22-28: 40%  Over 28 days: 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.

The above refund policy does not apply 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 cannot 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

Days 0-7: 100%  Days 8-14: 80%  Days 15-21: 60%  Days 22-28: 40%  Over 28 days: No Refund

NOTE: The drop deadline for grades and the drop deadline 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. All charges are subject to subsequent audit and verification. The University reserves the right to correct any error by appropriate additional charges or refunds.

All students are required to have a validated fee receipt to complete the registration procedure. This includes graduate and undergraduate students. Those whose fees may be billed, prepaid, or waived. Delayed registration service fees are also applicable to such students.

No student is authorized to attend classes who has not obtained a class schedule from the Office of the Dean of Admissions and Records and a validated fee receipt from the Bursar's Office.

The University is authorized by statute to withdraw from student enrollment, in order to protect the interests of the student and other students. This program is designed to supplement the care provided by the campus Student Health Service and provide basic benefits at low group premium rates. Primary emphasis is placed on hospitalization services since in-patient care is not provided on campus. Students not otherwise covered are urged to avail themselves of this or comparable insurance since paying for hospital care is the student’s own responsibility.

Information about the insurance is mailed by the company to the student’s home and is available for review by students and/or parents. Enrollment in the plan (or alternative coverage) is mandatory for international students. Students may obtain applications from the Student Health Service or the Office of International Student Affairs. Except for international students, enrollment for insurance is not a part of registration for classes. The family health insurance policy should be carefully reviewed since most family policies do not cover the dependent child after a given age, some as early as age nineteen.

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 for uniforms, instruments, and transportation to and from the training. The University reserves the right to correct any error by appropriate additional charges or refunds.
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 cards.

Arrangement for Banking while at UTK. Banking arrangements can be made with Knoxville banks. Some 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 provide 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 1989-90 academic year are average. Actual expenses vary greatly according to the length of the term, personal expenditures of the individual student. The room and meal estimates are averages based on accommodations and 20-meal board plan in University facilities. Estimates for equivalent accommodations and meals elsewhere will usually be somewhat higher.

Undergraduate Maintenance Fee
Programs and Services Fee
Room and Meals
Books, Supplies, Transportation, etc.
Total for Tennessee Residents
Add for Non-Resident Tuition

$1,270
$196
$2,850
$1,665
$5,981
$2,734

$8,715

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. Through these 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 U.S. citizens 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 a degree. 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. UTK utilizes the need analysis process for determining eligibility. 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.

UTK has three types of financial aid: scholarships and grants, loans, and part-time employment. These may be awarded individually or in combination according to the needs of the student. For detailed information on application procedures for each aid program, please refer to the brochure, "This is Tennessee: Investing in Your Future."

DEADLINES FOR APPLICATIONS

Because a student's family resources can change significantly during an academic year, UTK requires each student to apply annually for renewal of financial aid. Students desiring assistance based upon financial need (some scholarships, grants, loans, and employment) must submit either the Financial Aid Form or the Family Financial Statement. Students desiring only scholarships based upon academic merit are not required to complete any application forms.

UTK is not able to meet the financial needs of all applicants. Priority in awarding will be given to those students with financial aid files completed by the following dates: February 1 for undergraduate entering freshmen.

TRANSFER STUDENTS

UTK Financial Aid applicants who have attended another college or university are required to have a Financial Aid Transcript sent to UTK whether financial aid was previously received or not. Students must submit either the Financial Aid Form or the Family Financial Statement. Students desiring only scholarships based upon academic merit are not required to complete any application forms.

The Tennessee Student Assistance Form/Family Financial Statement to the Tennessee Student Assistance Corporation. More information may be obtained on this requirement are available in the Financial Aid Office.

SCHOLARSHIPS AND GRANTS

Scholarships. The UTK scholarship program is made possible through funds provided by the University, outside foundations, estates, private businesses, civic groups, individuals, and alumni. 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 awarded to students who demonstrate strong academic achievement and a proven need for assistance. Some are merit scholarships, and others are need-based scholarships. These scholarships are coordinated by the Financial Aid Office. Most scholarships are awarded to students who demonstrate strong academic achievement and a proven need for assistance. Some are merit scholarships, and others are need-based scholarships.

To compete for merit scholarships, 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 entering freshmen 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 currently enrolled transfer students is judged by the applicant's cumulative grade point average.

SCHOLARSHIPS AND GRANTS:
The University of Tennessee, Knoxville offers a comprehensive program of financial aid for students who otherwise would not be able to attend. Through these 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 U.S. citizens or classified as a permanent resident. All students must also comply with current Selective Service laws prior to receipt of aid.
temporarily, totally disabled or providing care for a spouse who is temporarily, totally disabled. Repayment may be deferred for two years while the borrower is serving an internship which is required for professional recognition. Interest is 5 percent per year on the unpaid balance. The maximum repayment period is 10 years with the current minimum monthly repayment of $30.

If upon graduation the borrower becomes a full-time teacher in a public or non-profit school which is designated by the Secretary as having a high enrollment of low-income families or becomes a teacher of handicapped children, 15 percent of the total principal plus interest may be cancelled for the first and second year of teaching, 20 percent for the third and fourth years, and 30 percent for the fifth year. If after graduation the student becomes a full-time staff member in a head-start program which is operated for a period comparable to a full school year, 15 percent of principal plus interest may be cancelled for each year of service. Cancellation for up to two years is limited to the amount forgiven given at the rate of 12 1/2 percent of the total principal plus interest for each year of service in the Armed Forces in an area of hostility. Up to 70% of the loan may be cancelled if the borrower serves as a full-time volunteer under the Peace Corps Act or the Domestic Volunteer Service Act for a period of four years.

An undergraduate may borrow an annual maximum of $1,500 to an accumulated loan of $9,000. Graduate level students may borrow an annual maximum of $3,000 to an accumulated loan of $18,000 (including any amount borrowed as an undergraduate). The above regulations and provisions of the Perkins Loan Program are correct as of December 1987 and are subject to change by federal legislative action.

The University of Tennessee Student Loan. Student loans from University sources are available to currently enrolled students with a 2.0 or higher cumulative grade point average. A loan of an annual maximum of $1,000 can be part-time employment, or cosigner who meets specific credit requirements is required for each promissory note and a new promissory note must be completed each loan is received. The interest rate is 6 percent per year payable on July 1 of each year. Repayment of the amount borrowed plus any unpaid accrued interest shall begin on the first day of the fourth month following graduation, withdrawal, or transfer from The University of Tennessee, Knoxville, or when the student ceases to carry at least one-half of the full-time academic workload. Minimum monthly installments will be $30 or 1/36th of the amount borrowed, whichever is greater. The borrower may choose to pay, without penalty, all or any part of the loan plus interest before the entering the normal repayment period. The above regulations and provisions of the University of Tennessee Student Loan Program are correct as of December 1987 and are subject to change by action of the Board of Trustees.

Stafford Student Loan. This loan from banks, savings and loan associations, or credit unions through a state guaranteeing agency, may be able to assist with meeting financial requirements. 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 FAF 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 unpaid balance six months following 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 of three years while the borrower is serving in the Armed Forces, Peace Corps, USA, the U.S. Public Health Service, Action agency programs 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 temporarily 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 undergraduate and graduate/professional students. 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. The rates of interest received on PLUS/SLS loans is currently 12.45 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 reason.

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 A. Cayway, Suite 1500, Nashville, Tennessee 37219.

STUDENT EMPLOYMENT

Two employment programs are administered 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. The rate of pay is at least the federal minimum wage.

Student Employment Service operates as a central referral agency. It coordinates 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

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

AACE Scholarship Fund
George G. Abraham Scholarship in Vet Med
Acacia Fraternity- John L. Wooten, Jr. Scholarship Fund
Accounting Development Endowment Fund
Accounting Excellence Fund
Accounting Anonymous Scholarship Fund
Roy & Mildred Acuff Scholarships

