The University of Tennessee

The Graduate School

2000-2001 Graduate Catalog
### Table of Contents

Inside Front Cover—Catalog/Responsibility/Contacts

University Calendar for 2000-01 4
The University Administration 5
The Graduate Council 6
The Graduate School Administration 6

The Graduate School
Introduction 9
Graduate Majors and Degree Programs 10

Admission Requirements
Application Procedures 14
Admission Classifications 14
Degree Admission 14
Non-degree Admission 14
Graduate Certificate of Credit Admission 15
Transient Admission 15
Post-doctoral Admission 15
Admission of International Students 15
English Certification 15
Admission of Faculty and Staff Members 15
Readmission 15
Revision of Admission Classification 15

Registration and Enrollment Requirements
Graduate Credit 16
Undergraduate and Professional Students 16
UT Seniors 16
UT Veterinary Medicine Students 16
UT Law Students 16
Law Courses 16
Graduate Certificate of Credit Programs 16
Senior or Disabled Citizens 16
Auditors and Audited Courses 17
Correspondence Study 17
Proficiency Examinations 17
English Proficiency 17
Prerequisites 17
Advisor/Major Professor 17
Departmental Liaison 17
Registration 17
Conditional Registration 18
Registration for Use of Facilities 18
Course Description 18
Course Loads 18
Grade-Point Average and Grades 18
Academic Standards 19
Academic Probation 19
Dismissal 19
Academic Honesty 19
Plagiarism 19
Appeals Procedure 19

Degree Program Requirements
Definition of Graduate Terms 20
Minors 20
Transfer Credits 20
Master's Degree 20
Ed.S. Degree 20
Doctoral Degree 20
Theses and Dissertations 20
Master's Degrees 21
Course Requirements 21
Second Master's Degrees 21
Master's Committee 21
Admission To Candidacy 21
Thesis Registration 21
Thesis 21
Final Examination For Thesis And Problems In Lieu Of Thesis 21
Final Examination For non-thesis Students 21
Time Limit 21
Specialist In Education Degree 21
Course Requirements 22
Ed.S. Committee 22
Residence Requirements 22
Admission To Candidacy 22
Research Requirements 22
Final Examination 22
Time Limit 22
Doctoral Degrees 22
Program Of Study 22
Doctoral Committee 22
Doctoral Examinations 22
Language Requirements 23
Residence Requirements 23
Admission To Candidacy 23
Continuous Registration 23
Dissertation 23
Time Limit 23
Summary of Procedures for Master's Degrees and Specialist in Education Degree 24
Summary of Procedures for Doctoral Degrees 25

Fees and Financial Assistance
Residency Classification for Tuition Purposes 26
Rules of Residency Classification 26
University Fees 26
Application Fee 27
VolXpresses 27
University Programs and Services Fee 27
Technology Fee 27
Music Fee 27
Miscellaneous Fees 28
Graduation Fee 28
Proficiency Fees 28
Fees for Courses Not Taken for Credit 28
Deferred Payment Plan Service Fee 28
Priority Registration 28
Final Registration Late Fee 28
Reinstatement Fee 28
Returned Check Service Fee Policy 28
Returned Check Policy 28
Tuition Payment Plans 28
Refunds 28
Summer Term Fees and Expenses 29
Waiver of Fees 29
Student Health Insurance 29
Identification Card 29
Fees For Sponsored International Students 29
Financial Assistance 29
Assistantships 29
Fellowships 29
Academic Common Market 30
Employment 30
Loans 30
Veterans Benefits 30

Special Federal and State Laws and University Policies
Family Educational Rights and Privacy Act 30
Use of Social Security Number 30
EEO/Title IX/Section 504 Statement 30
Security Information 30
Drug-Free Campus and Workplace 31
Alcohol Abuse Health Risks 31
Drug Use Health Risks 31
Policy for the Administration of Graduate Assistantships 31
Preamble 31
Definition 31
Types of Assistantships 31
Work Assignments and Related Factors 32
Qualifications of Graduate Assistants 32
Competency in English 32
Rights/Responsibilities of Graduate Assistants 32
Evaluation/Supervision of Graduate Assistants 33
Orientation/Training of Graduate Assistants 33
Teaching Assistants and Graduate Teaching Associates 33
Orientation/Training of Graduate Assistants and Graduate Research Assistants 33
Accepting/Declining An Assistantship 33

Student Services
Black Cultural Center 33
Career Services 34
Center for International Education 34
Child Care 34
Dining Services 34
Unlimited Access Plus Plan 34
The Any Ten Plus Plan 34
Unlimited Access Plan 34
The Any Ten Plan 34
The Varsity Inn Dinner Plan 34
Disability Services 35
Graduate Student Association 35
Hearing and Speech Services 35
Housing 35
University Apartments 35
Residence Halls 35
Off-campus Housing 35
Minority Student Affairs 35
Religious Resources 35
Student Counseling Services Center 35
Student Health Service 35
Vehicle Operation and Parking 36
Women's Center 36
Colleges
College of Agricultural Sciences and Natural Resources 39
College of Architecture and Design 39
College of Arts and Sciences 40
College of Business Administration 40
College of Communications 41
College of Education 41
College of Engineering 42
College of Human Ecology 42
College of Law 42
College of Nursing 45
College of Social Work 43
College of Veterinary Medicine 43

Fields of Instruction
Accounting and Business Law 47
Advertising 48
Agricultural and Biosystems Engineering 49
Agricultural and Extension Education 51
Agricultural Economics and Rural Sociology 51
Agriculture and Natural Resources 53
Animal Science 53
Anthropology 54
Architecture 57
Art 58
Audiology and Speech Pathology 61
Aviation Systems 83
Biochemistry and Cellular and Molecular Biology 64
Botany 66
Broadcasting 67
Business Administration 67
Chemical Engineering 72
Chemistry 74
Child and Family Studies 75
Civil and Environmental Engineering 77
Classics 79
Communications 80
Comparative and Experimental Medicine 82
Computer Science 83
Consumer and Industry Services Management 84
Counseling, Deafness and Human Services 87
Ecology and Evolutionary Biology 89
Economics 91
Education 93
Educational Administration and Cultural Studies 95
Educational Psychology 98
Electrical and Computer Engineering 98
English 102
Entomology and Plant Pathology 105
Exercise Science and Sport Management 106
Finance 108
Food Science and Technology 109
Forestry, Wildlife and Fisheries 110
Geography 112
Geological Sciences 113
Health and Safety Sciences 115
History 118
Human Ecology 119
Human Resource Development 120
Industrial and Organizational Psychology 122
Industrial Engineering 122
Information Sciences 125
Instructional Technology, Curriculum and Evaluation 128
Interdisciplinary Programs 129
Journalism 130
Law 131
Life Sciences 135
Management 138
Management Science 136
Marketing, Logistics and Transportation 138
Materials Science and Engineering 138
Mathematics 140
Mechanical and Aerospace Engineering and Engineering Science 144
Microbiology 149
Modern Foreign Languages and Literatures 150
Music 154
Nuclear Engineering 156
Nursing 158
Nutrition 161
Ornamental Horticulture and Landscape Design 162
Philosophy 163
Physics and Astronomy 164
Planning 167
Plant and Soil Sciences 168
Political Science 170
Psychology 172
Religious Studies 174
Social Work 175
Sociology 178
Special Programs 180
Speech Communication 180
Statistics 180
Theatre 183
Theory and Practice in Teacher Education 184
Veterinary Medicine 187

Facilities for Research and Service
Bureau of Evaluation Research, and Service 193
Center for Business and Economic Research 193
Center for Executive Education 193
Center for Information Studies 193
Center for Literacy Studies 194
Center for Physical Activity and Health 194
Center for Transportation Research 194
Center of Excellence for Materials Processing 194
Centers and Chairs of Excellence 194
Child Development Laboratories 195
Communications Research Center 195
Division of Information Infrastructure 195
DII Help Desk 195
DII Customer Service Center 195
Walk-in Consulting 195
Enhanced Remote Access (ERA) and Support 196
Communications Software Distribution 196
Dorm Ethernet Card Installation 196
Technology Training 196
Computer-Based Training 196
Statistical and Computational Consulting Center 196
DII Website and Documentation Center 196
Innovative Technologies Collaborative 196
Energy, Environment, and Resources Center 197
Institute of Agriculture 197
Agricultural Experiment Station 197
Agricultural Extension Service 197
Libraries, The University of Tennessee 197
Maintenance and Reliability Center 198
Measurement and Control Engineering Center 198
Nutrition Institute 198
Off-Campus Graduate Centers 198
Kingsport Graduate Program 198
Oak Ridge Graduate Program 198
Chattanooga Education Program 199
College of Social Work 199
Psychological Clinic 199
Research Consortiums 199
Textiles and Nonwovens Development Center 199
Tourism Institute 199
University of Tennessee Space Institute 200
University Outreach and Continuing Education 200
Department of Conferences 200
English Language Institute 200
UT Professional and Personal Development 200
Department of Distance Education and Independent Study 201
University Evening School 201
Summer School and Special Programs 202
Water Resources Research Center 202

Index
Map of Campus
# University Calendar for 2000-01

## Summer Term 2000

<table>
<thead>
<tr>
<th>Date</th>
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<tr>
<td>June 1</td>
<td>Classes Begin</td>
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<td>July 4</td>
<td>Independence Day</td>
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<td>July 5</td>
<td>First Session Ends</td>
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<td>Second Session Begins</td>
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<td>August 9</td>
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**NOTE:** Deadlines for degree requirements are at end of section on Degree Program Requirements.
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- Dr. Jan Williams, College of Business Administration

### College or Unit  
Elected Members  
Expiration  
Proxy

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<td>July 31, 2001</td>
<td>Mr. Max Robinson</td>
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<td>Architecture &amp; Planning</td>
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<td>Dr. Arun Chatterjee</td>
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<td>Dr. Belle Upadhyaya</td>
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<td>Mr. Lyle Culver</td>
<td>April 30, 2000</td>
<td>Dr. Dileep Sachan</td>
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<td>Human Ecology</td>
<td>Dr. Jacky DeJonge</td>
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GRADUATE
STUDY
Rules, policies, fees, and courses described in this catalog are subject to change without notice. Refer to inside front cover.
The Graduate School

The University of Tennessee is the official land-grant institution for the State of Tennessee, with its main campus in Knoxville. UT is the state's largest and most comprehensive institution, and is the only state-supported "Research University I" (Carnegie classification) in Tennessee. The University of Tennessee is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, GA 30033-4097; Telephone number 404-679-4501) to award the bachelor's, master's and doctoral degrees.

A wide range of graduate programs leading to master's and doctoral degrees is available. The University offers master's programs in 76 fields, the Educational Specialist degree, doctoral work in 44 fields, and 2 professional programs. More than 6,400 graduate and professional students are enrolled on and off campus under the tutelage of 1,500 faculty members.

The Graduate School brings together faculty and graduate students as a community of scholars with a common interest in creative work and advanced study. Programs are available to individuals desiring work toward the master's and doctoral degrees or professional certification, those interested in continuing education for updating and broadening their knowledge, and those pursuing postdoctoral research. Serving the needs of students engaged full-time in intensive study and pursuit of a degree continues to be a major emphasis of UT's graduate effort. Increasingly the University employs a variety of modes, traditional and non-traditional, in offering quality programs designed to serve a diverse student clientele.