Alcoa Foundation CBA Minority Scholarship Fund
Alcoa Foundation Scholars Program in Accounting
Alcoa Foundation Scholarship Program in Engineering
Alcoa Foundation Scholarship in Law
Alcoa Foundation Scholarships
Howard Aldmon Memorial Scholarship
Elon and Gracie Alley, Sr. Agricultural Scholarship
Allied Scholars Program
Alpha Delta Kappa Scholarship
Alpha Delta Kappa - Agnes Shipman Roberts Scholarship Award
Alpha Gamma Rho Scholarship
Joe Mac Alpin Memorial Scholarship Fund
Ellie P. Alexander Scholarship-UTF
Alumni Scholarships
American Express Scholarship Fund
American Express Undergraduate Scholarship Fund
American Industry Hygiene Fellowship
American Watercolor Scholarship
Arno Foundation
Ida A. Anders Scholarship Fund
Arthur Andersen Alumni Scholarship
Anderson County Agricultural Scholarship
Arthur C. Anderson MBA Fellowship
Ray & Mary Andrus Memorial Fund for Excellence in Design
Professor Duncan Angus Scholarship Fund
Animal Husbandry Scholarship
Anonymous Nursing Scholarship
Anonymous Student Awards
Anthropology Endowment Scholarship
School of Architecture Scholarship
Armistead Award in Agriculture
Armistead Award in the College of Veterinary Medicine
Max B. & Lalla Block Arnstein Scholarship
J. Clayton Arnold Teaching Training Scholarship
Grace R. Agee and Willie R. Clark Scholarship Endowment Fund
American Watercolor Society Scholarship Fund
Arthur Andersen and Company Engineering Scholarship
Art Department Scholarships & Aid
Daniel Arthur Rehabilitation Center Captain Samuel E. Asher Memorial Scholarship
Ashrae Grant-In-Aid Goswami Athletic Department Scholarship Fund
Atlantic Richfield Fellowship
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 Barbree Scholarship Raymond Barnes Award in Woodwind
John H. Barrett Memorial Fund
Dorothy H. Barton Scholarship
Bacon-Beard Scholarship in Philosophy
Fund
Bain-Swigart 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. G. Beard Scholarship Fund
Beard Scholarship in Philosophy Fund
Harry E. Beard Memorial Scholarship in Engineering
John Betty Scholarship Award
Hubert Bebb Scholarship Endowment Fund
Bedford Farmers Cooperative Agriculture Scholarship Fund
Fred E. Bell Athletic Department Scholarship Fund
Roy F. & Addie J. Bell Scholarship Fund
Carl M. Bennett Scholarship Fund
Jim Bennett Memorial Development Fund
Phil Sherman Bennett Prize
Stelmon Bennett Endowment Fund
Edna & King Benson Memorial Scholarship Fund
Benwood Foundation Athletic Scholarship Fund
Berkeley MBE Graduate Fellowship
Berkeley College Scholarships
Beta Sigma Pi Scholarship
Beta Theta Pi Memorial Scholarship Fund
Better English Graduate Aid
H. Briggs Better English Scholarship Fund
Karl and Madira Bickel Scholarship in Communication
Big Orange Swimming Scholarship
J.J. Bird Memorial Scholarship in Agriculture
Dr. William Bishop Scholarship
Voita Bittas Voice Scholarship
Black Alumni Associated Scholarship
Black Faculty/Staff Association Scholarship
J. Paul Blyskal Sch. in Technical Communications
Amanda Minns Bonham Journalism Award
Frederick T. Bonham Journalism Award
Frederick T. Bonham Scholarship
William H. Bonham Memorial Scholarship
Boring Athletic Scholarship
F and P Borthwick Scholarship
Dr. Wade H. Boswell Scholarship
Tutt and Elizabeth Bradford Journalism Excellence Fund
Dr. & Mrs. Donald Bradley, Sr. Scholarship Endowment Fund
Brady Teaching Award
Robert Brashare Athletic Scholarship Fund
Irene & Dudley Brewer Award
Bridle to the Future Engineering Scholarship and Fellowship
Broadcasting Department Scholarship
Dr. Betty Broman Textbook Scholarship
Sarah Alice and Tom Purdie Scholarship Fund
Edward H. Browning Scholarship Fund
T. E. Tommy-Bronson Athletic Scholarship Fund
Brooks, Ledgerwood, Testerman Memorial Scholarship Endowment Fund
Harry W. Brooks Scholarship Fund
Fred Brown Minority Scholarship in Engineering
Grover C. Brown Memorial Scholarship Fund
Neil Mann Brown Scholarship in Agriculture
Neil Mann Brown Scholarship in Architecture
William L. E. Brown Memorial Fund
Pat & Frank Bryant Scholarship Fund
William P. Bryant Scholarship
BTF-Industrial Engineering Scholarship Fund
Calvin A. Buehler Chemistry Scholarship
Willam W. Burchfield, Sr. Scholarship Fund
Robert A. Burgin Sch. End. in Transportation and Logistics
Captain Robert Arnold Burke Award
Eleanor Richards Burke Award
James Henry Burke Sch. End. in College of Law
Burlington Industries Fellowship
Burlington Industries Aid to Education Fund
Terry Burnette Memorial Scholarship Award
Paul C. Burns Memorial Scholarship
Catherine Burton Scholarship
CBBG Burlington Fellowship in Transportation
CBBG Scholarship Award
CLEO-Stipend Support
William Hooper Caffey, Jr. Memorial Scholarship
Nat Caldwell Public Service Report
Nat Caldwell Journalism Scholarship Fund
John L. Callaway Civil Engineering Fund
Lawrence C. Calloway Endowment Fund
Women's Intercol. Athletics
Campbell County County Farm Bureau Scholarship
Carbon County Electrical Engineering Center for Theatre Excellence Grad. Fellowship
The Chambers Endowment in Advertising
Jody Chamber Scholarships Endowment
The Myron G. Chambers Scholarship Endowment
The Myron G. Chambers Scholarship Fund
Dean F. A. Chamblin MBE Fellowship Award
Chancellor's Discretionary Fund
E.J. Chapman Agricultural Scholarship Award
E.J. Chapman Memorial Scholarship Fund
James T. Chappell Endowment Fund
George S. Child, Jr. and Helen P. Child Scholarship
George S. Child, Sr. and Helen M. Child Memorial
Lorraine and Robert Child Chemical Engineering Scholarship and Fellowship
James & Virginia Childress Scholarship
Matthew W. Churchill Memorial Scholarship
The Church Street Methodist Church Scholarships
Edward R. Crane Memorial Scholarship
Civil Engineering Scholarship and Fellowship
Civil Engineering Scholarship and Fellowship
BTI
Claiborne County Farm Bureau Coop Scholarship
Dale Cleaver Art History Fund
Frank Clement/Cordell Hull Fund
O. H. Clements Memorial Scholarship Fund
Jesse! David Cleet Memorial Scholarship
Coke County Farm Bureau Agricultural Scholarship
Cooke Farmers Coop Agricultural Scholarship
Guy Cooleaich Conservation Fund
Hugo Coolditz Memorial Scholarship Fund
Cole-Franklin Sociology Scholarship
J. W. Colle Ment Scholarship and Award
J. Howard Collett Scholarship Fund
College of Law Emergency Assistance Fund
Ed Collins Memorial Scholarship Fund
Colonial Baking Company Scholarship
Computer Science Support Fund
Cokeville PCA Scholarship
J.A. Cooley Memorial Scholarship Fund
Cooper's & Lybrand Scholarships in New Venture Analysis & Entrepreneurship
Charles W. Costello, Ill Scholarship
Dr. William E. Cole Scholarship Fund
Conagra Scholarship Fund
Conservation Education Workshop
Coors/Pinnacle Sales Veterans Scholarship
Coors Veterans Scholarship Endowment Fund
Corporate Scholarship Fund
The Coughlin Women's Athletic Endowment Fund
Carl Cowan Scholarship Fund
Raymond Rankin Cowles Memorial Scholarship
Allan Rice Cox Memorial Scholarship Fund
Carl T. Cox Scholarship Fund
John Cox, Sr. Memorial MBE Fellowship Dr. E. C. Crafton Scholarship Endowment Fund
CFA Auxiliary Accounting Scholarship
Crafts & Interior Design Award
John M. Crandle Jr. Scholarship Fund
Frank B. Creekmore Memorial Scholarship Fund
Elaine L. Crenshaw Student Aid Fund
Nelle Crooks Scholarship Award Fund
Robert & Mary Culver Scholarship Awards
Robert A. Culver Scholarship in Business
Bernard I. Dahlberg Memorial Scholarship Fund
Dairy Men Inc. Scholarships
Mildred & H. D. Dale Scholarship
Stephanie Piass Dalton Memorial Scholarship
Jack Daniel Distillery Scholarship
John S. Danell, Jr. Scholarship Fund
Carroll H. Davenport ATO Scholarship Fund
Charles B. Davis/Greater Knoxville Advertising Club Endowment
Grace O. Davis Memorial Scholarship Endowment Fund
Cpt. Herbert L. Davis Memorial Scholarship Fund
Victoria Davis Torchbearer Award Fund
Elia J. Day Scholarship
Duran H. Dapote Dissert Fund
Davidson County Farm Bureau Agricultural Scholarship
Frank & Ruth DeFreise Scholarships
Deloite Haskins and Sells Scholarship in Accounting
Deuoch and Company Scholarship Fund
Billie Cannon DeMont Graduate Scholarship
William Desmond Scholarship in Performing Arts
George F. Devine Scholarship Fund
Digital Equipment Corporation
C. H. & K. W. Dixon, Ill Scholarship Fund
Dr. Kenneth G. Dixon Scholarship Fund
Grace Darden Doggett Scholarship Fund
Dogwood Arts Festival Scholarship
C. O. Doe-Silberman Memorial Athletic Scholarship
Nathan W. Dougherty Memorial Scholarship Fund
Mildred E. Doyle Scholarship Fund
Donelson Home Economics Club Scholarship Fund
Purity Dairies Scholarship
P. David Keener Scholarship
Ralph F. Quarles Scholarship
Janenne Jones Quillen Memorial Scholarship
Rachelle Scholarship and Fellowship in Ornamental Horticulture
Rachelle Scholarship and Fellowship in Metals
Ralphion Purina Scholarship
Virginia Purina Scholarship Fund
William T. Ray Scholars and Fellowship
Ragan Undergraduate Scholarship
Alma-Kaisi 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 Newspapers Inc Scholarship Fund
Reynolds Pride in "Tobacco" Scholarship
S. Herbert Rhea Endowment Fund
J. Clark Rhodes Fellowship Fund
Malcolm Rice Architecture Award
Ridgewood Inc Scholarship
Vickie E. Rigby Scholarship Fund
Stephen D. Rimmer Memorial Scholarship Fund
Chris Ritts Scholarship Fund
Roane County Home Demo Scholarship
Judson Heil Robertson Award
Victor M. Robertson Award Fund
B. Wyatt & H. Robinson Memorial Scholarship Fund
Thomas & Emma Robinson Scholarship
Roddy Upperclassmen Scholarships
Fred M. Robertson Scholarship Fund
Fred M. Roddy Merit Scholarship
King W. Rogers, Jr. Scholarship
Ralph & Louise Rogers MBA Fellowship
Douglas V. Roseberry Memorial Fund
Callis Wood Ross Scholarship
Touche Ross and Company Scholarship
Russ Strong Scholarships
Russell Scholarship Fund
Dr. J. E. Salisbury Fund Vet Med
SAM Scholarship
Rhonda Karen Sasser Scholarship
Jane Savage Scholarship Fund
Schlumberger Collegiate Awards
Schneider Convertible Award
Veterans Scholarship Fund
School of Architecture Scholarship
School of Social Work Alumni Association Scholarship
Scottish Rite Choral Arts Scholarship
Bernadotte Schmitt Scholarship
Scripps-Hoerdighe-Pyle Memorial Scholarship
Alfred Scrivner Athletic Scholarship
Dr. Roy L. Sealls Athletic Scholarship
Ruth Sellards Tribute Award Fund
Emile Sellas Scholarship Fund
Louis & Lydia Sellas Memorial Scholarship
Louise & Aileen Sellas Scholarship Fund
Mary Louise Selizz Scholarship
1968 Senior Class Scholarship
Sevier County Scholarship in Organ
Sevier County Swim Scholarship
Sevier Farmers Co-operative Agr. Scholarship
Richard Sexton Rugby Club Scholarship
Arron J. Sexton Scholarship in Botany
Michael Shaffer Memorial Fellowship Endowment in Accounting
Dr. & Mrs. David L. Shear Scholarship Fund
Scheeler Writing and Research Award
Shell Assist Grants - Business
L. R. Shobe Scholarship Fund
Beverly Shrode Memorial Agricultural Fund
Singal Bible Student Development Fund
Sigma Alpha Iota Sorority Scholarship
Tom Siler Scholarship in Communication
Col. Lawrence Simcox Memorial Scholarship
Howard Simmons Agriculture Scholarship Fund
Charles S. Simms Scholarship Fund
Carlos C. Stahl Scholarship Fund
Irving G. Simpson Award Fund Robert & Jean Sinclair Scholarship Award
The Elizabeth Z. Smith Scholarship
Charles D. Stogdil Scholarship
John Milton Snoddyer Scholarship Fund
Social Work Forward to 50 Scholarship
Social Work Alumni Scholarship
Society of Professional Journalists Scholarship Fund
Soils Judging Fund
Southern Shipper & Motor Carrier Council Scholarship Fund
Southern Title Insurance Company Real Property Prize
W.H.H. Southern Memorial Law Scholarship
Southern Petrolea Endowment in Business
Andrew W. & Marcia K. Spickard Engineering Scholarship Endowment Fund
Caesar & Edith Stair Music Education Fund
A. E. Staley Mfg. Co. Ph.D. Fellowships
Luther T. Stanley Athletic Scholarship Fund
E. Eugene Stansbury Fund
Sadie K. Stanton Scholarship
Statistics Excellence Fellowships
Statter Foundation Scholarships Fund
Staugher Scholarship Fund in Chemical Engineering
Ruth Stephens International Relations Award Fund
Ruth Stephens Scholarship Fund
Stephens & Hoffman 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
Dewey Stoller Scholarship Fund
MSC/Elsa Walburn Stong Scholarship
Stoiffer Corporation Scholarship Fund
Joe Sullivan Ill Scholarship
Glenn G. Summers Agriculture Fund
Supplemental Education Opp Grant IJC
Swan Brothers, Inc. Scholarship Fund
Swimmers Ex-Varsity Scholarship Fund
George D. Swingle Graduate Fellowship in Geology Endowment
Tau 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
Jana Temple Memorial Scholarship Fund
Tenneco Inc. Scholarship Fund
Tennessee Assistance Corporations
Tennessee Association Ag Agent & Specialists
Tennessee Council of Coop Scholarship
Tennessee Dairy Produc Assoc Scholarship
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 Flower Growers Association Scholarship
Tennessee Hotel/Motel Association Scholarship
Tennessee Howard Johnson Food and Lodging Scholarship
Tennessee National Food Education Association Scholarship
Tennessee Road Builders Association Scholarship
Tennessee Tomorrow Law Scholarship Fund
Tennessee Vegetable & Fruit Growers Association Scholarship
Honors and Awards 23

Daniel H. Testarman Memorial Scholarship
Texas Instrument Graduate Trainee
Texas Instrument Graduate Trainee
Mr. Jim Thompson Athletic Scholarship
William M. Townsend Memorial Scholarship
Townsend-Kefauver Memorial Scholarship
Willburn B. Townsend Memorial Scholarship Fund
Tri City Metro Ad Fed Scholarship Fund
Stephen R. Trotter Memorial Scholarship Fund
R. S. Tucker Graduate Fellowship
Unysys 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 Engineering 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
UT Singers Scholarship Fund
R. R. Vance Scholarship in Education
Lee L. Verstandig Scholarship
Veterans Emergency Loan Fund
Victory Van Lines Scholarship
John M. & Manora C. Viles Scholarship Fund
Vinylex Corporation Scholarship
Vocational Education Scholarship Fund
Frederick B. Vreeland Scholarship Fund
Dwight R. and Kate Reagan Wade College Scholarship Endowment Fund
Tom & Pat Wade Scholarship
George A. Wagoner 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 Law Scholarship
H. W. Warner Scholarship
J. C. Warttunen Scholarship
Watauga Area Mental Fellowship
Eugene & Mildred Waters Memorial Scholarship
Ira A. Watson Retailing Scholarship
Wattie Scholarship Fund
Gordon J. Wheeler Scholarship
William Way Memorial Scholarship
William Way, Jr. Scholarship Fund
Wekley County Farm Cooper Agriculture Scholarship
Brig. General H. G. Weems Scholarship
Weigel Athletic Scholarship
H. L. Weisbecker Scholarship
Horace W. Wells Scholarship Fund
Westvaco Foundation Scholarship Fund
West Virginia Architecture Scholarship
Dan B. Wexler Agriculture Scholarship Fund
White Stores Scholarship
Robert White-Selox Athletic Scholarship Fund
Charles F. Whiteside Memorial Scholarship Fund
Chris Whittle Scholarship Fund
William H. Wicker Law Scholarship Fund
Wilder Athletic Scholarship
C. E. Wiley Scholarship Fund
Marion M. Wilkin Scholarship
Wilcutts Graduate Fellowship
Shelby Williams Scholarship
Shelley Williams Travel Scholarship
Shelley Williams Portfolio Scholarship
Frank W. Wilson Scholarship Fund
H. W. Wilson Scholarship Fund
Tony Wilson Memorial Scholarship Fund
John H. Winstead Jr. Memorial Scholarship Fund

Irina B. Witt Memorial Scholarship Fund
Singleton Watson Endowment
James Wolfkessel Scholarship in Graphic Art
Margaret Woodruff Award Fund
Arthur Brownlow Wood Memorial Scholarship
George & Martha Wood Scholarship Fund
Chancellor Glenn W. Woodruff Scholarship
John Wooten Scholarship Endowment Fund
Richard Wright Scholarship Fund
Working Students Assistance Fund
Senator J. Parks Worley Scholarship Fund
Jack Wright Memorial Scholarship Fund
Gerti Wunderlich Fund in German
Jack York & Scott Kendall Scholarship in Finance
Zdyrka Children Memorial Scholarship
Edwin F. Zwicker Memorial Scholarship Fund

HONORS AND AWARDS

DEAN'S LIST
Public announcement of students passing a semester's work: "Summa cum laude" (3.60 through 4.00), "Magnae 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 summer schools or off-campus courses. The honors and awards listed herein are reserved to The University of Tennessee, Knoxville.

COLLEGE OF AGRICULTURE

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

The American Society of Agronomy makes available a Certificate of Merit for an outstanding senior in the Department of Plant and Soil Science who has a superior academic record and displays evidence of high potential in this field.

The American Society of Animal Science awards scholarship medals and emblazoned 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.

The Danforth Foundation Inc. provides a fellowship to support two weeks of leadership training at Camp Miniwana on the shores of Lake Michigan for an outstanding agricultural student following the freshman year.

M. Jacob Animal Husbandry Award
Given by East Tennessee Packing Company.

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.

J. B. Madden Memorial Foundation Fund Established by J. B. Madden family, for prizes in livestock judging competition.

Student-Faculty Council Awards. Each year the College of Agriculture Student-Faculty Council presents plaques to four seniors, three juniors, and sophomores 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 architectural design.

Nell Mann Brown Scholarship in Architecture. Awarded to outstanding student.

Hubert Bobb Scholarship. Awarded to outstanding design student at end of second year.

General Shale Products Corporation Fellowship. Scholarships awarded to students in the College of Agriculture for third, fourth or fifth year students.


M. X. Design Minority Scholarship. Awarded to outstanding design student.

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

Pella 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 Scholarship. Funded by the Tennessee Foundation for Architecture for third, fourth or fifth year student from East Tennessee Chapter or Watauga Chapter of A.I.A.

Jim Booher Memorial Scholarship. Funded by the Tennessee Foundation for Architecture for third, fourth or fifth year student from East Tennessee Chapter or Watauga Chapter of A.I.A.

COLLEGE OF BUSINESS ADMINISTRATION

Beta Gamma Sigma Awards. Plaques and awards given to the freshman and sophomore students with highest grade point averages by this national business honorary society.

Delta Sigma Pi Scholarship Key. Given by international fraternity to male senior with highest four-year scholastic average.

Listen M. Fox Memorial Undergraduate Scholarship. Awarded annually to the rising sophomore who is being admitted to a major in the College of Business Administration.
John Fred Holly, Jr. A memorial scholarship endowed by benefactors.

Knoxville Sales Executive Club Award.

Plaque plus dinner in student's honor, to outstanding senior marketing major.

John M. and Suzanne W. Larsen Phi Kappa Phi Scholarship. Awarded to the College of Business Administration junior initiates with the highest grade point averages.

John M. and Suzanne W. Larsen Beta Gamma Sigma Outstanding Male and Female Awards. Awarded to the male and female College of Business Administration junior initiates with the highest grade point averages.

James R. and Dorothy Newman Transportation Scholarship Fund. Awarded on an annual basis to a student chosen by the scholarship committee for the department.

Fulton Beverly Moore, III Memorial Real Estate Scholarship. A memorial scholarship fund endowed by the parents.

Pi Omega Pi Scholarship Key. Key to senior business education major with highest 7 semester scholastic average.

Shell Companies Foundation Scholarship/Transportation and Logistics.

University of the Bank Administration Institute. Cash awarded to a junior or senior who is a resident of Tennessee and majoring in banking.

Tennessee Eastman Scholarship in Office Administration. Awarded to undergraduate students only. Recipients shall be selected on the basis of academic excellence.

William Way, Jr. Memorial Award. Gold medal or key to senior transportation major with highest academic average.

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.

COLLEGE OF COMMUNICATIONS

Kari and Madira Bickel Scholarships. Freshman, upperclass and doctoral scholarships. Open to students showing academic performance (3.00 or B or better), professional promise, and need.

Edward J. Meeman International Communications Fellowships. To two outstanding graduate students from other countries.

Greater Knoxville Advertising Club Scholarship Fund. Awarded to an undergraduate student in advertising.

Greater Knoxville Ad Club Award. Given to outstanding graduate in Department of Advertising.

Maryville-Alcoa Daily Times Scholarship in Advertising. Awarded to juniors or seniors majoring in advertising.

Maryville-Alcoa Daily Times Scholarship in Journalism. Awarded to juniors or seniors majoring in journalism.

Hoyt B. Wooten Award. Given by family. Plaque and basic broadcasting broadcast awarded to the outstanding senior in recognition of scholarship and broadcasting achievement.

Journalism Faculty Scholarship. To an outstanding news-editorial and public relations major in the School of Journalism.

Myron G. Chambers Scholarships. To one or more outstanding undergraduates in the Department of Advertising.

Frank B. Powers Scholarship. Given by Scripps-Howard Newspapers to one or more outstanding undergraduates in the Department of Advertising.

Sammie Lynn Puett Award. Given to outstanding student in the public relations sequence in the School of Journalism.

Society of Professional Journalists Scholarships. Given by East Tennessee professional chapter of Sigma Delta Chi to news-editorial journalism or broadcasting news/public affairs majors. Funds are raised by the chapter's annual Front Page Follies and presented in the names of Tom Siler and Earl Thompson - Distinguished East Tennessee journalists.

Society of Professional Journalists, Sigma Delta Chi Outstanding Graduate Citation. Certificate given by professional journalism society to outstanding graduate.

Willis C. Tucker Scholarship Award. Given by Society of Professional Journalists, Sigma Delta Chi. Silver bowl or key to graduating senior with highest academic average.

Amanda M. Bonham Journalism Award. Given to an outstanding entering freshman.

Frederick T. Bonham Journalism Award. Given to an outstanding entering freshman.

The Nashville Banner Scholarship. It covers a student's complete expenses for the academic year. Given to an outstanding entering freshman planning a career in print journalism who has graduated from an accredited high school in Middle Tennessee.

The Francis "Red" O'Donnell Scholarship. Given to an outstanding entering freshman who has graduated from an accredited Tennessee high school and is committed to a career in print journalism.

James Wolffkiel Scholarship. Given to a journalism major interested in a career in newspaper graphic arts.

Donald G. Hileman Scholarship. Given to an outstanding junior or senior in the College of Communications who displays outstanding professional promise.

Josephine O'Keefe Scholarship. Given to an outstanding undergraduate in the Department of Advertising.