The Graduate School includes the Graduate Council, the Graduate School administrative organization, composed of the Graduate Office and the Office of Graduate Admissions and Records; administrators of the various graduate programs; the graduate faculty; and the graduate student body.

The Graduate Council is composed of elected faculty representatives from each college, the Space Institute, and the Graduate Student Association. Ex-officio members include the Dean and the Associate and Assistant Deans of The Graduate School, the Chair of the Research Council, the Dean of Libraries, the Dean of Continuing Education, and the administrative officer having primary responsibility for the graduate curriculum in each college or school.

The Graduate Council is responsible for standards of admission, retention and graduation, and for curricular matters in graduate programs; the development of interdisciplinary programs; approval of new graduate programs; approval of individuals to direct doctoral dissertation research; financial support of graduate students; and all other matters of educational policy pertaining to graduate programs. Standing committees include academic policy, appeals, credentials, curriculum, and the Graduate Deans Group.

The Graduate School administration develops procedures to implement policies formulated by the Council, and has primary responsibility for Graduate School admissions and records. Much of the day-to-day administration of graduate study is conducted by department heads or faculty advisors and committees responsible for particular programs. In addition to departmental units, numerous interdisciplinary programs, institutes and centers have been developed on campus and in locations throughout the state.

The graduate student body is composed of those persons admitted to graduate study by The Graduate School, upon recommendation of the academic unit, and currently enrolled in The Graduate School.

Graduate education has been conducted at The University of Tennessee since 1821. The first known master's degree was awarded in 1827. In 1879 the Board of Trustees created a graduate department with authority to confer the Master of Arts, the Doctor of Philosophy, Civil Engineer, and Mining Engineer degrees. The Graduate Department was renamed The Graduate School in 1912. Although a Ph.D. degree was awarded in 1886 and in 1887, formal doctoral programs were not instituted until 1929 for Biological Sciences at Memphis and 1943 for Chemistry on the Knoxville campus. A Committee on Graduate Study was appointed in 1904 and coordinated the graduate programs until the Graduate Council was formed in 1949. More than 8,600 doctoral degrees and 50,600 master's degrees have been awarded to date.

Seven deans have led The Graduate School since 1936: Fred C. Smith, Eugene A. Waters, Dale K. Wantling, Hilton A. Smith, Jack E. Reese, Margaret N. Perry, and C.W. Minkel. They have strived to maintain the rich heritage and the highest quality of graduate programs at UT.
Graduate Majors and Degree Programs

Below is a list of all graduate degree programs offered at The University of Tennessee. A degree is awarded upon completion of a specified program of study in a major field. Degree titles are posted on transcripts and diplomas. Major titles are posted on transcripts. All programs are full-time programs. A formally approved subcomponent of a degree program is a concentration. Select ONE of these majors and degrees. Enter your preference on the Graduate School application (orange form) under Type of Admission. Please contact the program you have selected for additional information.

### College of Agricultural Sciences & Natural Resources

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<th>MAJOR</th>
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<th>DEPT. REQ.</th>
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<th>LANGUAGE REQD.</th>
<th>CONCENTRATIONS AVAILABLE/ EVALUATION DATES/PHONE (AREA CODE: 865)</th>
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<tbody>
<tr>
<td>Agricultural &amp; Extension Education*</td>
<td>MS</td>
<td>X</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>Agricultural education, agricultural extension education. (974-7371, <a href="mailto:flessey@utk.edu">flessey@utk.edu</a>)</td>
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<tr>
<td>Agricultural Economics*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td></td>
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<td></td>
<td>MS-agribusiness, agricultural economics, rural sociology. (974-7231, <a href="mailto:jbrooker@utk.edu">jbrooker@utk.edu</a>)</td>
</tr>
<tr>
<td>Animal Science*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td></td>
<td>MS &amp; PHD-animal breeding, animal management, animal nutrition, animal physiology. PHD only-animal anatomy. (974-7265, <a href="mailto:jgodkin@utk.edu">jgodkin@utk.edu</a>)</td>
</tr>
<tr>
<td>Biosystems Engineering*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>PHD-agri-cultural electrical &amp; electronic systems, agricultural power &amp; machinery, agriculture environments, food &amp; process engineering, soil &amp; water conservation engineering. (974-7266, <a href="mailto:abed@utk.edu">abed@utk.edu</a>)</td>
</tr>
<tr>
<td>Biosystems Engineering Technology*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td></td>
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<td>(974-7266, <a href="mailto:abed@utk.edu">abed@utk.edu</a>)</td>
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<tr>
<td>Entomology &amp; Plant Pathology*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
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<td></td>
<td>Entomology, plant pathology. Evaluate Mar 15 for Fall and Summer, Oct 15 for Spring. (974-7135, <a href="mailto:rgerhard@utk.edu">rgerhard@utk.edu</a>)</td>
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<tr>
<td>Food Science &amp; Technology*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td></td>
<td>PhD-food chemistry, food microbiology, food processing, sensory evaluation of foods. (974-7247, <a href="mailto:dgolden@utk.edu">dgolden@utk.edu</a>)</td>
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<tr>
<td>Forestry*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>(974-7126, <a href="mailto:gopher@utk.edu">gopher@utk.edu</a>)</td>
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<tr>
<td>Ornamental Horticulture &amp; Landscape Design*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>Floriculture, landscape design, public horticulture, turfgrass, woody ornamentals. (974-7324, <a href="mailto:tstarman@utk.edu">tstarman@utk.edu</a>)</td>
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<tr>
<td>Plant &amp; Soils Sciences*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>MS &amp; PHD-crop physiology &amp; ecology, plant breeding &amp; genetics, soil science. (974-6619, <a href="mailto:messington@utk.edu">messington@utk.edu</a>)</td>
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<tr>
<td>Wildlife &amp; Fisheries Science*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td></td>
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<td>(974-7126, <a href="mailto:gopher@utk.edu">gopher@utk.edu</a>)</td>
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</tbody>
</table>

### College of Architecture & Design

| Architecture* | MArch | G | 3 | X | | | First professional degree. Admit Summer and Fall only. Evaluate Feb 1. (974-5285, jcodding@utk.edu) |

### College of Arts and Sciences

<table>
<thead>
<tr>
<th>MAJOR</th>
<th>DEGREE</th>
<th>GRE</th>
<th>RATING</th>
<th>DEPT. REQ.</th>
<th>THESIS REQ.</th>
<th>LANGUAGE REQD.</th>
<th>CONCENTRATIONS AVAILABLE/ EVALUATION DATES/PHONE (AREA CODE: 865)</th>
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<tr>
<td>Anthropology</td>
<td>MA</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td></td>
<td>MA &amp; PHD-archaeology, biological anthropology, cultural anthropology, zooarchaeology. Admit Fall only. Evaluate Jan 15. (974-4408, <a href="mailto:dpatton@utk.edu">dpatton@utk.edu</a>)</td>
</tr>
<tr>
<td>Art*</td>
<td>MFA</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>Ceramics, drawing, graphic design, media arts, painting, printmaking, sculpture, watercolor, inter-area studies. Portfolio required. (974-3408, <a href="mailto:coddine@utk.edu">coddine@utk.edu</a>)</td>
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<tr>
<td>Audiology*</td>
<td>MA</td>
<td>G</td>
<td>3</td>
<td></td>
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<td>Admit Fall only. (974-5019, <a href="mailto:kgross@utk.edu">kgross@utk.edu</a>)</td>
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<tr>
<td>Biochemistry and Cellular Molecular Biology*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td></td>
<td>MS &amp; PHD-anatomy, cell biology, cell genetics, cell biology, evolutionary biology, molecular biology. (974-3141, <a href="mailto:cschwarz@utk.edu">cschwarz@utk.edu</a>)</td>
</tr>
<tr>
<td>Botany*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td></td>
<td>MS &amp; PHD-anatomy, horticulture, plant physiology, plant genetics, plant genomics, plant population biology. (974-2256, <a href="mailto:rgerhard@utk.edu">rgerhard@utk.edu</a>)</td>
</tr>
<tr>
<td>Chemistry*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>MS &amp; PHD-analytical chemistry, environmental chemistry, inorganic chemistry, organic chemistry, physical chemistry, polymer chemistry, physical chemistry. (974-3258, <a href="mailto:coddine@utk.edu">coddine@utk.edu</a>)</td>
</tr>
<tr>
<td>Computer Science*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
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<td>(974-5007, <a href="mailto:straight@cs.utk.edu">straight@cs.utk.edu</a>)</td>
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<tr>
<td>Ecology and Evolutionary Biology*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
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<td></td>
<td>MS &amp; PHD-behavior, ecology, evolutionary biology. (974-3036, <a href="mailto:coddine@utk.edu">coddine@utk.edu</a>)</td>
</tr>
<tr>
<td>English*</td>
<td>MA</td>
<td>G,S</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td></td>
<td>MA-writing. Degree-seeking students only. Admit Fall only. Evaluate Feb 15. (974-6933, <a href="mailto:papke@utk.edu">papke@utk.edu</a>)</td>
</tr>
<tr>
<td>French*</td>
<td>MA</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
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<td>See Modern Foreign Languages for PHD. (974-7602, <a href="mailto:gopher@utk.edu">gopher@utk.edu</a>)</td>
</tr>
<tr>
<td>Geography*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
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<td>Evaluate assistantship applications Feb 15. (974-2418, <a href="mailto:gopher@utk.edu">gopher@utk.edu</a>)</td>
</tr>
<tr>
<td>Geology*</td>
<td>MS</td>
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<td>3</td>
<td>X</td>
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<td>See Modern Foreign Languages for PHD. (974-3421, <a href="mailto:lauckner@utk.edu">lauckner@utk.edu</a>)</td>
</tr>
<tr>
<td>German*</td>
<td>MA</td>
<td>G</td>
<td>3</td>
<td>X</td>
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<td>See Modern Foreign Languages for PHD. (974-3421, <a href="mailto:lauckner@utk.edu">lauckner@utk.edu</a>)</td>
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</table>
| MAJOR | DEGREE | GRE | RATING | DEPT. REQ. | THESIS REQ'D | LANGUAGE REQ'D | CONCENTRATIONS AVAILABLE/ 
| | | | FORM | | | | EVALUATION DATES/PHONE (AREA CODE: 865) |
| | | | | | | | |
| History* | MA PHD G G | 3 | X | X | X | | PHD-american, european. Admit Fall only. Evaluate Feb 15. (974-5421, phamifco@utk.edu) |
| | | | | | | | |
| Life Sciences* | MS PHD G G | 3 | X | X | X | | MS & PHD-genome science and technology, plant physiology & genetics. (974-1531, russelgg@utk.edu) |
| | | | | | | | |
| Mathematics* | MS PHD G G | 3 | X | X | X | | MS-applied mathematics. PHD-mathematical ecology. (974-2404, gradprogram@math.utk.edu) |
| | | | | | | | |
| Microbiology* | MS PHD G G | 3 | X | X | X | | (974-3441, gslacecy@utk.edu) |
| | | | | | | | |
| Modern Foreign Languages* | PHD G G | 3 | X | X | X | | First concentration-French, German, Spanish. Second concentration-applied linguistics, French, German, Italian, Portuguese, Russian, Spanish. (974-3421, lauchner@utk.edu) |
| | | | | | | | |
| Music* | MM | 2 | X | | | | Accompanying, choral conducting, composition, instrumental conducting, jazz, music education, music theory, musicology, performance, piano pedagogy & literature. Audition required. (974-3331, canders@utk.edu) |
| | | | | | | | |
| Philosophy* | MA PHD G G | 3 | X | X | | | MA & PHD-medical ethics, philosophy. MA only-religious studies. Admit Fall only. (974-3255, holit@utk.edu) |
| | | | | | | | |
| Physics* | MS PHD G G | 3 | X | X | X | | MS & PHD-astrophysics, atomic & low temperature physics, biophysics, chemical physics, condensed matter & surface physics, elementary particle physics, molecular spectroscopy, nuclear physics, theoretical physics. MS only-geophysics, health physics. Rating forms required only for consideration for teaching assistantships. (974-3342, cheshin@utk.edu) |
| | | | | | | | |
| Planning* | MSP G G | 2 | X | | | | Environmental planning, land use planning, real estate development planning, transportation planning. Admit Summer and Fall only. (974-5227, dap@utk.edu) |
| | | | | | | | |
| Political Science* | MA PHD G G | 3 | X | X | X | | (974-2261, yzhong@utk.edu) |
| | | | | | | | |
| Psychology* | MA PHD G G | 3 | X | X | X | | (974-3328, cjogle@utk.edu) |
| | | | | | | | |
| Public Administration* | MPA G G | 3 | X | | | | (974-3328, nogle@utk.edu) |
| | | | | | | | |
| Sociology* | MA PHD G G | 3 | X | X | X | | MA-experimental psychology, general psychology. PHD-clinical psychology, experimental psychology. Admit Fall only. Evaluate Feb 15. (974-3338, nogle@utk.edu) |
| | | | | | | | |
| Spanish* | MA | | X | | | | Dual JD-MPA program available. (974-2261, dflo@utk.edu) |
| | | | | | | | |
| Speech & Hearing Science* | PHD G G | 3 | X | X | | | MA & PHD-criminology; energy, environment & resource policy; political economy. Admit Fall only. Evaluate Feb 15. (974-7032, mlperrin@utk.edu) |
| | | | | | | | |
| Speech Pathology* | MA G G | 3 | X | X | | | Audiology, hearing science, speech & language pathology, speech-language science. (974-5019, kgregs@utk.edu) |
| | | | | | | | |
| Theatre* | MFA G G | 3 | X | X | | | Admit Fall only. (974-5019, kgregs@utk.edu) |
| | | | | | | | |
| College of Business Administration | | | | | | | |
| Accounting* | MAcc + GMAT | 2 | X | | | | Financial auditing, systems, taxation. Evaluate Mar 1. (974-2551, rlowenr@utk.edu) |
| | | | | | | | |
| Business Administration* | MBA + GMAT PHD + GMAT | 2 | X | X | | | MBA-economics, environmental management, finance, forest industries management, global business, logistics & transportation, management, marketing management, marketing, new venture analysis & entrepreneurship, statistics. PHD-accounting, finance, logistics & transportation, management, marketing, statistics. Admit Fall only. Evaluate Mar 1. Dual JD-MBA, MS-MBA, Professional MBA programs available. (974-5033, mba@utk.edu) |
| | | | | | | | |
| Economics* | MA PHD G G | 3 | X | X | | | GMAT may be substituted for GRE. Admit Fall only. Evaluate Feb 1. (974-1697, dkemper@utk.edu) |
| | | | | | | | |
| Industrial & Organizational Psychology* | PHD G G | 3 | X | X | | | GMAT may be substituted for GRE. Admit Fall only. Evaluate Feb 1. Use forms obtained from department. Degree-seeking students only. (974-4843, jtrbov@utk.edu) |
| | | | | | | | |
| Management Science* | MS PHD G G | 3 | X | X | | | GMAT may be substituted for GRE. (974-4116, jmoser@utk.edu) |
| | | | | | | | |
| Statistics* | MS G G | 2 | X | | | | Industrial statistics. GMAT may be substituted for GRE. Certificate program in applied statistical strategies also available. (974-2566, mree@utk.edu) |
| | | | | | | | |
| College of Communications | | | | | | | |
| Communications* | MS + G PHD + G | 3 | X | X | X | | MS & PHD-advertising, broadcasting, journalism, public relations, speech communication. PHD only-information sciences. Admit Fall only. (974-6651, colcomgs@utk.edu) |
College of Education