Tri-Cities Metro Advertising Federation Scholarship. Given to one or more outstanding students in the Department of Advertising.

The Knoxville News-Sentinel Advertising Scholarship. Given to one or more outstanding students in the Department of Advertising.

The Knoxville News-Sentinel Journalism Scholarship. Given to one or more outstanding students in the School of Journalism who have shown exceptional professional promise.

The Knoxville News-Sentinel Journalism Scholarship. Given to one or more outstanding students in the School of Journalism who have shown exceptional professional promise.

Advertising Scholarship Fund. Given to one or more outstanding students in the Department of Advertising based on academic achievement and professional promise.

Chester A. Molley Memorial Scholarship. Given to an outstanding member of the staff of The Daily Beacon.

Nat P. Caldwell Journalism Scholarship. Given to a junior or senior in the School of Journalism who has demonstrated an interest in a career as a public affairs reporter.

Horace V. Wells Jr. Scholarship. Given to one or more outstanding juniors or seniors in the School of Journalism who has a special interest in a career in community journalism.

John P. Hart Scholarship in Broadcasting. Given to a junior or senior in the Department of Broadcasting who has demonstrated outstanding professional promise.

Irving G. Simpson Award. Given to an outstanding junior or senior in the Department of Broadcasting.

Broadcasting Department Scholarship. Given to one or more outstanding seniors in the Department of Broadcasting who have demonstrated outstanding academic achievement and professional promise.

Escar Thompson Memorial Scholarship. Given to a junior or senior in the School of Journalism who has exhibited outstanding professional promise.

COLLEGE OF EDUCATION

Knoxville Branch of American Association of University Women Award. Membership to senior women selected on basis of scholarship and leadership qualities.

New Repertory Dance Company Scholarship Fund. Awarded to dance majors.

Pi Lambda Theta Fraternity Scholarship Key. Key to junior woman showing most outstanding qualities for professional leadership in education, attaining high scholastic average through junior year.

COLLEGE OF ENGINEERING

American Association of Cost Engineers Scholarship.

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 Scholaristic 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 member of the student section for outstanding contribution to the department and the University.

Allen R. Cox Memorial Scholarship.

Albert S. Fry Scholarship in Civil Engineering. An annual cash award to a sophomore or junior in civil engineering based on scholarship and activity in the ASCE student chapter.

The Arthur Brownlow Wood Memorial Scholarship. The Arthur Brownlow Wood Memorial Scholarship Fund awarded annually to one or more outstanding students in engineering.

Association of Textile Industrial Engineers Award. A cash one-year award.
based on need, given by the Department of Industrial Engineering to a senior.

Billy J. and Sylvia F. Moore Scholarship Fund. A cash award given to one or more upperclass students majoring in electrical engineering, preferably seniors who have participated in the engineering coop program. Based on both academic achievement and need.

East Tennessee Chapter of American Institute of Industrial Engineers Award. Award of handbook and plaque to the outstanding senior industrial 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 character. Name on plaque.

Jere B. Ford Memorial Scholarship. A cash award presented annually by the Tennessee Roadbuilders Association to an outstanding civil engineering student.

John F. Seilaz Memorial Award. Award by Tennessee State Chapter of Pi Tau Sigma to the student in mechanical and aerospace engineering graduating with the highest scholastic record.

Kimley-Horn Scholarship in Civil Engineering. Proctor & Gamble Minority Chemical Engineering Scholarship Fund. Awards can be made to minority chemical engineering students who are either United States citizens or USA permanent-visa holders.

John Milton Snodry Scholar Award Endowment Fund. Cash award in recognition of scholastic achievement and evidence of high potential as a future civil engineer, to one or more upperclass civil engineering students as selected by the civil engineering faculty.

L. Raymond Shoeb Excellence in Engineering Mechanics Award. Given annually to student with outstanding record of undergraduate study in engineering mechanics at UTK. 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.

Texas Philanthropic Foundation 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.

WATTec UT Engineering Scholarship

American Express Undergraduate Scholarship. Awarded to tourism, food and lodging students.

Catherine Burton Chi Omega Scholarship. Awarded to sophomores and upperclass students.

Dorothea H. Barton Scholarship. Awarded to an outstanding junior in all majors except tourism, food and lodging administration. Variable.

Dottie Sanders Scholarship. Awarded to an interior design student.

D.W. Profitt Foundation Scholarship. Awarded to merchandising majors.

Edward C. and Catherine D. Cifers Scholarship. Awarded to students in all majors.

Farm Credit Bureau, Region IV. Awarded to entering freshman from any county in Region IV.

Frank and Ruth Liggett DeFriese Scholarship. Awarded to a home economics student annually.

F. Dwight McDonald Scholarship. Awarded to an entering freshman from any county where a White Store is located.

Hawkins County Farm Bureau. Awarded to a freshman from Hawkins County.

Irene Hill Greene and Conlon L. Greene Memorial Scholarship. Awarded to student from Anderson County.

Jane Savage Scholarship. Awarded to nutrition or food science students.

Jessie W. Harris Scholarship. Awarded to junior and senior with highest scholastic records.

Joseph K. Hach Family Scholarship. Awarded to tourism, food and lodging students.

Knoxville A la Carte Scholarship. Awarded to tourism, food and lodging students.

Lewisohn Scholarships. Endowed by Frederick Lewisohn. Ten, variable.

Louis Sr. and Lydia B. Seilaz Memorial Scholarship. Awarded to child and family studies majors.

Nellie Crooks Award. Award to an outstanding student.

Omicon Nu Sophomore Scholarship Award. Awarded by the home economics honor fraternity.

Roane County Council of Home Demonstration Clubs. Awarded to freshman or transfer student from Roane County High School.

Shelby Williams Scholarship. Awarded to interior design and tourism, food and lodging majors from Lakeway (Morristown) area; may be awarded to out-of-state students.

Statter 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.

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 HUMAN ECOLOGY

Akima Club Interior Design Scholarship. Awarded to female, junior students enrolled in interior design. In-state tuition.

American Express Undergraduate Scholarship. Awarded to tourism, food and lodging students.

Catherine Burton Chi Omega Scholarship. Awarded to sophomores and upperclass students.

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Tennessee Rehabilitation Corporation Scholarships. Ten.

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 stu-
Mrs. J. Harvey Mathes Tennessee D. A. R. 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.

Judith 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 courses.

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

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

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

Judson H. Robertson Award in Analytical Chemistry. Established by the late Benjamun Rush Strong, Knoxville. Given to students preparing for outstanding achievement.

Department of History.

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for study in medicine. Students with minimum 3.0 average in all subjects, is eligible for active membership. Those honorary societies have chapters at The University of Tennessee, Knoxville. Membership in these organizations is generally based on the initiate's good character, professional interest in the chosen field, leadership characteristics, and academic work. Those honorary societies, both national and local, with chapters at UTK are:

Alpha Chi Sigma, for chemical engineering and chemistry students. Student must have a grade point average of 2.5 in chemistry and/or chemical engineering combined and 2.5 in all academic work and must have been enrolled in this school for at least one semester of history. Students are elected by others in their respective class.

Alpha Epsilon Delta, for students preparing for study 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 also may be initiated in the next year if 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. Three under-graduate candidates for membership must have a 2.5 cumulative average. 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 with an average grade of 2.0 before being eligible for initiation.

Alpha Pi Mu, for industrial engineering students. Prospective members are chosen from the upper one-third of the senior class and upper one-fifth of the junior class. A minimum 2.5 average is required.

Alpha Zeta, agricultural fraternity for juniors and seniors. Prospective members must be among the top 10% of their respective classes and must show leadership ability.

Beta Alpha Psi, for accounting students. Any undergraduate or graduate 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 honorary society for undergraduate students with 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. MBA students must be in the top 20 percent of graduating class, and DBA 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 class are eligible for membership.

Delta Nu Alpha, for transportation students. Prospective members must have completed the basic transportation courses and have a minimum 2.5 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. A minimum of 30 semester hours of University credit with a scholastic average of at least 2.5 is required for initiation.

Delta Sigma Pho-Tau Kappa Alpha honor society 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. Membership is open to students majoring in electrical engineering and who have shown promise or superior ability in carrying on advanced study and/or research during the last two years of undergraduate or graduate work. A minimum 3.0 average in all fields of study is required. Students are elected from students with a minimum 3.2 average for at least 3.4. Iota Lambda Sigma, for industrial education students. No one may be initiated until he has maintained a minimum 3.0 in one-half of the accredited education courses with at least a 3.0. Apache Delta Pi, honor society for professionals and students in education. Membership is open to students majoring in education and who have maintained a cumulative grade point average of 3.0. Lambda Sigma, for students enrolled in the department of education. Students must have completed a minimum of 2.5 average is required. Omicron Delta Epsilon, for students majoring in the subject area and an 80 percent overall average. 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. Omicron Delta Kappa, for junior and senior students.

Order of the Coif, for law students. Phi Alpha Delta, for law students. Phi Delta Tau, national women's 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 majors and seniors who are candidates for classical languages. Membership is open to students who have attained at least a 3.0 average in Latin or Greek courses.
Pi Lambda Theta, for students in music and music education.
Pi Lambda Theta is 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.

Phi Eta Sigma, for freshmen who have at least a 2.3 overall grade average and having completed at least 30 hours. Prospective members must have shown marked achievement in the field of nursing. Undergraduate students who have 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 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.
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 UTK 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 UTK 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. UTK 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 UTK. 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 UTK.

REQUIREMENTS FOR ADMISSION AS A UTK UNDERGRADUATE STUDENT

Anyone interested in attending UTK 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, UTK, 320 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 UTK 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 require 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.

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 UTK Admissions Office as a part of the admission file. Students who have achieved a high school diploma through the General Education Development (GED) Test also 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.
to meet specific curriculum requirements
classified as a freshman, sophomore, junior,
school in which the student's program is
UTK courses. These courses may be used
courses from other institutions will be
the responsibility for determining which
tors of the colleges and schools at UTK, has

nor the SAT are not required to do so. Upon
those institutions directly to the UTK Admis-
complete transcript of all work at each col-
applicant under the rules described above
ing and who does not qualify as a freshman
more accredited institutions of higher learn-
om of college credit coursework at one or
TRANSFER APPLICANTS
the School of Architecture.
admission and progression are listed under
required courses . Specific requirements for
admission at the time of university admission
of the School is carefully designed by
stages, and students who are not ready for
admission to the University . The program
records . These records should describe the
covered, with grades earned in each subject.

To apply for admission as an undergrad-
student, each international student is
from the Admissions Office or from the
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
ecourages provisional admission at the time
of admission to the University. The program
of the School is carefully designed by
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 learn-
ing and who does not qualify as a freshman
applicant under the rules described above
must apply for admission as a transfer stu-
dent. In addition to high school transcripts, a
complete transcript of all work at each col-
lege or university attended should be sent by
those institutions directly to the UTK Admis-
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 do so. Upon
admission to UTK, a student may be
classified as a freshman, sophomore, junior,
or senior, according to a 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 direc-
tors of the colleges and schools at UTK, has
the responsibility for determining which
courses from other institutions will be
accepted for transfer credit. Certain transfer-
able courses are not equivalent to specific
UTK courses. These courses may be used
to meet specific curriculum requirements
only with approval of the UTK 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 UTK college or school for
review.
Prospective transferes to UTK are encour-
eged to consult a catalogue of related
courses rather than transferring a single
course from a series. Students at two-year
community colleges, particularly within the
State of Tennessee, are encouraged to com-
plete the appropriate requirements prior to
transferring to UT, provided that
such action is consistent with their educa-
tional goals.
In order to be considered for admission
to UTK, a transfer applicant must have a
transfer grade point average of 2.00 or
better (on a 4-point scale) for all courses eli-

gible for transfer credit.

INTERNATIONAL STUDENT
APPLICANTS
All foreign nationals on non-immigrant
visas are classified as international students
whether they are applying to UTK as fresh-
men or transfer students. In addition to the
information below, a pamphlet entitled "UTK
Overseas Applicant Information," is available
from the Admissions Office or from the
Center for International Education.

To apply for admission as an undergrad-
uate student, each international student is

required to provide the following:

1. A completed application for undergrad-
uate admission:
2. Authenticated copies of all academic
records. These records should describe the
courses of instruction in terms of years
spent in school and types of subject matter
covered, with grades earned in each subject.
3. Evidence of English proficiency accord-
ing to the following requirements for
students whose first language is not English:

a. Any applicant to the undergraduate
program whose first language is not Eng-
lish - with the exception of some
transfers from regionally accredited col-
leges or universities in the United States
(see b below) - must take the "Test of
English as a Foreign Language (TOEFL)"
score of at least 525 (earned within two
years prior to application) before being
admitted; final consideration cannot be
granted until test results are received by
the Director of Admissions.
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
classes must enroll in the first
semester. Attendance at the University of
Tennessee, Knoxville.
c. An undergraduate student whose first
language is not English is exempted from
taking the UTK 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. Freshmen English for For-
eign 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 Eng-
ish but who has graduated from a high
school in a country whose first language
is English, may be admitted with the mini-
mum ACT English score of 20 (SAT
verbal 410) or TOEFL 525. Any other
United States citizen or permanent resi-
dent 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
deposit prior to issuance of Form I-20 to
secure a student visa.

5. International students must enroll in
the health and accident insurance plan pro-
vided by UTK.

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

VISITING STUDENT APPLICANTS
A visiting student is one who is actively
enrolled in a program at another accredited
institution of higher learning but who desires
to enroll temporarily at UTK 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
UTK must file an application for admission
as a transfer student. Students desiring to
attend UTK 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 avail-
able at UTK for visiting students, use of UTK
courses in a visiting student's degree pro-
gram is a matter to be decided by the home
institution. Academic advisors are not

obliged to provide information about courses in which
the student enrolls and may be obtained from
the academic departments. Visiting students must have the required background (prereq-
usities) 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
UTK. Freshman re-entry students should
submit high school transcript(s) to the
Admissions Office. Transfer re-entry stu-
dents should 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 are made on an
individual basis. Exceptions to the admis-
sions criteria may be made for those
applicants who demonstrate sufficient prepa-
ration.
No applicant who has attended UTK will be considered a re-entry student. Former UTK students should follow readmission 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. Former 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 UTK.

SENIOR AND DISABLED APPLICANTS

Persons 50 years of age or older and/or totally disabled individuals 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 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 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 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.

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 3.50 and have an ACT composite of 28 or above or SAT of 1150 or above. Application is subject to review and approval by the Director of Admissions following an interview. For additional information and scheduling of an interview, interested students should contact the Office of Admissions, 320 Student Services Building.

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 will describe any further action which the applicant might take. The Dean of Admissions and Records has the prerogative of making exceptions on the minimally acceptable University in good standing who do not show high aptitude in certain scholastic skills but show other indications of ability to progress through UTK 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 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 enroll. 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 enroll. 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 may 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. Students who intend 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 unmarried 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, experiences, dependents, or spouse. Forms and copies of the Regulations for undergraduates may be obtained from the Residency Clerk, 320 Student Services Building. Additional appeals may be directed to the Fee Classification Coordinator, Room 320 Student Services Building. If a student classified out-of-state applies for in-state classification and is reclassified, the in-state classification shall be effective as of the date on which reclassification was sought. 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 that term. Rule 1720-1.180.

SPECIAL STATE AND FEDERAL LAWS FOR EDUCATIONAL PURPOSES

AMERICAN HISTORY

Effective July 1, 1978 and afterwards, all students receiving a bachelor's degree must have completed one unit of American history on the high school level or six semester hours of collegiate American history in order to receive a bachelor's degree as required by the General Assembly of the State of Tennessee (Tennessee Code Annotated Section 49-3253).

EEO/TITLE IX/SECTION 504 STATEMENT

The University of Tennessee, Knoxville, does not discriminate on the basis of race, sex, color, religion, national origin, age, handicap, or veteran status in provision of educational opportunities or employment opportunities and benefits. UTK does not discriminate on the basis of sex or handicap in the education programs and activities which it operates, pursuant to the requirements of Title IX of the Education Amendments of 1972, Pub. L. 92-318; and Section 504 of the Rehabilitation Act of 1973, Pub. L. 92-311, respectively. This policy extends to both employment and admission to the University.

Inquiries concerning Title IX and Section 504 should be directed to the Director of Affirmative Action, 405-D Andy Holt Tower, Knoxville, TN 37996-0144, 974-2498. Charges of violation of the above policy should also be directed to the Director of Affirmative Action.
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 UTK by the number of hours the student has attempted at UTK, not including hours for which grades of I, N, NC, P, S, and W have been received.

UNDERGRADUATE GRADES

<table>
<thead>
<tr>
<th>Grade</th>
<th>Performance</th>
<th>Quality Points</th>
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<tbody>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
<tr>
<td>D</td>
<td>Unsatisfactory</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>B+</td>
<td>Very Good</td>
<td>3.5</td>
</tr>
<tr>
<td>A</td>
<td>Superior</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade</th>
<th>Per Semester</th>
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</thead>
<tbody>
<tr>
<td>F</td>
<td>0</td>
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<tr>
<td>D</td>
<td>1</td>
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<tr>
<td>C</td>
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<td>B</td>
<td>3</td>
</tr>
<tr>
<td>B+</td>
<td>3.5</td>
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<tr>
<td>A</td>
<td>4</td>
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</table>

GRADE POINT AVERAGE

- The following grades carry no quality points, and hours for which these grades are earned are not 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. Registration withdrawal from courses or from the University appears 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. These grades are entered on the permanent record. S is given for C or better work on the traditional grading scale and NC is given for less than C work. The student only receives credit in the course if an S is received. A student may not repeat a course for S/NC if the student received a conventional grade (A, B+, B, C+, C, D, F).

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 SI, 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 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.

Unless it is 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 UTK 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:

- A (4 quality points per hour), superior performance
- B+ (3.5 quality points per hour), better than satisfactory performance
- B (3 quality points per hour), satisfactory performance
C+ (2.5 quality points per hour), less than satisfactory performance
C (2 quality points per hour), performance well below the standard expected of graduate students
D (1 quality point per hour), clearly unsatisfactory performance and cannot be used to satisfy degree requirements
F (no quality points), extremely unsatisfactory performance and cannot be used to satisfy degree requirements
I (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.
S/NC (carries credit hours, but no quality points); S indicates equivalent to B or better, and NC means no credit earned. Courses where NC is received may be repeated for an S. 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.
P/NP (carries credit hours, but no quality points), P indicates progress toward completion of a thesis or dissertation. NP indicates no progress or inadequate progress.
W (carries 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 UTK

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 UTK 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 UTK, 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 a major 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 UTK should review carefully the prescribed curricula of the respective degree-granting units and should choose courses in accordance with their college preference. A student selects 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 professor/supervisor, department heads, and college deans or advising centers. Numerous other sources of academic, career, and personal counseling exist on the UTK 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 can 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>
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<tr>
<th>SEMESTER HOURS PASSED</th>
<th>YEAR</th>
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<tr>
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<td>All Other Undergraduate Programs</td>
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</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 as 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, 420 Communications and University Extension Building. The Center supplies information on test dates and procedures, and also current departmental policies concerning the acceptance 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 Law or, except by prior permission, for students in the Center for Health Sciences.

All courses taken by correspondence for which degree credit is given must meet degree program requirements of the Knoxvillie campus. In addition, all currently enrolled UTK students who intend to take correspondence courses must have the approval of the dean of the college or school.
in which they are enrolled prior to registering for such college-credit correspondence course. Degree credit will not be granted for correspondence courses taken at an institution other than The University of Tennessee by a UTK student if an equivalent correspondence course is not available at The University of Tennessee Center for Extended Learning.

Correspondence courses are 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 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 work for teacher certification purposes should consult the State Department of Education of their respective states concerning the amount of correspondence credit allowed for teacher certification.

Effective September 1, 1989, students may only register for semester credit correspondence courses.

COURSE NUMBERS AND LEVELS

Each course offered by the University is identified by the name of the department offering the course and a three-digit course number. These numbers indicate course level, as follows:

- Course Numbers 000-099
  - Lower-division (primarily for freshmen and sophomores)

- Course Numbers 100-199
  - Lower-division (primarily for juniors and seniors; when taken for credit, the letter "G" will precede the course credit hours on the grade report)

- Course Numbers 200-299
  - Upper-division (primarily for juniors and seniors; when taken for credit, letter "U" will precede the course credit hours on the grade report)

- Course Numbers 300-399
  - Graduate; sometimes available for undergraduates (when taken for undergraduate credit, the letter "U" will precede the course credit hours on the grade report)

- Course Numbers 400-499
  - Advanced graduate; open to graduate students only

- Course Numbers 500-599
  - Law; occasionally open to other qualified students. Veterinary medicine.

To be eligible for upper-division work a student must normally have attained junior (third-year) status. Some departments, colleges, or schools require approval by the dean of the student's college to enroll in upper-division work. This rule applies to transfers as well as to those who have previously attended the University. A cumulative grade point average of at least 2.00 is required to begin upper-division work.

Following certain course descriptions in this catalog are the designations: F, S, Su, A-O, A-E, E. These indicate the semesters Fall, Spring, Summer, Alternate Odd Academic Years, Alternate Even Academic Years, or Every Semester in which a course is normally offered and are intended as an aide to students planning their programs of study.

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. 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 will 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 prior to the study period. Courses that are exempt from this policy are so indicated in the catalog course description.