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<td>College Student Personnel</td>
<td>MS</td>
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<td>Evaluate Mar 15, (974-0906, <a href="mailto:mlw@utk.edu">mlw@utk.edu</a>)</td>
<td>Mental health counseling, rehabilitation counseling, school counseling. Evaluate Feb 1 and Nov 1, (974-0906, <a href="mailto:mlw@utk.edu">mlw@utk.edu</a>)</td>
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<tr>
<td>Counseling*</td>
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<td>PhD-counseling psychology; counselor education; cultural studies in education; curriculum, educational research, and evaluation; early childhood education; educational administration and policy studies; educational psychology; exercise science; instructional technology; literacy, language education and ESL education; school psychology; socio-cultural foundations of sport and education; teacher education. Evaluate Jan 1 and Feb 1, (974-0906, <a href="mailto:mlw@utk.edu">mlw@utk.edu</a>)</td>
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<tr>
<td>Education I</td>
<td>PHD</td>
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<td>MS Track 1 (those who are already licensed)-art education; education of the deaf and hard of hearing; elementary education; English education; foreign language/ESL education; instructional technology; mathematics education; modified &amp; comprehensive special education; reading education; science education; social foundations; social science education; special education; early childhood.</td>
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<tr>
<td>Education II</td>
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<td>MS Track 2 (those who are seeking initial licensure)-art education; education of the deaf &amp; hard of hearing; elementary teaching; modified &amp; comprehensive special education; secondary teaching; special education; early childhood.</td>
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<td>Educational Administration &amp; Policy Studies*</td>
<td>MS</td>
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<td>Educational administration &amp; supervision/higher education. Evaluate Jun 1. (974-0906, <a href="mailto:mlw@utk.edu">mlw@utk.edu</a>)</td>
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<td>Educational Psychology*</td>
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<td>Adult education, individual &amp; collaborative learning. (974-0906, <a href="mailto:mlw@utk.edu">mlw@utk.edu</a>)</td>
</tr>
<tr>
<td>Human Performance &amp; Sport Studies*</td>
<td>MS</td>
<td>+</td>
<td>3</td>
<td>X</td>
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<td></td>
<td>Exercise science, sport management, sport studies. (974-0906, <a href="mailto:mlw@utk.edu">mlw@utk.edu</a>)</td>
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College of Engineering

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<td>MS</td>
<td>G</td>
<td>3</td>
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<td>MS &amp; PHD-aeroacoustics, aerodynamics &amp; performance, energy conversion &amp; utilization, flight &amp; aerospace mechanics, gasdynamics, heat transfer &amp; fluid mechanics, propulsion, space engineering, structures &amp; stress analysis, thermodynamics. (974-5115, <a href="mailto:maesinfo@engr.utk.edu">maesinfo@engr.utk.edu</a>)</td>
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<tr>
<td>Chemical Engineering*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
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<td>MS &amp; PHD-advanced control systems, chemical bioengineering, chemical engineering, polymer science &amp; engineering. Evaluate Feb 1 for financial aid. Qualified applicants are encouraged to apply directly to the PhD program. PhD applicants receive financial aid preference. (974-2421, <a href="mailto:cheinfo@utk.edu">cheinfo@utk.edu</a>)</td>
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<tr>
<td>Civil Engineering*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
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<td>MS &amp; PHD-construction engineering, environmental engineering, geotechnical/materials engineering, public works engineering, structural engineering, transportation engineering. (974-2503, <a href="mailto:cee@utk.edu">cee@utk.edu</a>)</td>
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<tr>
<td>Electrical Engineering*</td>
<td>MS</td>
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<td>3</td>
<td>X</td>
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<td></td>
<td>PHD-circuit theory, communication theory, computers, control systems, electro-optics, electromagnetic theory, plasma engineering, power electronics, power systems, solid-state electronics. (974-3461, <a href="mailto:kareyn@utk.edu">kareyn@utk.edu</a>)</td>
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<tr>
<td>Engineering Science</td>
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<td>3</td>
<td>X</td>
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<td>MS &amp; PHD-biomedical engineering, computational mechanics, fluid mechanics, mechanics of composite materials, optical engineering (UTSI only), solid mechanics. MS only-applied artificial intelligence. PhD only-industrial engineering. (974-5115, <a href="mailto:maesinfo@engr.utk.edu">maesinfo@engr.utk.edu</a>)</td>
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<tr>
<td>Environmental Engineering*</td>
<td>MS</td>
<td>3</td>
<td>X</td>
<td></td>
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<td>Air quality, environmental risk assessment, mixed waste management, waste management, water quality, water resources. See Civil Engineering for PHD. (974-2503, <a href="mailto:cee@utk.edu">cee@utk.edu</a>)</td>
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<tr>
<td>Industrial Engineering*</td>
<td>MS</td>
<td>3</td>
<td>X</td>
<td></td>
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<td>Industrial engineering, engineering management, manufacturing systems engineering. Dual MS-MBA program available. See Engineering Science for PHD. (974-3333, <a href="mailto:ie@engr.utk.edu">ie@engr.utk.edu</a>)</td>
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<tr>
<td>Mechanical Engineering*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
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<td>MS &amp; PHD-dynamics, control &amp; robotics; energy conversion &amp; utilization; gasdynamics; heat transfer &amp; fluid mechanics; machine design; power generation; propulsion; space engineering; stress analysis; thermodynamics. (974-5115, <a href="mailto:maesinfo@engr.utk.edu">maesinfo@engr.utk.edu</a>)</td>
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</tr>
<tr>
<td>Metallurgical Engineering*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>MS &amp; PHD-corrosion behavior, failure analysis, materials processing, mechanical &amp; physical behavior of materials, physical metallurgy, welding metallurgy &amp; materials joining. (974-5336, <a href="mailto:spruieil@utk.edu">spruieil@utk.edu</a>)</td>
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<tr>
<td>Nuclear Engineering*</td>
<td>MS</td>
<td>3</td>
<td>X</td>
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<td>MS &amp; PHD-radiological engineering. (974-2525, <a href="mailto:ute@utk.edu">ute@utk.edu</a>)</td>
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<tr>
<td>Polymer Engineering*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>MS &amp; PHD-composite materials; mechanical, physical &amp; chemical behavior of polymers; polymer morphology; rheology &amp; polymer processing. (974-5336, <a href="mailto:spruieil@utk.edu">spruieil@utk.edu</a>)</td>
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### College of Human Ecology