GRADUATING SENIOR PRIVILEGES

A senior who fails one subject during the semester of intended graduation may, with approval, take an examination or other appropriate form of evaluation. The senior must receive the approval of the instructor and appropriate collegiate personnel which may include the department head and/or dean. The evaluation may take place at the beginning of or during the next semester, and, if successful, the senior will receive the degree at the next commencement.

HONORS STATEMENT

All facets of the University community have responsibilities associated with the Honor Statement. These responsibilities are unique to each sector of the University community.

Each student is responsible for his/her own personal integrity in academic life. While there is no affirmative duty to report the academic dishonesty of another, each student, given the dictates of his/her own conscience, may choose to act on any violation of the Honor Statement. Each student is responsi-

ble for knowing the terms and conditions of the Honor Statement and may acknowledge his/her adherence to the Honor Statement by writing 'Pledged' and signing each graded class assignment and examination.

Faculty members also have responsibilities which are vital to the success of the Honor Statement and the creation of a climate of academic integrity within the University community. Each faculty member is responsible for defining, in specific terms, guidelines for preserving academic integrity in a course. Included in this definition should be a discussion of the Honor Statement. Faculty members at their discretion may also encourage their students to acknowledge adherence to the Honor Statement by "pledging" all graded class assignments and exams. The form of pledge may include writing the honor statement on the assignment, signing the printed statement, or simply writing "Pledged". Additionally, it will be the responsibility of each faculty member, graduate teaching assistant, and staff member to act on any violation of the Honor Statement. It is also incumbent upon faculty to maintain an atmosphere conducive to academic integrity by insuring that each quiz, test, and exam is adequately proctored.

An essential feature of The University of Tennessee, Knoxville, is a commitment to maintaining an atmosphere of intellectual integrity and academic honesty. As a student of the University, I pledge that I will neither knowingly give nor receive any inappropriate assistance in academic work, thus affirming my own personal commitment to honor and integrity.

HONORS COURSES

Courses specifically designated as honors courses will receive the notation "Hon". These courses are available, but not exclusive to, those students enrolled in the University Honors Program. Students selected on the basis of ACT/SAT scores and previous academic performance may also enroll. There is no limit to the number of credits that may be earned in these courses except in the senior readings courses not requiring regular class attendance. These courses may not total more than six credit hours toward graduation. In the fields of science that offer four credit hour courses, the total may be eight semester hours.

Letters are sent to entering freshmen who qualify for non-departmental honors courses. Students other than freshmen should consult the Director of Honors Program or individual programs.

INCLEMENT WEATHER

The University of Tennessee, Knoxville, will remain open except in the most severe weather conditions. The Chancellor may officially close or suspend selected activities of the University because of extreme weather conditions. When a decision to close is reached, campus and local radio and TV stations will be notified so that appropriate announcements may be made.

If the University is officially closed, certain essential activities such as food service, physical plant, police, steel plant, and tele-

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phone services will continue to operate. Some facilities such as the library and University Center will, if possible, continue to function as a service to students and faculty. When the University is officially closed, its policy of Days of Administrative Closing will apply for staff exempt and staff non-exempt employees.

In the event of inclement weather when the University remains open, all faculty, administrators, and staff will be expected to make every reasonable effort to maintain their regular work schedules, but are advised to avoid undue risks in traveling. Employees who anticipate arriving late or not arriving at all should notify their immediate supervisors. Employees will have the option of charging their time off to annual leave or leave without pay; or, with approval, they may make up their lost work hours.

Students will be responsible for any academic work which they 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 reasonable opportunities for students to complete assignments or examinations missed due to such absences.

MINIMUM CLASS SIZE
An undergraduate course will not normally be given 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 to departments the decisions 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 for all examinations.

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/N/C 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 transcript. The maximum credits 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 UTK 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 advisers 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 at least 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 continuing 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 majors when they enter UT. 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 UTK as freshmen may remain as University Students no longer than through the completion of their second full term of study (30 semester hours). Students who transfer from another college or university may enroll as University Students, however if the total number of hours transferred is more than 30 semester hours, transfer students may remain as University Students no longer than through the completion of 15 semester hours.

UTEK students who fail to progress in a given major, college, or school and are undecided about an alternative course of study may continue at UTK 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 admissions office, the College of Education, 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
By checking the column headed “English Deficiency” on the grade forms, individual faculty members have the opportunity to report students who are deficient in writing to the Writing Laboratory for help in improvement. Such students are required to begin work in the laboratory at the start of their next term in residence and continue this work until their writing is deemed adequate. The adequacy of a student’s writing will be determined by:

a. demonstration of adequate writing skills on the Writing Laboratory Diagnostic Test. A passing grade on this text excuses a student from required laboratory attendance for one year. Reports in subsequent years of writing deficiency will require the student to demonstrate his/her writing proficiency once again; or

b. demonstration, to the satisfaction of the Writing Laboratory director, of adequate writing skills in assignments and work sessions designated by the Director. Release by the director of the Writing Laboratory excuses a student from required laboratory attendance for one year. Reports in subsequent years of deficiency will require the student to demonstrate his/her writing proficiency once again.

A student must fulfill the above requirements to graduate. However, if a student has no obligation to the Writing Laboratory in the term before graduation, a new report in the final term will not prevent graduation. A student reported as deficient in writing will have his/her class schedule held the fol-
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 Notification. Freshmen students who have been absent from UTK 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 the orientation 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 that 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.

AUDITING COURSES

Students may enter classes as auditors with the consent of the instructor. Auditors are required to pay credit 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.

There are two drop deadlines at UTK prior to which students may withdraw from courses without penalty. Consult the current timetable for announced calendar dates. For all first semester undergraduate students, the drop deadline is 22 calendar days after the beginning of classes. After completion of the first semester of undergraduate study, the drop deadline is 10 calendar days after the beginning of classes. The exceptions to these deadlines will be listed in theCatalog for regulations concerning withdrawal from the University.

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 instructors 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 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 be acceptable for a late drop are improper registration by the student or failing a course.

WITHDRAWING FROM THE UNIVERSITY

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 Office.

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 instructors 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 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 be acceptable for a late drop are improper registration by the student or failing a course.

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 UTK 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.

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 be acceptable for a late drop are improper registration by the student or failing a course.
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 grade for such work will not be included 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 below 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 UTK after readmission. In addition, at least 80 semester hours of letter grades (A-F) must be earned after readmission in order to meet the minimum qualifications 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 UTK and no later than one calendar year following readmission to UTK.

READMISSION

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 deadlines.

A student who has been dropped academically must apply for readmission. Former students who are in the interval have been enrolled at another accredited 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 UTK, 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 the 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 change 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 provided the curriculum has been effective 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 college 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 at least 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, Knoxville. 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 correspondence courses taught by the faculty of the Knoxville campus may be counted as part of this requirement, with the exception of the limitation noted in the regulations concerning correspondence work. Special arrangements to allow work taken at other University of Tennessee campuses to be counted as part of this requirement must be approved by the dean of the student's major college or school and the Dean of Admissions and Records.

(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.

Prior to completion of all academic 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:
"cum laude" 3.50 through 3.64
"magna cum laude" 3.65 through 3.79
"summa cum laude" 3.80 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 on the average earned at The University of Tennessee, Knoxville. Students must have earned at least 60 hours at UTK in order to qualify for honors categories. For all other students, the honors category is based on the average earned at UTK 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.

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 Science

#### COLLEGE 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
- Bachelor of Science in Veterinary Medicine

### THE UNIVERSITY REQUIREMENT

#### GENERAL EDUCATION AT UTK

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 UTK 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 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.

#### Integrative Studies (2 courses)
Courses used to meet this requirement may be of three broad types:
1. Multicultural studies, which analyze international dimensions of critical issues or explore elements and values that shape a culture other than the student's own;
2. Interdisciplinary studies, which incorporate the methods and approaches from two or more disciplines to explore major issues; or
3. 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.
## TERMS COMMONLY USED IN ADMISSION AND REGISTRATION PROCEDURES AT UTK

### Admission
The process of being admitted to UTK as a university student with the opportunity to take classes.

### Progression
An internal evaluation process in some colleges or degree programs by means of which a student's academic standing is examined to determine if prior work is complete and if the student should proceed towards completion of the remaining degree requirements. The most common evaluation point is at the end of the sophomore year.

### Lower division
1. A course normally taken during the freshman and sophomore years. In the UTK courses numbering system, lower division courses carry 100 and 200 numbers. Credit for lower division courses completed at another institution may be labeled "LD credit."
2. A term referring to a student's location in the progression of coursework leading to an undergraduate degree and implying freshmen or sophomore classification.

### Upper division
1. Courses normally taken during the junior and senior years (300 and 400 numbers at UTK). A student taking primarily junior and senior courses is said to be an upper division student. Credit for upper division courses may be labeled "UD credit" on a transfer evaluation.
2. The state of being classified as a junior or senior.

### Add and drop deadlines
The latest date in an academic quarter at UTK when a course may be added or dropped from a student's class schedule without approval of someone other than the student (exception: when the additional hours produce an academic overload).

### Curriculum
The set of courses offered in a particular degree program. More generally, the courses (in total) offered in a college or university. The plural word is curricula.

### Prerequisite
A requirement to be completed (or a level of skill or knowledge to be demonstrated) before enrollment in a course, a degree program, or association with a college.

### Corequisite
A course to be taken or a requirement to be fulfilled at the same time as a particular course is being taken.

### Application deadline
The date which all documents required for the admissions file of a prospective student must be received by the UTK Admissions Office.

### Admissions file
The set of documents related to a request for admission to UTK. The set contains the application form and official transcripts of previous work in high school or college and may contain standardized test scores (ACT or SAT for freshman applicants), a statement of career objectives, forms for international students, or other information required by the Admissions Office.

### Registration
The process of officially gaining entrance into one or more courses.

### Orientation
A meeting (or series of meetings) designed to acquaint a new student with the facilities, policies, sources of information and assistance, and academic and social atmosphere of UTK.

### Semester hour
The unit of academic credit at UTK.

### Academic load
The total semester hours of credit for all courses taken during a specified time—semester, summer term, or other special sessions.

### Full-time
One who is registered for 12 hours or more during a semester.

### Semester
The division of the calendar year used in academic scheduling at UTK. A semester is roughly 4 months in duration.

### Quality points
UTK compiles academic performance records through use of a scale assigning 4 "quality points" per semester hour of credit for an "A" grade ranging to 1 quality point per semester hour of credit for a "D" grade.
<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade point</td>
<td>An average on the 4-point scale determined by dividing the total accumulated quality points by the corresponding total of hours of credit attempted. Certain grades do not influence this computation. High schools have a similar procedure for computing an average on the numerical grading scale (often abbreviated as HSGPA).</td>
</tr>
<tr>
<td>AP exam</td>
<td>An Advanced Placement Examination in a specific subject area available nationally to high school students from the College Entrance Examination Board (CEEB). Obtain information on taking the examination from a high school guidance counselor. Information on UTK course credit for these examinations is available from the Admissions Office.</td>
</tr>
<tr>
<td>CLEP test</td>
<td>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 at UTK are found in this catalog.</td>
</tr>
<tr>
<td>Proficiency exam</td>
<td>A test given to a student admitted to UTK to evaluate knowledge or skills normally acquired through completion of a particular UTK course.</td>
</tr>
<tr>
<td>TOEFL test</td>
<td>An internationally administered examination measuring ability to use the English language. Required of any international student applying to UTK 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 18540</td>
</tr>
<tr>
<td>English Proficiency Test</td>
<td>A test taken at UTK prior to initial registration (but after admission) by undergraduate international students to determine what English course (if any) must be taken at UTK. This local test is in addition to the minimum TOEFL test requirement.</td>
</tr>
<tr>
<td>University honors courses</td>
<td>Non-departmental enrichment courses available (by invitation only) from the University Honors Program.</td>
</tr>
<tr>
<td>Honors course or section</td>
<td>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.</td>
</tr>
<tr>
<td>Evening school</td>
<td>An administrative unit of UTK's Division of Continuing Education designed to serve students who work during the major portion of the day.</td>
</tr>
<tr>
<td>Major</td>
<td>The principal education interest of a student as represented by one of the curricula offered by the various colleges at UTK. 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 or be following an option within a major.</td>
</tr>
<tr>
<td>Minor</td>
<td>A secondary subject area interest (to the major) represented by a specified set of hours and/or courses. Differs from &quot;concentration&quot; in that a minor is not a subdivision of the major subject area.</td>
</tr>
<tr>
<td>Concentration</td>
<td>A collection of courses within a major which focuses on a particular subject area. The term &quot;concentration&quot; describes the nature of the set of courses.</td>
</tr>
<tr>
<td>Option</td>
<td>A concentration of elective courses within a major which emphasizes one aspect of the major, chosen by a student according to his/her interests.</td>
</tr>
<tr>
<td>Accredited</td>
<td>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.</td>
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<td>DEPARTMENT (UNIT)</td>
<td>MAJOR</td>
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<tr>
<td>College of Agriculture</td>
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<td>Agricultural Economics and Rural Sociology</td>
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<td>Agricultural and Extension Education</td>
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<td>Agricultural Engineering</td>
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<td>Ornamental Horticulture and Landscape Design1</td>
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<tr>
<td>School of Architecture</td>
<td>Architecture1</td>
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<td>College of Business Administration2</td>
<td>Accounting and Business Law</td>
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<td>General Business</td>
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<td>Public Administration</td>
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<td>Broadcasting</td>
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<tr>
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</table>

1 Minor available
2 Minor available: Coaching
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>
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<tbody>
<tr>
<td><strong>College of Education</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
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<td><strong>Curriculum and Instruction</strong></td>
<td>Elementary Education</td>
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<td><strong>Technological and Adult Education</strong></td>
<td>Special Education&lt;sup&gt;2&lt;/sup&gt;</td>
<td>General Special Education Speech and Hearing</td>
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<td><strong>Health, Leisure and Safety</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Health Education&lt;sup&gt;1&lt;/sup&gt;</td>
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<td><strong>Nuclear Engineering</strong></td>
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<tr>
<td><strong>College of Human Ecology</strong></td>
<td><strong>Child and Family Studies</strong></td>
<td>Child and Family Studies&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Bachelor of Science in Human Ecology</td>
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<tr>
<td><strong>Home Economics Education (Intercollegiate)</strong></td>
<td>Home Economics Education</td>
<td>Bachelor of Science in Home Economics</td>
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</tbody>
</table>

<sup>1</sup>Minor available: Coaching
<sup>2</sup>Minor available: General Special Education
<sup>3</sup>Minor available: Driver and Traffic Education and Health Education
<sup>4</sup>Minor available: In Portuguese
<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
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<th>CONCENTRATION WITHIN THE MAJOR</th>
<th>DEGREE</th>
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<td>Nutrition and Food Science</td>
<td>Nutrition and Food Sciences</td>
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<td>Interior Design</td>
<td>Merchandising, Textile Science, Apparel</td>
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<td>Graphic Design/ Illustration</td>
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<td>Studio Art Ceramics</td>
<td>Ceramics, Drawing, Fiber-Fabrics, Inter-Area, Painting, Printmaking, Sculpture, Watercolor</td>
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<td>Cultural Studies</td>
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<td>Economics</td>
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<td>Russian</td>
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<td>Mathematics</td>
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<td>Honors Program in Mathematics</td>
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</table>

1 Minor available
2 Minor available for students in other colleges
3 Minor available: Coaching
4 Minor available: General Special Education
5 Minor available: Driver and Traffic Education and Health Education
6 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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<td>Microbiology</td>
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<td>Music History &amp; Literature</td>
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<td></td>
<td>Multiple Woodwind Instruments</td>
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<td></td>
<td>Organ</td>
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<td>Sacred Music (organ and piano)</td>
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<tr>
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<td>Sacred Music (voice)</td>
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<td>Piano</td>
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<td>Strings</td>
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<td>Voice</td>
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<td>Woodwind, Brass and Percussion Instruments</td>
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<td>University Studies</td>
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<td>Bachelor of Science in Social Work</td>
<td>Bachelor of Science in Social Work</td>
</tr>
</tbody>
</table>

1 Minor available for students in other colleges
2 Minor available: Coaching
3 Minor available: General Special Education
4 Minor available in Portuguese
5 Minor available: Driver and Traffic Education and Health Education
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 they 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 UTK 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 UTK campus must have a grade point average of 2.0.

The use of transfer credit in technical subject matter areas appropriate to each organized program 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 Tennessee 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 are found 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 laboratory facilities for instructional programs offered in the College.

Cherokee Woodlot (120 acres), the Oak Ridge Forest (2,260 acres), and Area 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 of 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 UTK. Specific requirements are listed by each department offering a minor.

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:

Agriculture and Renewable Natural Resources Perspectives (3)

Biological Sciences (College of Agriculture courses included) (8)

Computer Science (3)

English and Communications (12)

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)

Major Courses (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.

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 all 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 UTK, 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. Williamson (Head), Ph. D.
Missouri; M. B. Badenhop (Emeritus), Ph. D.
Ph. D.
B. R. Brooker, Ph. D.
Florida;
D. L. McLemore, Ph. D.
Clemson; J. H. Williamson (Head), Ph. D.

C. B. Sappington (Emeritus), Ph. D.
Illinois;
J. R. Brooker, Ph. D.
Florida;
J. A. Martin (Emeritus), Ph. D.
Wisconsin; J. R. Brooker, Ph. D.
Florida;
M. B. Badenhop (Emeritus), Ph. D.

D. B. Eastwood, Ph. D.
Tufts; L. H. Keller, Ph. D.

B. R. McManus, Ph. D.
Purdue;
D. L. McLemore, Ph. D.
Clemson; S. D. Mundy, Ph. D.

D. B. Eastwood, Ph. D.
Tufts; L. H. Keller, Ph. D.

H. Williamson (Head), Ph. D.
Missouri; M. B. Badenhop (Emeritus), Ph. D.
Ph. D.
B. R. Brooker, Ph. D.
Florida;
D. L. McLemore, Ph. D.
Clemson; J. H. Williamson (Head), Ph. D.

C. B. Sappington (Emeritus), Ph. D.
Illinois;
J. R. Brooker, Ph. D.
Florida;
J. A. Martin (Emeritus), Ph. D.
Wisconsin; J. R. Brooker, Ph. D.
Florida;
AGRICULTURAL AND EXTENSION EDUCATION

Professors:
C. E. Carter, Jr., Ph. D. Ohio State;

Associate Professors:
R. R. Lessly (Head), Ed. D. Oklahoma State.

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 graduation in Agricultural Education 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 agriculture, 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.

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<td>Freshman</td>
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<td>Agriculture 101 ................................................. 3</td>
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<td>Biology 110, 120 .............................................. 6</td>
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<td>Mathematics 119, 121 ........................................... 6</td>
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<td>Computer Science 100 ........................................... 3</td>
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<td>Agricultural Economics 210 ................................... 3</td>
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<td>Physical Education elective ................................ 3</td>
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<td>Nondepartmental agricultural elective .................. 3</td>
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<td>Agricultural Economics or Rural Sociology electives 12</td>
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Total: 132 hours
should consult with the head of the Department of Agricultural Engineering.

AGRICULTURAL ENGINEERING

Professors:
B. L. Bledsoe (Associate Head), Ph.D.
Oklahoma State, P.E.; Z. A. Henry, Ph.D.
North Carolina State, P.E.; D. H. Luttrel, Ph.D.
Iowa State; J. J. McDow, Ph.D.
Michigan State, P.E.; C. R. Mote, Ph.D.
Ohio State, P.E.; J. J. Sewell (Assoc. Dean), Ph.D.
North Carolina State, P.E.; C. H. Shetron,
M.S. Virginia Polytechnic Institute;
F. D. Tompkins, Ph.D. Tennessee, P.E.;
R. D. von Bernuth, Ph.D. Nebraska, P.E.;
L. R. Wilhelm, Ph.D. Tennessee, P.E.

Assistant Professor:
D. O. Baxter, M.S. Missouri; R. S. Freeland,
Ph.D. Tennessee

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

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 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.

Agricultural engineering majors interested in the Cooperative Engineering Scholarship program should consult with the head of the Department of Agricultural Engineering.

AGRICULTURAL ENGINEERING

Professors:
B. L. Bledsoe (Associate Head), Ph.D.
Oklahoma State, P.E.; Z. A. Henry, Ph.D.
North Carolina State, P.E.; D. H. Luttrel, Ph.D.
Iowa State; J. J. McDow, Ph.D.
Michigan State, P.E.; C. R. Mote, Ph.D.
Ohio State, P.E.; J. J. Sewell (Assoc. Dean), Ph.D.
North Carolina State, P.E.; C. H. Shetron,
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North Carolina State, P.E.; D. H. Luttrel, Ph.D.
Iowa State; J. J. McDow, Ph.D.
Michigan State, P.E.; C. R. Mote, Ph.D.
Ohio State, P.E.; J. J. Sewell (Assoc. Dean), Ph.D.
North Carolina State, P.E.; C. H. Shetron,
M.S. Virginia Polytechnic Institute;
F. D. Tompkins, Ph.D. Tennessee, P.E.;
R. D. von Bernuth, Ph.D. Nebraska, P.E.;
L. R. Wilhelm, Ph.D. Tennessee, P.E.