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<tr>
<td>Child &amp; Family Studies*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>Child and family studies, early childhood education. Evaluate Feb 1, Jun 1, Nov 1. (974-5316, <a href="mailto:cfs@utkux.utcc.utk.edu">cfs@utkux.utcc.utk.edu</a>)</td>
</tr>
<tr>
<td>Health Promotion &amp; Health Education</td>
<td>MS</td>
<td></td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>Evaluate Feb 1, April 1 and Sept 1. (974-5041, <a href="mailto:hastings@utk.edu">hastings@utk.edu</a>)</td>
</tr>
<tr>
<td>Human Ecology*</td>
<td>PHD</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td></td>
<td>Teacher licensure (does not require test scores or rating forms, but does require admission to teacher education), training and development (MAT also accepted). Evaluate Feb 1, Jun 1, and Nov 1. (974-2574, <a href="mailto:hr@utk.edu">hr@utk.edu</a>)</td>
</tr>
<tr>
<td>Human Resource Development</td>
<td>MS</td>
<td>G</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td>Nutrition science, public health nutrition. Evaluate Feb 1, May 1 and Oct 1. Dual MS-MPH program available. (974-5445, <a href="mailto:cyles1@utk.edu">cyles1@utk.edu</a>)</td>
</tr>
<tr>
<td>Nutrition*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>Community health education, gerontology, health planning/administration. Admit Summer and Fall only. Fall deadline - Apr 1, Summer deadline - Feb 1. Dual MS-MPH program available. (974-9574, <a href="mailto:cbhamilton@utk.edu">cbhamilton@utk.edu</a>)</td>
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<tr>
<td>Public Health*</td>
<td>MPH</td>
<td></td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>Hospitality management, recreation administration, therapeutic recreation, tourism. (974-2141, <a href="mailto:nbfair@utk.edu">nbfair@utk.edu</a>)</td>
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<tr>
<td>Recreation, Tourism, &amp; Hospitality Management</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
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<tr>
<td>Safety Education &amp; Service</td>
<td>MS</td>
<td></td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>Retail and consumer sciences, textile science. Evaluate Feb 1, Jun 1, Nov 1. (974-2141, <a href="mailto:nbfair@utk.edu">nbfair@utk.edu</a>)</td>
</tr>
<tr>
<td>Textiles, Retailing &amp; Consumer Sciences*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
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### College of Law

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<tr>
<td>Law*</td>
<td>JD</td>
<td>LSAT</td>
<td>2</td>
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<td>Advocacy &amp; dispute resolution, business transactions. Contact College of Law for Bulletin. Dual JD-MBA and JD-MPA programs available. (974-4131)</td>
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### College of Nursing

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<tr>
<td>Nursing*</td>
<td>MSN</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>MSN-adult health nursing, family nurse practitioner, mental health nursing, nursing administration, nursing of women and children. Evaluate Oct 1 and Feb 1. (MSN-974-7606, <a href="mailto:stuservices@cn.gw.utk.edu">stuservices@cn.gw.utk.edu</a>) (PHD-974-7581, <a href="mailto:shtomas@utk.edu">shtomas@utk.edu</a>)</td>
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<tr>
<td>Nursing*</td>
<td>PHD</td>
<td>G</td>
<td>3</td>
<td>X</td>
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<td>MASN-clinical social work practice, social welfare management &amp; community practice. Programs offered in Knoxville, Memphis and Nashville. Evaluate Mar 1. Post-master's certificate in management and community practice also available. (MSSW-974-6697, <a href="mailto:snaash@utk.edu">snaash@utk.edu</a>) (PHD-974-6697, <a href="mailto:ckillion@utk.edu">ckillion@utk.edu</a>)</td>
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### College of Social Work

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<tr>
<td>Social Work*</td>
<td>MSSW</td>
<td>G</td>
<td>3</td>
<td>X</td>
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<td></td>
<td>MASN-clinical social work practice, social welfare management &amp; community practice. Programs offered in Knoxville, Memphis and Nashville. Evaluate Mar 1. Post-master's certificate in management and community practice also available. (MSSW-974-6697, <a href="mailto:snaash@utk.edu">snaash@utk.edu</a>) (PHD-974-6697, <a href="mailto:ckillion@utk.edu">ckillion@utk.edu</a>)</td>
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<tr>
<td>Social Work*</td>
<td>PHD</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>MASN-clinical social work practice, social welfare management &amp; community practice. Programs offered in Knoxville, Memphis and Nashville. Evaluate Mar 1. Post-master's certificate in management and community practice also available. (MSSW-974-6697, <a href="mailto:snaash@utk.edu">snaash@utk.edu</a>) (PHD-974-6697, <a href="mailto:ckillion@utk.edu">ckillion@utk.edu</a>)</td>
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### College of Veterinary Medicine

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<tr>
<td>Veterinary Medicine*</td>
<td>DVM</td>
<td></td>
<td>VCAT</td>
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<td>Contact College of Veterinary Medicine for application. (974-7263, <a href="mailto:jbrace@utk.edu">jbrace@utk.edu</a>)</td>
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### School of Information Sciences

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<tr>
<td>Information Sciences*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td></td>
<td></td>
<td>Distance education available. Evaluate July 1, Dec 1 and Apr 1. See College of Communications for PHD. (974-2148, <a href="mailto:hoemann@utk.edu">hoemann@utk.edu</a>)</td>
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### Intercollegiate

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<tr>
<td>Aviation Systems*</td>
<td>MS</td>
<td></td>
<td>2</td>
<td></td>
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<td>Only offered at UT Space Institute, Tullahoma, Tennessee.</td>
</tr>
<tr>
<td>Comparative &amp; Experimental Medicine*</td>
<td>MS</td>
<td>G</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td></td>
<td>Evaluate Apr 15 - Summer, Jul 1 - Fall, Nov 15 - Spring. Will accept early applications. (974-5574, <a href="mailto:potgieter@utk.edu">potgieter@utk.edu</a>)</td>
</tr>
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a Contact academic program for specific requirements.  
b Foreign or computer language.  
c International applicants only.  
d American applicants only.  
e Non-degree students must obtain permission from the department/program head to register for courses in these fields.  
f Available for the Academic Common Market to residents of reciprocal states. See Fields of Instruction.  
g GRE General Test.  
h GRE Subject Test.
Admission Requirements

Admission to The Graduate School requires a Bachelor's degree with a satisfactory grade-point average from a college or university accredited by the appropriate regional accrediting agency or foreign equivalent. Admission to The Graduate School does not constitute acceptance into a specific degree program or admission to candidacy for the degree desired.

The Graduate School requires a minimum grade-point average of 2.7 out of a possible 4.0, or a 3.0 during the senior year of undergraduate study. Applicants with previous graduate work must have a grade-point average of 3.0 on a 4-point scale or equivalent on all graduate work. Many programs require a higher average. Applicants with work experience or who are entering graduate school after a number of years away from an educational institution, usually 5 years, will be given consideration with greater flexibility relative to GPA. An international student graduating from a U.S. institution must meet the same requirements as those for domestic students.

An applicant whose GPA falls between 2.5 and 2.7 may be admitted on probation, upon recommendation of the academic unit. The probationary status will be removed after completion of nine or more hours of graduate credit with a minimum GPA of 3.0. Failure to maintain a 3.0 while in this status will result in dismissal from The Graduate School. An international student may not be admitted on probation.

The stated criteria are minimums. The actual averages required for admission may be higher, depending on the number and the qualifications of applicants.

When a student is admitted to The Graduate School prior to having received the baccalaureate degree, that degree must be awarded before the date of first registration in The Graduate School.

The Office of Graduate Admissions and Records must be notified of any change in the entering date after admission has been granted. Individual departments and colleges may have further restrictions on admission dates. For this information, students should contact the department they wish to enter. If a student does not enroll within one year after the requested admission, the application process must be repeated.

Enrollment in The Graduate School is a privilege which may be withdrawn by the University, or any area of graduate study, if it is deemed necessary by the Dean of The Graduate School to safeguard the University's standards.

Application Procedures

Anyone with a Bachelor's degree from a regionally accredited institution of foreign equivalent who wishes to take courses for graduate credit, whether or not the person desires to become a candidate for a degree, must make formal application for admission to The Graduate School or apply for transient status. No action is taken until a file is complete. The applicant will be notified by mail of the action taken.

To apply for admission, the following materials must be sent to The Graduate School:

1. The completed Graduate Application for Admission (inside front cover of the Graduate Catalog or at http://web.utk.edu/~gsinfo/).
2. A $35 non-refundable application fee.
3. One official transcript from all colleges and universities attended.
4. Additional departmental/program requirements (refer to Majors and Degree Programs chart in front of Graduate Catalog).

a. Reference letters or rating forms. All program forms should be sent to the college or department.

b. Scores from the Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT).

5. Scores from Test of English as a Foreign Language (TOEFL) if native language is not English (refer to section on English Certification).

Application forms for the above tests can be obtained by writing:

Educational Testing Service
Princeton, NJ 08540

UT is an approved testing center for all examinations. Examination results reach the University in approximately six weeks.

All of the above documents become the property of the University and will not be returned.

For international graduate student application procedures, see also Admission of International Students.

Admission Classifications

To earn graduate credit, a student must be admitted by the Dean of The Graduate School and enrolled in one of the categories listed below. See Registration and Enrollment Requirements for provisions concerning graduate credit and for special privileges for UT seniors and professional students. International students should also refer to the section on Admission of International Students.

DEGREE ADMISSION

Admission to a degree program requires that a person meet the minimum requirements of The Graduate School and any additional program requirements (see Admission Requirements). Refer to the appropriate field of instruction for specific requirements for admission to the degree program.

In addition to meeting the minimum requirements for admission to The Graduate School, applicants at the doctoral level must have demonstrated a potential for superior academic performance. To be considered are such criteria as performance in prior undergraduate and/or graduate studies, achievement on graduate admission tests, letters of recommendation from professors familiar with the applicant's capabilities, and other evidence of scholarly achievement.

A student must maintain a 3.0 grade-point average to continue enrollment in a degree program (see Academic Standards). An applicant may not be admitted simultaneously to more than one degree program. Two or more applications cannot be considered concurrently. For admission to dual programs, applications are processed consecutively.

NON-DEGREE ADMISSION

Applicants may apply for non-degree status who, for example:
1. Need additional time to fulfill application requirements for a degree program.
2. Do not wish to pursue a degree program.

Admission to the non-degree status requires that a person meet the minimum requirements of The Graduate School (see Admission Requirements). A major area must be declared if the intent is to seek an advanced degree. If no degree is desired, a major area need not be declared, but some departments do not permit non-degree students to register for graduate courses (see Majors and Degree Programs chart for information on restricted programs).

There is no specific limit on the number of courses that a student may take in non-degree status. However, before accumulating 15 hours of graduate coursework in this status, the student must either:
1. Apply and be admitted to a specific degree program (see Revision of Admission Status).
2. Submit a Plan of Study form to the Associate Dean of The Graduate School for approval to continue taking courses in non-degree status. The plan of study must include a stated educational objective and a list of courses proposed to achieve that objective.

A maximum of 15 graduate hours taken before acceptance into a degree program may be applied toward a graduate degree, if approved by the student's committee.

Courses applied toward any graduate degree must fall within the time limits specified for the degree.

Every graduate student must meet with an academic advisor at least once each semester to discuss his/her program. For non-degree students with a declared major, the advisor must be from the appropriate academic unit. If no advisor has been assigned, the department head or designee is the advisor. For a non-degree student who has no declared major, the Associate Dean of The Graduate School, or designee, is the advisor.

A student must maintain a 3.0 grade-point average to continue enrollment in non-degree status (see Academic Standards). Admission to non-degree status does not constitute admission to a degree program. The student who seeks to enter a degree program will be directed to the appropriate department.

An international student on a non-immigrant visa may not enroll in the non-degree status.
GRADUATE CERTIFICATE OF CREDIT

Admission to a graduate certificate of credit program requires that a person meet the minimum requirements of The Graduate School and any additional program requirements (see Admission Requirements). Refer to the appropriate field of instruction for specific requirements for admission to the certificate program.

Admission to a graduate certificate of credit program does not constitute admission to a degree program. To receive a graduate certificate of credit, students must be classified as degree-seeking students or as certificate-seeking students, but may not be classified as non-degree.

TRANIENT ADMISSION

A student who is enrolled in good standing in a graduate degree program at another institution and who wishes to take courses for transfer to that institution may be admitted after submitting a completed Graduate Application for Admission, the $35 application fee, and a Transient Student Certification 10 days prior to registration. Only one semester, or a maximum of 12 hours, of coursework can be taken in transient status. Necessary forms may be obtained from the Office of Graduate Admissions and Records.

POST-DOCTORAL ADMISSION

Persons who hold an earned doctoral degree and desire to take graduate courses may be admitted in the post-doctoral status. A completed Graduate Application for Admission, the application fee, and confirmation of the doctorate are required for admission.

Admission in the post-doctoral status does not constitute admission to a degree program. The student who seeks to enter a degree program must meet all admission requirements of The Graduate School and be recommended by the program.

Admission of International Students

The Graduate School accepts only students who have superior records. An international student must have an equivalent 4-year Bachelor’s degree with at least a B average on all previous coursework and a B+ on all previous graduate work. On various grading scales, this corresponds to:

a. 14 on a 20-point scale.
b. 80.0 from Taiwanese institutions.
c. 1st Class or Division from Indian institutions.
d. Upper 2nd Class Honors on various British systems.

If graduating from a U.S. institution, the minimum is the same as that for domestic students (see Admission Requirements). Other grading systems are evaluated, upon receipt of transcripts, in accordance with standard recommendations. Many departments require a higher average than the minimum established by The Graduate School.

English Certification

Any person whose native language is not English must submit results of the Test of English as a Foreign Language (TOEFL). A minimum score of 213 on the computer-based test or 550 on the paper test is required for admission consideration. Some departments require higher scores. The score must be no more than two years old from the requested date of entry. Applicants who have received a degree from an accredited U.S. institution within the past two years are exempt from the TOEFL requirement.

All students whose native language is not English must take an English proficiency examination after arrival at UT. Refer to section on English Proficiency.

Revision of Admission Classification

A student who wishes to change a major program of study must complete a Request for Change of Graduate Program form, which can be obtained from the Office of Graduate Admissions and Records. The form requires the signature of the head of the department in which admission was previously granted. No signature is needed if a student requests to change from non-degree status to a
Registration and Enrollment Requirements

Graduate Credit

To earn graduate credit, a student must be admitted by the Dean of The Graduate School and enrolled in an appropriate status as a graduate student. The registration must reflect the desire for graduate credit, and the course must have been approved by the Graduate Council. Coursework taken in any other status is unacceptable for graduate credit and cannot be retroactively changed to graduate credit. Special privileges are accorded UT seniors and professional students, as stated in the section on Undergraduates and Professional Students.

Courses numbered at the 500 level, as well as those 400-level courses approved for graduate credit, must be taught by faculty members who (1) meet the criteria of an assistant professor or above as defined in the Faculty Handbook and (2) have been designated by the department head as being appropriate. Graduate teaching associates and graduate assistants are ineligible to teach courses approved for graduate credit.

Consistent with the accreditation requirements of the Southern Association of Colleges and Schools (SACS) that graduate curricula must be substantially different from undergraduate curricula, classes at the 400-level in which both graduate and undergraduate students are enrolled must be structured so as to reflect this distinction. That is, course requirements for graduate credit will be more rigorous and thus will exceed expectations for undergraduates.

Graduate and undergraduate completion of the same course will not be considered equivalent, and therefore petitions for retroactive changing of undergraduate to graduate credit will not be accepted.

Students entering the Graduate School are required to have at least a B average (3.0) in undergraduate courses and 3.0 in graduate courses. The result of each request for program change are communicated to the student by mail.

Undergraduate and Professional Students

UT SENIORS

Subject to approval by The Graduate School, a senior at UT who needs fewer than 30 semester hours to complete requirements for a Bachelor's degree and has at least a B average (3.0) may enroll in graduate courses for graduate credit, provided the combined total of undergraduate and graduate coursework does not exceed 15 credit hours per semester. Students who have met all requirements for graduation are not eligible for senior privilege. Approval must be obtained each semester at the Office of Graduate Admissions and Records during registration. A maximum of 9 hours of graduate credit at the 400 and 500 level can be obtained in this status. Some departments do not permit seniors to register for graduate courses without prior permission (see Majors and Degree Programs chart for information on restricted programs).

Courses taken for graduate credit may not be used toward both the baccalaureate and a graduate degree.

UT VETERINARY MEDICINE STUDENTS

A student in good standing in the College of Veterinary Medicine may enroll in UT graduate courses without being admitted to The Graduate School under the following conditions:

1. The student's advisor must approve in advance the student's enrollment in each course.
2. The student may take a maximum of 10 semester hours of graduate courses during the D.V.M. program.
3. Approval must be obtained each semester at registration through the Office of Graduate Admissions and Records. The student's progress is subject to review and approval each semester by the Associate Dean, College of Veterinary Medicine.

Courses taken for graduate credit may not be used toward both the D.V.M. degree and a graduate degree.

UT LAW STUDENTS

Subject to approval by The Graduate School and the College of Law, a law student at UT may enroll in graduate courses for graduate credit. Approval must be obtained each semester at the Office of Graduate Admissions and Records during registration.

Courses taken for graduate credit may not be used toward both the J.D. degree and a graduate degree. Use of such courses toward the J.D. degree are subject to guidelines approved by the law faculty.

Law Courses

A graduate student may take up to 6 semester hours of law courses and apply them toward a graduate degree, upon approval of the College of Law and the student's major professor. The graduate student must register for law courses during the registration period at the College of Law and request an S/NC grade. If the student earns a 2.0 or better, an S will be recorded on the transcript. Below 2.0, an NC will be recorded, and the course cannot be used toward meeting degree requirements.

Grades for law courses will not be reflected in the cumulative grade-point average, as law courses do not carry graduate credit.

Different rules apply to students enrolled in the Dual J.D.-MBA and J.D.-MPA programs. Grades must be earned according to the grading system of the respective colleges, e.g., numerical grades for law courses, letter grades for graduate courses. Refer to sections on Business Administration, Political Science, and Law under Fields of Instruction for grades acceptable to meet degree requirements. A student enrolled in the Ph.D. in Business Administration program may use 8 semester hours or more of law courses for the supporting area via the arrangement described under Business Administration.

Graduate Certificate of Credit Programs

A graduate certificate of credit program is a series of academically coherent graduate credit courses offered by the university as a planned program that does not lead to a degree. A candidate for a graduate certificate of credit program must be a fully admitted graduate student who has satisfactorily completed (minimum 3.0 grade-point average) the minimum requirements for a certificate described in the Graduate Catalog under Fields of Instruction. A candidate must be a graduate student in good standing and comply with all other applicable policies of The Graduate School. Graduate certificate programs require a minimum of 12 semester credit hours taken at the UT. Use of credits to fulfill requirements for a graduate degree will be at the discretion of the academic department.

To receive the certificate, students must submit an application endorsed by the academic department to The Graduate School for approval. Only those certificate programs that are officially approved by the Graduate Council will be posted on student transcripts. Graduate students in non-degree classification are not eligible to receive a graduate certificate.

Senior or Disabled Citizens

Legislation gives Tennessee citizens who are 65 years of age or older, 30-year state retirees, or those who are totally disabled, the opportunity to attend credit and non-credit courses at the University at no charge on an audit, space available basis. Legal verification of any of these conditions is required for enrollment. Students who are 65 or over, or who are totally disabled, and who desire to receive UT credit for their courses, may pay a reduced charge of $7 per credit hour up to a maximum of $75 for a full-time
Auditors and Audited Courses

Persons who wish to attend certain classes regularly, without taking examinations or receiving grades or credit, may do so by completing a graduate application as a non-degree student, paying the application fee, registering as an auditor, and paying regular fees. Graduate students paying regular fees also are entitled to audit courses.

The names of all auditors properly registered will appear on the intermediate class rolls, but will be removed from the final grade report. No record of audited coursework will appear on the permanent record. Persons may not attend class without being properly admitted to the University and registered in the class.

Courses in Non-Standard Format

The University offers a wide variety of short courses, workshops and other courses in non-standard format for graduate credit. Minimum criteria acceptable for such credit are as follows:

1. The number of contact hours should never be fewer than the equivalent of one hour per week during the term for each hour of credit awarded, i.e., 15 hours per semester hour.
2. For every contact hour, there should be at least two hours of student preparation.
3. For each hour of graduate credit under the semester system, there should be a minimum elapsed time of one week.

The workload in a short course of several weeks' duration need not be distributed evenly. However, substantive and meaningful interaction between the faculty member and student should be maintained throughout.

Graduate credit should not be awarded for courses considered inappropriate as part of a graduate degree program.

The Curriculum Committee of the Graduate Council monitors the policy. Each new course or change in a current course must be approved in both content and format.

Correspondence Study

No graduate credit is accepted at UT for work done by correspondence study at any university.

Proficiency Examinations

A proficiency examination may be given in academic courses offered for graduate credit. Applications for proficiency examinations are available in the Office of the Registrar, 209 Student Services Building. To be eligible, a student must be admitted to The Graduate School. The request for examination must be approved by the head of the department offering the course. A student applying for this privilege must present evidence to the department head that he/she has the knowledge and abilities expected of graduate students who have taken the same course. Upon passing the examination with a minimum grade of B, the student will receive graduate credit. A maximum of one-fourth of the total credit hours in a master's degree program may be earned by this method.

The Exam

A proficiency examination given by the University prior to initial registration. Students whose performance on the examination indicates a need for additional English study must enroll immediately for English 121 English Grammar Review for Non-Native Speakers (or another course assigned by the Department) for undergraduate credit and pass with a grade of C or better. A student may not take more than 6 additional hours of course work while enrolled in English 121. Students whose scores indicate that they are not prepared to enter English 121 will be referred to a program of intensive English study prior to enrolling in an academic program.

Applicants whose native language is not English must pass an oral test in English (the SPEAK Test) before they can be assigned to classroom duties in connection with their assistantships. The SPEAK Test is administered on campus by The Graduate School. Scores from the Test of Spoken English (TSE) may be accepted in place of the SPEAK Test.