Assistant Professor:
D. O. Baxter, M.S. Missouri; R. S. Freeland,
Ph.D. Tennessee

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ANIMAL SCIENCE

Professors:
J. B. McLaran (Acting Head), Ph. D. Auburn; K. M. Barth, Ph. D. Rutgers; M. C. Bell (Emeritus), Ph. D. Cornell; J. K. Blether (Emeritus), Ph. D. Ohio State; C. C. Chamberlain (Emeritus), Ph. D. Iowa State; B. H. Erickson, Ph. D. Kansas State; O. G. Hall (Dean, College of Agriculture), Ph. D. Iowa State; S. L. Hansard (Emeritus), Ph. D. Florida; E. R. Liddell (Emeritus), M. S. Tennessee; T. P. McDonald, Ph. D. Tennessee; G. M. Merriman (Emeritus), D. V. M. Michigan State; J. K. Miller, Ph. D. Georgia; M. J. Montgomery, Ph. D. Illinois; D. O. Richardson, (Dean, Agr. Exp. Sta.), Ph.D. Ohio State; H. V. Shirley (Emeritus), Ph. D. Illinois; R. R. Shrode, Ph. D. Iowa State; R. L. Tugwell (Emeritus), Ph. D. Kansas State.

Associate Professors:
W. R. Backus, Ph. D. Tennessee; H. Eiler, Ph. D. V. M. Michigan State; J. K. Miller, Ph. D. Georgia; M. J. Montgomery, Ph. D. Illinois; D. O. Richardson, (Dean, Agr. Exp. Sta.), Ph.D. Ohio State; H. V. Shirley (Emeritus), Ph. D. Illinois; R. R. Shrode, Ph. D. Iowa State; R. L. Tugwell (Emeritus), Ph. D. Kansas State.

Assistant Professors:
G. A. Baumbach, Ph. D. Florida; B. R. Bell, Ph. D. North Carolina State; A. B. Chestnut, Ph. D. Ohio; W. C. Cullen, Ph. D. Minnesota; J. D. Godkin, Ph. D. Massachusetts; S. E. Orocz, Ph. D. D. V. M. Ohio State; J. D. Quigley, Ph. D. Virginia Polytechnic Institute; J. D. Smalling, Ph. D. Texas A&M.

Advisors:
Professors Barth, Erickson, McLaren, Montgomery, and Shrode. Associate Professors Backus, Heitmann, Hitchcock, Kattesh, Masincup, Oliver, Robbins and Waller. Assistant Professors B. Bell, Chestnut, Godkin, Quigley and Smalling.

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 husbantry technology (production) areas. Through course selection, students may prepare for general or livestock farming, management, business, or science, or elect the pre-veterinary courses preparatory for specialization. Elective selection permits special training for work with feed companies, meat animal, milk, egg, or poultry production, managerial or marketing groups, other educational agencies, supply and equipment business, agricultural extension services, agricultural communication, public relations, and various organizations associated with agriculture.

A minor in animal science consists of 18 credit hours including 261 (3), 281 (4), and 11 credits from 321 (3), 322 (3), 331 (3), 332 (3), one of the 360 series (2) and one of the 480 series (3). Requests for substitution of similar courses in biology or zoology will be considered on an individual basis. It is suggested that the selection from the 360 series and one of the 480 series deal with the same class of livestock.

Electives allow students to select an area for specialization. Those interested in production could 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 281, 281, 321, 322, 331, 332 and 341.

COMBINED PROGRAM PREVET-B. S. DEGREE

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.
2. The last 30 hours of the three-year pre-veterinary curriculum must have been taken at UTK.
3. At least 12 hours of upper division (300 and 400 level courses) technical agriculture courses must be taken at UTK.
4. 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 281, 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.

i. Non-Animal Science Agriculture - 6 hours
5. Satisfactory completion of the first two semesters in the CVM professional program.
6. No later than December 31 of the student's first year in the CVM (s)he should contact the Animal Science Department in order to check on graduation procedures for this program.
7. A total of 132 hours must be completed by the end of the first year in the CVM.

B. S. DEGREE

COMBINED PROGRAM PREVET-B. S. DEGREE

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.
2. The last 30 hours of the three-year pre-veterinary curriculum must have been taken at UTK.
3. At least 12 hours of upper division (300 and 400 level courses) technical agriculture courses must be taken at UTK.
4. 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 281, 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.

i. Non-Animal Science Agriculture - 6 hours
5. Satisfactory completion of the first two semesters in the CVM professional program.
6. No later than December 31 of the student's first year in the CVM (s)he should contact the Animal Science Department in order to check on graduation procedures for this program.
7. A total of 132 hours must be completed by the end of the first year in the CVM.

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.
2. The last 30 hours of the three-year pre-veterinary curriculum must have been taken at UTK.
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   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.

i. Non-Animal Science Agriculture - 6 hours
5. Satisfactory completion of the first two semesters in the CVM professional program.
6. No later than December 31 of the student's first year in the CVM (s)he should contact the Animal Science Department in order to check on graduation procedures for this program.
7. 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; 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:

- P. M. Davidson, Ph. D. Washington State
- B. J. Demott, Ph. D. Michigan State
- F. A. Draughon, Ph. D. Georgia
- 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 detail 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, 429-429, 410 or 411, 440, and one elective course in Food Technology and Science.

### Requirements for a Major in Animal Science

Junior year, the student could complete the requirements for a major in Animal Science during the Senior year.

### FOOD TECHNOLOGY AND SCIENCE

#### Freshman

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours Credit</th>
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<tbody>
<tr>
<td>Agriculture 101</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 120, 130</td>
<td>8</td>
</tr>
<tr>
<td>English 101, 102</td>
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</tr>
<tr>
<td>Food Technology and Science 140</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 119, 121</td>
<td>6</td>
</tr>
<tr>
<td>Social Sciences and Humanities Electives</td>
<td>6</td>
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</table>

#### Sophomore

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours Credit</th>
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<tbody>
<tr>
<td>Elective</td>
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<tr>
<td>Biology 120</td>
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<tr>
<td>Chemistry 110</td>
<td>4</td>
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<td>Economics 201</td>
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<tr>
<td>Microbiology 210</td>
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<tr>
<td>Physics 121</td>
<td>3</td>
</tr>
<tr>
<td>Speech 210</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science Elective</td>
<td>3</td>
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<tr>
<td>Social Sciences and Humanities Elective</td>
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#### Junior

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours Credit</th>
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</thead>
<tbody>
<tr>
<td>Agricultural Engineering Technology 422</td>
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<tr>
<td>Food Technology and Science 411, 412</td>
<td>6</td>
</tr>
<tr>
<td>Food Technology and Science 420, 429</td>
<td>6</td>
</tr>
<tr>
<td>Nutrition and Food Sciences 200, 201</td>
<td>7</td>
</tr>
<tr>
<td>Plant and Soil Science 471</td>
<td>3</td>
</tr>
<tr>
<td>Statistics 365</td>
<td>3</td>
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</table>

#### Senior

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Technology and Science 431</td>
<td>2</td>
</tr>
<tr>
<td>Food Technology and Science 430, 440</td>
<td>6</td>
</tr>
<tr>
<td>Nutrition and Food Sciences 330</td>
<td>6</td>
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<tr>
<td>Food Technology and Sciences Electives</td>
<td>9</td>
</tr>
<tr>
<td>General Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

Total: 132 hours

*Mathematics 130 and 141 or 151 accepted for students with advanced mathematics background.

*Social Sciences and Humanities courses within the departments: a. Art, Music, Theatre, Classics; 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.

**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. D. Dimmich, Ph. D. Wyoming
- W. E. Hammit, 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. North Carolina State
- J. R. 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:

- B. L. Dearden, Ph. D. Colorado State
- R. L. Hay, Ph. D. Duke
- J. C. Rennie, Ph. D. North Carolina State
- K. F. Schell, Ph. D. Duke
- S. E. Schlarbaum, Ph. D. Colorado State
- G. R. Wells, D. F. Duke

### 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.

### FOREST RESOURCE MANAGEMENT CONCENTRATION

The Forest Resource Management Concentration provides an opportunity to obtain 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 forest economics, business administration, social science; Forest Inventory including mathematics, statistics, 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>Course</th>
<th>Hours Credit</th>
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<tbody>
<tr>
<td>English 101, 102</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 130, 151</td>
<td>7</td>
</tr>
<tr>
<td>Botany 110, 120</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry 100</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 110 or Physics 121 or Geology 101</td>
<td>3</td>
</tr>
<tr>
<td>Agriculture 101</td>
<td>3</td>
</tr>
</tbody>
</table>
### WOOD UTILIZATION CONCENTRATION

The Wood Utilization Concentration trains students for careers in forest products industries such as lumber, furniture, pulp and paper, or wood composites. Coursework is oriented toward the application of wood technology and engineering principles to wood processing. A sound background in basic sciences is required.

Demand for forest products is forecasted to increase. This increased demand should continue to provide excellent opportunities for forest products graduates.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>WFS 211, 300</td>
<td>Multidiscipline/Multiculture Elective</td>
<td>4</td>
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<tr>
<td>Statistics</td>
<td>201</td>
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</tr>
<tr>
<td>Computer Science 101</td>
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<tr>
<td>Speech 210 or 340</td>
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<tr>
<td>WFS 211</td>
<td>Multidiscipline/Multiculture Elective</td>
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<tr>
<td>Forestry 331, 332</td>
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<tr>
<td>Social Sciences Elective</td>
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<tr>
<td>Humanities Elective</td>
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<td>Communications Elective</td>
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<td>Multidiscipline/Multiculture Elective</td>
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<td>Restricted Electives</td>
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<tr>
<td>General Electives</td>
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</tbody>
</table>

Total: 135 hours

### WILDLIFE AND FISHERIES SCIENCE

Wildlife and fisheries management is the science and art of maintaining populations of wild animals at levels consistent with the best interests 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.

The minor in Wildlife and Fisheries Science consists of 16 hours as follows: WFS 211 or 250, WFS 300, WFS 341, 441, 443, and 444 or 445. Prerequisites will not be waived.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>Freshman</td>
<td>English 101, 102</td>
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<tr>
<td>Mathematics 141, 142, 143, 144</td>
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<td>Botany 110, 120</td>
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<td>WFS 211</td>
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<tr>
<td>Forestry 331, 332</td>
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<tr>
<td>Junior</td>
<td>WFS 312, 313, 315, 316</td>
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<td>Forestry 431, 432</td>
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<td>Statistics 252</td>
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<td>Computer Science 101</td>
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<td>IE 300, 302, 303</td>
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<td>Speech 210 or 240</td>
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<td>Senior</td>
<td>Forestry 433, 434</td>
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<td>IE 402, 403, 405</td>
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<td>WFS 311</td>
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<tr>
<td>Humanities and Social Science Elective</td>
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</tr>
<tr>
<td>General Elective</td>
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</tbody>
</table>

Total: 132 hours

### 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. Penn State
- P. M. Gresshoff, 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), Ph. D., University of Maryland
- B. Williams, Ph. D. Penn State
- W. T. Witts, 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 with knowledge and skills needed for successful careers. The areas are landscape design, landscape construction, nursery management, foriculture and turfgrass management.

Landscape design is the shaping and enhancement 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...