Prerequisites

Graduate work in any program must be preceded by sufficient undergraduate work in the major and related areas to satisfy the department that the student can do graduate work successfully in the chosen field. Individual undergraduate records are examined and evaluated by the appropriate department before admission to a degree program is granted. Questions about program prerequisites should be addressed to the advisor.

Advisor/Major Professor

Every graduate student must have an advisor from the major department. This professor advises the student about courses, supervises the student's research, and facilitates communication within the major department, to other departments and to The Graduate School. The advisor must approve the student's program each semester. Many departments assign a temporary advisor to direct the entering student's work during the period in which the student is becoming acquainted with the institution and determining the focus of research interests, and in which the department is forming a judgment concerning the student's promise as a scholar. As early as appropriate, the student requests a professor in the major department to serve as the advisor. This major professor and the student together select a graduate committee. The student is expected to maintain close consultation with the major professor and other members of the graduate committee with regard to progress in the program. Other responsibilities of the advisor/major professor are explained under individual programs.

Departmental Liaison

To assist graduate students in other majors, one faculty member in each academic department has been designated as a liaison. The liaison is identified in the list of faculty under each department. The liaison acts as a departmental contact to assist non-departmental students with course selection and other academic matters.

Registration

Registration is required of all graduate students when using University facilities and/or faculty time. The minimum number of hours for registration is three. Registration allows use of services such as library checkout, laboratories, and recreation facilities not open to the public.

Information concerning registration is available in the Graduate School News and Timetable of Classes each term. Registration is accomplished via telephone. During priority registration, a schedule and bill is mailed to the registrant. Payment is due by the deadline noted on the bill. A graduated late fee is assessed to any student who fails to register during priority registration.

Additional information can be obtained from the Computer Assisted Registration Services Office, (865) 974-2223.

Failure to pay tuition and fees before the deadline, as noted each semester on the schedule bill, will result in cancellation of the schedule. Retroactive registration is not allowed.

Non-degree students in unrestricted programs (see Majors and Degree Programs Chart) may obtain permission to register from the Office of Graduate Admissions and Records. Non-degree students with no
Conditional Registration

Applicants who appear to meet the admission requirements of The Graduate School may be allowed to register for an initial term after submitting the Graduate Application for Admission form and application fee. Time is allowed to obtain transcripts and additional requirements for admission. Students who fail to gain admission within seven weeks after registration will NOT be permitted to register again until all admission requirements are met.

International students may not register conditionally.

Registration for Use of Facilities

Students using University facilities, services or faculty time, including summer term, must be registered. Normally, students are registered for coursework or thesis/dissertation credit. Non-thesis students or those who have not begun research, but who have completed all coursework requirements, must register for course 502.

Course Description

Each course listed in the Graduate Catalog contains information in abbreviated form. The course number indicates the level at which the course is taught. All 500- and 600-level courses are graduate courses. The 400-level courses are upper division courses available for graduate credit only if listed in the Graduate Catalog. To receive graduate credit for these, a student must so request at registration.

The official course title appears following the course number. Numbers in parentheses following the course title indicate the semester hours credit. If the credit is variable, to be determined in consultation with the instructor, the minimum and maximum are shown (e.g. 2-3). The credit hours are followed by a course description indicating the content to be covered.

Prerequisite courses must be taken prior to the course in question. Corequisite courses may be taken prior to or concurrently with the specific course. Both prerequisites and corequisites are checked during registration. Recommended prerequisites should be taken previously but are not mandatory. Required background is the knowledge base needed before taking the course.

Some courses may be repeated for a maximum number of hours allowable toward a degree program. This number is stated for each repeatable course with the exception of Thesis 500, Dissertation 600, and Registration for Use of Facilities 502. Courses may be cross-listed with two or more departments, an arrangement indicated by a parenthetical statement: (Same as Psychology 543). The course description is given only under the primary department. "S/NC only" indicates that the course may be taken only for Satisfactory/No Credit grading. Refer to section on Grades.

A symbol indicating the semester or frequency that the course is normally offered is included at the end of many course descriptions:
- F-Fall
- S-Spring
- S-Summer
- E-Every semester
- A-Alternate years

These codes are indicated only for Knoxville campus classes and are subject to change without notice. The Timetable of Classes, published prior to registration for each semester, is the official notification of courses offered for a given semester. Students should contact the appropriate department/program head concerning courses to be offered in future semesters.

Change of Registration

The permanent record will show all courses for which the student has registered except those audited and those from which the student has withdrawn during the first 29 calendar days after the beginning of classes.

Students who fail to attend the first class meeting without prior arrangement with the department MAY BE DROPPED from the course to make space available to other students. Students have the responsibility to assure that they have been dropped. Otherwise they may receive a grade of F in the course.

Course registration may be changed from credit to audit or audit to credit only during the first 29 calendar days after the beginning of classes.

The deadline for all other changes of registration (e.g. from graduate to undergraduate, undergraduate to graduate withdrawal) is approximately 42 calendar days after the first day of classes each semester. (See Graduate School News or Timetable of Classes each term for exact date.)

A student may change registration for a course at any time prior to and including this date by accessing the telephone registration system. The student must affirm that the advisor has granted approval of the change. If additional permission is necessary, a student must execute a change of registration in person, at the Registration Services Office. The instructor's signature is required to add a course, if the course is closed and/or after the first 29 calendar days of classes. The student must sign the form certifying approval of the advisor.

To change registration in any way after the deadline, a student must present the request, together with documentary evidence of extenuating circumstances, to the Office of Graduate Admissions and Records. In addition, the student must complete a change of registration form and questionnaire signed by the instructor(s) and advisor as evidence of their knowledge of the request. If the request is approved, the Office of Graduate Admissions and Records will authorize the change on the student's permanent record.

Course Loads

The maximum load for a graduate student is 15 hours, and 9 to 12 hours are considered a full load. For the summer term, graduate students may register for a maximum of 12 semester hours in an entire summer term or for a maximum of 6 semester hours in a 5-week summer session. Students may enroll in only one course during a mini-term session.

Students holding a one-half time assistantship normally should enroll for 6-9 semester hours. A one-fourth time graduate assistant normally should take 9-13 semester hours. A student on a one-half time assistantship who takes six semester hours will be considered full time. Refer to the Policy for the Administration of Graduate Assistantships for additional information.

Students receiving financial aid should consult with the department/program head concerning appropriate course loads. Courses audited do not count toward minimum graduate hours required for financial assistance.

Registration for more than 15 hours during any semester, or for more than 12 hours in the summer term, is not permissible without prior approval of The Graduate School, which may allow registration of up to 18 hours during the summer if the student has achieved a cumulative grade-point average of 3.6 or better in at least nine hours of graduate work with no outstanding incompletes. No more than 12 hours are permissible in the summer term without prior approval.

Grade-Point Average and Grades

A cumulative grade-point average of 3.0 is required on all graduate coursework taken at UT to remain in good standing and to receive any graduate degree or certificate from the University. All coursework taken for graduate credit is computed into the GPA.

Grades in The Graduate School have the following meanings:

A (4 quality points per semester hour), superior performance.
B+ (3.5 quality points per semester hour), better than satisfactory performance.
B (3 quality points per semester hour), satisfactory performance.
C+ (2.5 quality points per semester hour), less than satisfactory performance.
Academic Honesty

Academic integrity is a responsibility of all members of the academic community. An honor statement is included on the application for admission and readmission. The applicant's signature acknowledges that adherence is confirmed. The honor statement declares that:

An essential feature of The University of Tennessee 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.

Plagiarism

Students shall not plagiarize. Plagiarism is using the intellectual property or product of someone else without giving proper credit. The undocumented use of someone else's words or ideas in any medium of communication (unless such information is recognized as common knowledge) is a serious offense, subject to disciplinary action that may include failure in a course and/or dismissal from the University. Some examples of plagiarism are:

- Using without proper documentation (quotation marks and a citation) written or spoken words, phrases, or sentences from any source.
- Summarizing without proper documentation (usually a citation) ideas from another source (unless such information is recognized as common knowledge).
- Borrowing facts, statistics, graphs, pictorial representations, or phrases without acknowledging the source (unless such information is recognized as common knowledge).
- Submitting work, either in whole or in part, created by a professional service and used without attribution (e.g., paper, speech, bibliography, or photograph).

Extreme caution should be exercised by students involved in collaborative research to avoid questions of plagiarism. If in doubt, students should check with the major professor and the Dean of The Graduate School about the project. Plagiarism will be investigated when suspected and prosecuted if established.

Appeals Procedure

The Graduate Council Appeal Procedure can be obtained at the Office of Graduate Admissions and Records. Normally, grievances should be handled at the departmental level through the student's academic advisor or the department or program head. Further appeal may be made to the dean of the respective college, the Dean of The Graduate School, the Graduate Council, and ultimately to the Chancellor.

The Graduate Council hears appeals concerning the interpretation of and adherence to university, college and department policies and procedures as they apply to graduate education. The Council does not review grievances concerning...
degrees, which are reviewed at the department or college level. Grades are appealed first to the faculty member and then, if necessary, to the department head and dean of the college.

Appeal procedures in regard to allegations of misconduct or academic dishonesty are presented in Hilltops under "Student Rights and Responsibilities." Students with grievances related to race, sex, color, religion, national origin, age, disability or veteran status in English at both the master's and doctoral levels, and in Environmental Policy (Economics) at the master's level only. See Fields of Instruction for specific requirements and approval provisions.

The minor area must be approved by the major and minor academic units, and a member from the minor unit must serve on the graduate committee.

### Transfer Credits

Courses taken at another institution may be considered for transfer into a master's or Ed.S. program as determined by the committee and approved by The Graduate School. At the doctoral level, courses are not officially transferred although they may be used to meet degree requirements. Where a requirement has been met through coursework in another program, the student may petition the academic unit for a waiver of the requirement at the doctoral level. Official transcripts must be sent directly to the Office of Graduate Admissions and Records from all institutions previously attended before any credit will be considered.

1. To be transferred into a master's or Ed.S. program at UT, a course must:
   1. be taken for graduate credit.
   2. carry a grade of B or better.
   3. be a part of a graduate program in which the student had a B average.
   4. not have been used for a previous degree.
   5. be approved by the student's graduate committee and The Graduate School on the Admission to Candidacy form.

Courses transferred to any graduate program will not affect the minimum residence requirements for the program, nor will they be counted in determining the student's grade-point average. Credits transferred from universities outside The University of Tennessee system cannot be used to meet the thesis or dissertation requirements or 600-level coursework requirements. Credit for extension courses taken from other institutions is not transferable, nor is credit for any course taken at an unaccredited and/or foreign institution.

### Definition of Graduate Terms

**Major:** The principal educational interest of a student as represented by one of the curricula prescribed by the various units at UT. The major specifies the minimum requirements for a degree.

**Minor:** An area of interest secondary to the major that is represented by a specified set of hours and/or courses. Diffs from "concentration" in that a minor is not a subdivision of the major.

**Concentration:** A collection of courses within a major that focuses on a particular subject area. The term "concentration" describes the nature of the set of courses.

**Option:** The means of designating thesis/non-thesis requirements.

**Cognate:** A limited block of courses or hours required outside the unit in which the major is offered.

**Specialization:** A sub-collection of courses within a concentration that focuses on specific subject matter. The term "specialization" describes the nature of the set of courses.

**Track:** A separate route leading to the same degree but with different requirements.

**Tool:** A limited block of courses or hours required to enhance research or methodological expertise.

### Minors

For the master's degree at UT, a minor is defined as 6-12 semester hours in one field outside the major. Usually the minor courses are within a single teaching discipline that also offers a major.

Three interdisciplinary minors are available: in Statistics (Business Administration) and in Gerontology (Human Ecology) at both the master's and doctoral levels, and in Environmental Policy (Economics) at the master's level only. See Fields of Instruction for specific requirements and approval provisions.

The minor area must be approved by the major and minor academic units, and a member from the minor unit must serve on the graduate committee.

### Degree Program Requirements

A complete list of programs is found under the Majors and Degree Programs chart. For specific degree requirements, consult individual program descriptions listed by college and field of instruction in this Catalog. See also the Summary of Procedures charts, and refer to the Graduate School News each semester for specific deadlines. Department policies and procedures, which are specific to degree programs and exceed those in the Graduate Catalog, are provided in the Graduate Student Handbook available in each academic department.

The following are the Graduate School's minimum requirements for degree programs. Refer to the Fields of Instruction for additional program requirements.

### Theses and Dissertations

All theses and dissertations are submitted to The Graduate School Thesis/Dissertation Consultant for examination. The Consultant will review the material and assure that it is attractively presented, free of technical errors in format, suitable for binding, and reflects credit upon the University and The Graduate School. If the thesis or dissertation is not accepted, the student must make corrections and resubmit the material.

The student, major professor, and committee share responsibility for the accuracy and professionalism of the final product of the student's research. The student should confer with the Thesis/Dissertation Consultant regarding problems and questions in advance of preparing the final copy. The UT Knoxville Guide to the Preparation of Theses and Dissertations (8th ed.) provides the correct format for theses or dissertations. Workshops are held periodically throughout the academic year. The date for each workshop is announced in the Graduate School News.

The thesis/dissertation normally should be written in English. Under exceptional circumstances, another language may be used if prior approval is obtained from The Graduate School. A request to write in a language other than English should be submitted to The Dean of The Graduate School by the student's thesis committee, with endorsement by the Department Head and Dean of the College, prior to Admission to Candidacy for the degree sought. The request should include a proposal and justification for the exception. In all cases, one thesis/dissertation abstract must be written in English.

A basic principle in graduate education is that theses and dissertations produced by graduate students will be published and made available to other researchers in the field. When a graduate student is involved in classified or proprietary research, and such
Master's Degrees

The master's degree is evidence of successful completion of a body of coursework, advanced understanding, and the ability to apply knowledge within a major field. As part of a master's degree, and in addition to a final comprehensive examination, a culminating (capstone) experience is expected. Examples of culminating experiences include an advanced seminar, exhibit, independent project, integrated case study or simulation, internship, practicum, recital or thesis. Through this experience, the student will demonstrate skills associated with the particular degree program, such as applied performance, critical analysis, organization and writing.

Master's degree programs are available with thesis and non-thesis options. These programs require 30 or more graduate hours of coursework. In addition to the M.A. and M.S. degrees, other degrees are offered, including the MBA and the M.S.S.W.

COURSE REQUIREMENTS

A candidate for a master's degree must complete a minimum of 30 hours of graduate credit in courses approved by the student's master's committee. In thesis programs, 6 semester hours of credit in the major (9-12 in some approved programs) must be earned in course 500 while the student is preparing the thesis. Hours applied to the master's degree may be entirely from one major subject or may be distributed to include one or two minor areas. In a 30-hour program, the major subject must include at least 12 hours of graduate coursework, exclusive of course 500, and a minor must include not fewer than 6, nor more than 12, hours of graduate credit.

At least two-thirds of the minimum required hours in a master's degree program must be taken in courses numbered at or above the 500 level. Only 6 thesis hours may be counted toward this requirement.

For coursework taken at other institutions, refer to section on Transfer Credits.

SECOND MASTER'S DEGREES

For a second master's degree, the student must have fulfilled all major requirements applicable to the first master's degree, including the thesis, if appropriate. Coursework applied to one master's degree program may not be applied toward a second.

MASTER'S COMMITTEE

A committee composed of the major professor and at least two other faculty members, all at the rank of assistant professor or above, should be formed as early as possible in a student's program, and must be formed by the time a student applies for admission to candidacy (refer to Advisor/Major Professor). The responsibility of this committee is to assist the student in planning a program of study and carrying out research, and to assure fulfillment of the degree requirements. If the student has a minor, one member of the committee must be from the minor department.

ADMISSION TO CANDIDACY

Admission to candidacy reflects agreement among the student, graduate committee, and The Graduate School that the student has demonstrated ability to do acceptable graduate work and that satisfactory progress has been made toward a degree. This action usually connotes that all prerequisites to admission have been completed and a program of study has been approved.

The application for the master's degree is made as soon as possible after the student has completed all prerequisites courses and nine hours of graduate coursework with a 3.0 average or higher in all graduate work. The Admission to Candidacy form must be signed by the student's committee and list all courses to be used for the degree, including transfer coursework. The student must submit this form to the Office of Graduate Admissions and Records no later than commencement day of the semester preceding the semester in which he/she plans to graduate.

THESIS REGISTRATION

A student must be registered for course 500 each semester during work on the thesis, including a minimum of 3 hours the semester in which the thesis is accepted by The Graduate School. Six hours of 500 are required for the thesis option. After receiving the master's degree, a student is no longer permitted to register for Thesis 500.

THESIS

The thesis represents the culmination of original research or project completed by the student. It must be prepared according to the UT Knoxville Guide to the Preparation of Theses and Dissertations (8th ed.). Two copies of the thesis must be approved and accepted by The Graduate School on or before the deadline specified each semester in the Graduate School News. Each copy must include an approval sheet, signed by the members of the master's committee, certifying that they have examined the final copy of the thesis and have judged it to be satisfactory.

FINAL EXAMINATION FOR THESIS AND PROBLEMS IN LIEU OF THESIS

A candidate presenting a thesis or problems in lieu of a thesis must pass a final comprehensive oral (or oral and written) examination on all work offered for the degree. The examination, which is concerned with coursework and the thesis or problems, measures the candidate's ability to integrate material in the major and related fields, including the work presented in the thesis or problems. The final draft of the thesis must be distributed to all committee members at least two weeks prior to the date of the final examination. Except with prior approval from The Graduate School, the examination must be given in University-approved facilities. This examination must be scheduled through the Office of Graduate Admissions and Records at least one week prior to the examination. Final examinations not properly scheduled must be repeated. This examination must held at least two weeks before the final date for acceptance and approval of thesis by The Graduate School. The major professor must submit the results of the defense by the thesis deadline. In case of failure, the candidate may not apply for reexamination until the following semester. The result of the second examination is final.

FINAL EXAMINATION FOR NON-THESIS STUDENTS

Each non-thesis student must pass a final comprehensive written examination. A department may require an additional oral examination. The examination is not merely a test over coursework, but a measure of the student's ability to integrate material in the major and related fields. Except with prior approval from The Graduate School, the examination must be given in University-approved facilities. It must be scheduled through the Office of Graduate Admissions and Records in accordance with the deadlines specified in the Graduate School News and will be conducted by the master's committee. Final examinations not properly scheduled must be repeated. Students taking the final examination but not otherwise using University facilities may pay a fee equal to one hour of graduate credit instead of registering. In case of failure, the candidate may not apply for reexamination until the following semester. The result of the second examination is final.

TIME LIMIT

Candidates have six calendar years to complete the degree, starting at the beginning of the semester of the first course counted toward the degree. Students who change degree programs during this six-year period may be granted an extension after review and approval by The Graduate School. In any event, courses used toward a master's degree must have been taken within six calendar years of graduation.

Specialist in Education Degree

The Specialist in Education (Ed.S.) degree is offered with a major in Education. Admission to the Ed.S. program requires acceptance by The Graduate School, and review and acceptance by the department or area in which the student is majoring. It is recommended that students who apply for the Ed.S. have at least one year of related work experience. Additional information on admission requirements can be obtained from academic units offering the degree.
COURSE REQUIREMENTS

The student's program involves a minimum of four semesters of study totaling not fewer than 60 semester hours of graduate credit beyond the baccalaureate degree. A minimum of 6 hours is required outside the major academic unit or area.

A student admitted to the program with a master's degree, or with acceptable work beyond the master's degree, may have program requirements modified upon recommendation of the student's committee. However, no modifications will be permitted in examination and research requirements, nor in the minimum 6 graduate hours required outside the major. All prior coursework accepted toward the degree must be related to the student's program objectives. A maximum of 6 hours beyond the master's degree may be transferred from another institution to an Ed.S. program (refer to section on Transfer Credits).

Courses numbered at the 400 level required for certification through UT may not be taken for graduate credit and used as coursework in the major. At least one-half of the last 30 semester hours of work, exclusive of thesis courses, must be in 500- or 600-level courses.

ED.S COMMITTEE

A committee of at least three faculty members is assigned to each student. A minimum of two members of this committee must represent the unit or major area. Its responsibilities include formulating the student's program of coursework, supervising progress, recommending admission to candidacy, directing research, and coordinating the qualifying and final examinations.

RESIDENCE REQUIREMENTS

Residence is defined as full-time registration for a given semester on the campus where the program is located. The summer term is included in this period. During residence, it is expected that the student will be engaged in full-time on campus study toward a graduate degree.

For the Ed.S. degree, one semester of residence is required if the student has a master's degree; two consecutive semesters of residence if the student lacks a master's degree.

ADMISSION TO CANDIDACY

Admission to candidacy reflects agreement among the student, graduate committee, and The Graduate School that the student has demonstrated ability to do acceptable graduate work and that satisfactory progress has been made toward a degree. This action usually connotes that all prerequisites to admission have been completed and a program of study has been approved.

The Admission to Candidacy form must be signed by the student's committee and list all courses to be used for the degree, including transfer coursework. This form is submitted to the Office of Graduate Admissions and Records before the student has completed 15 hours of coursework in the Ed.S. program. A qualifying examination may be required for admission to candidacy if the student has a master's degree earned six years or more prior to admission to the program. This examination may be written and/or oral.

RESEARCH REQUIREMENTS

See the program descriptions of individual departments for list of thesis, problems in lieu of thesis, and non-thesis options. Some departments offer only a thesis program.

1. In the non-thesis program, a candidate will study research methods and findings and will demonstrate skill in adapting to professional needs as defined by the major department.

2. In the thesis program, or problems in lieu of thesis, 6 hours of research credit (518 or 503) must be earned in preparation of an acceptable piece of work. The student must continue to register for thesis or problems while working on the project, including the semester it is accepted by The Graduate School. The thesis must be prepared according to instructions in the UT Knoxville Guide to the Preparation of Theses and Dissertations. Copies of the thesis must be submitted to The Graduate School for final approval and acceptance.

FINAL EXAMINATION

A candidate presenting a thesis, or problems in lieu of thesis, must pass an oral examination covering the student's research and program of study. A non-thesis student must pass a final written, or written and oral examination, on all work offered for the degree. The examination is not merely a test over coursework, but a demonstration of the candidate's ability to integrate materials in the major and related fields. Each examination must be scheduled through the Office of Graduate Admissions and Records before the deadline and will be conducted in University-approved facilities by the student's committee. Final examinations not properly scheduled must be repeated. In case of failure, the candidate may not be reexamined until the following semester. The result of the second examination is final.

TIME LIMIT

Candidates have six calendar years from the time of entry into the last 30 hours of their degree programs to complete the Ed.S. degree.

Doctoral Degrees

Two doctoral degrees are available: Doctor of Philosophy (Ph.D.) and Doctor of Education (Ed.D.). For a list of programs, see Majors and Degree Programs chart. For specific degree requirements, consult individual program descriptions listed by college and field of instruction in this Catalog. See also Summary of Procedures for Doctoral Degrees chart.

The doctoral degree is evidence of exceptional scholarly attainment and demonstrated capacity in original investigation. Requirements for the degree, therefore, include courses, examinations, and a period of resident study, as well as arrangements which guarantee sustained, systematic study and superior competency in a particular field.

PROGRAM OF STUDY

The student's program of study is subject to Graduate Council policies and individual program requirements. The program of study as listed by the student on the Admission to Candidacy form must be approved by the doctoral committee. Doctoral programs include a major field or area of concentration, and, frequently, one or more cognate fields. Cognate fields are defined as a minimum of 6 semester hours of graduate coursework in a given area outside the student's major field.

A candidate for a doctoral degree must complete a minimum of 24 hours of graduate coursework beyond the master's degree, which is a prerequisite for entry into most doctoral programs. If the doctoral program does not require a master's degree, the candidate must complete a minimum of 48 hours of graduate coursework beyond the baccalaureate degree. A minimum of 12 of the 24, or 30 of the 48, hours must be graded A-F. A minimum of 6 semester hours of the student's coursework must be taken in UT courses at the 600 level, exclusive of dissertation.

In addition, 24 hours of course 600 Doctoral Research and Dissertation are required (see Continuous Registration). For coursework taken prior to admission to the doctoral program, refer to section on Transfer Credits.

DOCTORAL COMMITTEE

The major professor directs the student's dissertation research and chairs the dissertation committee. The student and the major professor identify a doctoral committee composed of at least four faculty members holding the rank of Assistant Professor or above, three of whom, including the chair, must be approved by the Graduate Council to direct doctoral research. At least one member must be from an academic unit other than that of the student's major field. This committee is nominated by the department head or college dean and approved by The Graduate School.

The committee should be formed during the student's first year of doctoral study. Subject to Graduate Council policies and individual program requirements, the committee must approve all coursework applied toward the degree, certify the student's mastery of the major field and any cognate fields, assist the student in conducting research, and recommend the dissertation for approval and acceptance by The Graduate School.

DOCTORAL EXAMINATIONS

Departments may, at their option, administer diagnostic and/or qualifying examinations in the early stages of the student's doctoral program. Successful completion of a comprehensive examination and a defense of dissertation is required for all doctoral degrees. Registration is required the term in which examinations are taken.
Diagnostic Examination
A student on admission to a doctoral program may be given a written and/or oral diagnostic examination to help determine the student’s level of preparation, areas of strengths and weaknesses, and general background. The diagnostic examination is designed to aid in the selection of courses and to determine the student’s preparation to continue doctoral studies at UT.

Qualifying Examination
A written and/or oral qualifying examination may be given near the end of the student’s first year in the doctoral program. Qualifying examinations are designed to test the student’s progress, general knowledge of fundamentals of the field, and fitness to continue with the more specialized aspects of the doctoral program.

Comprehensive Examination
The comprehensive examination (or the final part of this examination, when parts are given at different times) is normally taken when the doctoral student has completed all or nearly all prescribed courses. Thus, its successful completion indicates that, in the judgement of the faculty, the doctoral student can think analytically and creatively, has a comprehensive knowledge of the field and the specialty, knows how to use academic resources, and is deemed capable of completing the dissertation. The comprehensive examination must be passed prior to admission to candidacy. A written examination is required, and an oral examination is encouraged.

The faculty of the graduate program and/or the student’s doctoral committee will determine the content, nature and timing of the comprehensive examination and certify its successful completion. The department or committee may at its discretion subdivide the examination, administering portions of the examination at several times during the student’s course of study. Students should review carefully the written statement from each doctoral degree program which details the timing, areas covered, grading procedures, and provisions for repeating a failed examination.

Defense of Dissertation Examination
A doctoral candidate must pass an oral examination on the dissertation. The dissertation, in the form approved by the major professor, must be distributed to the committee at least two weeks before the examination. The examination must be scheduled through the Office of Graduate Admissions and Records at least one week prior to the examination and must be conducted in University-approved facilities. Final examinations not properly scheduled must be repeated. The examination is announced publicly and is open to all faculty members. The defense of dissertation will be administered by ALL members of the doctoral committee after completion of the dissertation and all course requirements. This examination must be passed at least two weeks before the date of submission and acceptance of the dissertation by The Graduate School. The major professor must submit the results of the defense by the dissertation deadline.

LANGUAGE REQUIREMENTS
Candidates for the Ph.D. degree may be required to demonstrate a reading knowledge of at least one foreign language in which there exists a significant body of literature relevant to the major field of study. Please refer to the descriptions of individual programs. The doctoral committee will determine the specific language (or languages) required. When the student is prepared to take a language examination, he/she should complete an Application for Doctoral Language Examination at the Office of Graduate Admissions and Records in accordance with the dates and times for the examinations printed in the Graduate School News.

Satisfactory completion (grade of B or better) of German 332 or French 302 may be substituted for a language examination. Some programs may accept a computer language in lieu of a foreign language.

RESIDENCE REQUIREMENTS
Residence is defined as full-time registration for a given semester on the campus where the major field of study is located. The summer term is included in this period. During residence, it is expected that the student will be engaged in full-time on-campus study toward a graduate degree.

For the doctoral degree, a minimum of two consecutive semesters of residence is required. Individual doctoral programs may have additional residence requirements.

A statement as to how and during what period of time the residence requirement has been met will be presented with the Application for Admission to Candidacy along with signatures of approval from the major professor and the Department Head/Program Director. More information about the rationale for the residence requirement may be obtained from the Graduate Council report available from The Graduate School.

ADMISSION TO CANDIDACY
Admission to candidacy reflects agreement among the student, graduate committee, and The Graduate School that the student has demonstrated the ability to do acceptable graduate work and that satisfactory progress has been made toward a degree. This action usually connotes that all prerequisites to admission have been completed and a program of study has been approved.

A student may be admitted to candidacy for the doctoral degree after passing the comprehensive examination, fulfilling any language requirements (for Ph.D.), and maintaining at least a B average in all graduate coursework. Each student is responsible for filing the admission to candidacy form, which lists all courses to be used for the degree, including courses taken at UT or at another institution prior to admission to the doctoral program, and is signed by the doctoral committee. Admission to candidacy must be applied for and approved by The Graduate School at least one full semester prior to the date the degree is to be conferred.

CONTINUOUS REGISTRATION
The student must register continuously for course 600 (minimum of 3 hours) from the time the doctoral research proposal is approved, admission to candidacy is accepted, or registration for course 600 is begun, whichever comes first, including summer semesters and the semester in which the dissertation is approved by The Graduate School. A minimum total of 24 hours of course 600 is required before the dissertation will be accepted.

A student who will not be using faculty services and/or university facilities for a period of time may request leave of absence from dissertation research up to a maximum of six terms (including summer terms). The request, to be made in advance, will be considered by The Graduate School upon written recommendation of the department head.

DISSERTATION
The dissertation represents the culmination of an original major research project completed by the student. The organization, method of presentation, and subject matter of the dissertation are important in conveying to others the results of such research.

A student should be registered for the number of dissertation hours representing the fraction of effort devoted to this phase of the candidate’s program. Thus, a student working full time on the dissertation should register for 12 hours of course 600 per semester.

Two copies of the dissertation (prepared according to the regulations in the UT Knoxville Guide to the Preparation of Theses and Dissertations, 8th ed.) must be submitted to and accepted by The Graduate School. Each copy must include an approval sheet, signed by all members of the doctoral committee, which certifies to The Graduate School that they have examined the final copy and found that its form and content demonstrate scholarly excellence. Microfilm Agreement form, Survey of Earned Doctorates, and Abstract form are also submitted at this time. The student should check with the department head concerning additional required copies of the dissertation.

TIME LIMIT
Comprehensive examinations must be taken within five years, and all requirements must be completed within eight years, from the time of a student’s first enrollment in a doctoral degree program.
### Summary of Procedures for Master's Degrees and Specialist in Education Degree

<table>
<thead>
<tr>
<th>PROCEDURES</th>
<th>UNDER DIRECTION OF</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission as a potential degree candidate</td>
<td>Office of Graduate Admissions and Records and Major Department</td>
<td>Prior to completing 15 hours of graduate courses</td>
</tr>
<tr>
<td>Formation of master's/Ed.S. committee</td>
<td>Advisor/Major Professor</td>
<td>Prior to application for admission to candidacy</td>
</tr>
<tr>
<td>Submission of application for admission to candidacy</td>
<td>Master's/Ed.S. Committee</td>
<td>At least one semester prior to graduation*</td>
</tr>
<tr>
<td>Approval of admission to candidacy</td>
<td>The Graduate School</td>
<td>Prior to graduation</td>
</tr>
</tbody>
</table>

#### Graduation Requirements for Non-Thesis Option

<table>
<thead>
<tr>
<th>PROCEDURES</th>
<th>UNDER DIRECTION OF</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of application for diploma</td>
<td>Office of Graduate Admissions and Records</td>
<td>At beginning of term of graduation*</td>
</tr>
<tr>
<td>Payment of graduation fee</td>
<td>Bursar's Office</td>
<td>At beginning of term of graduation*</td>
</tr>
<tr>
<td>Scheduling of Final Examination</td>
<td>Student, Committee and Office of Graduate Admissions and Records</td>
<td>Not later than one week prior to Final Examination*</td>
</tr>
<tr>
<td>Final Examination</td>
<td>Master's/Ed.S. Committee</td>
<td>Not later than three weeks prior to Commencement*</td>
</tr>
<tr>
<td>Removal of Incomplete(s)</td>
<td>Instructor of Course</td>
<td>Not later than one week prior to Commencement*</td>
</tr>
</tbody>
</table>

#### Graduation Requirements for Thesis/Problem Options

<table>
<thead>
<tr>
<th>PROCEDURES</th>
<th>UNDER DIRECTION OF</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of application for diploma</td>
<td>Office of Graduate Admissions and Records</td>
<td>At beginning of term of graduation*</td>
</tr>
<tr>
<td>Payment of graduation fee</td>
<td>Bursar's Office</td>
<td>At beginning of term of graduation*</td>
</tr>
<tr>
<td>Submission of thesis/ problems to master's/ Ed.S. committee</td>
<td>Student</td>
<td>At least two weeks prior to Final Examination</td>
</tr>
<tr>
<td>Scheduling of Final Examination</td>
<td>Student, Committee and Office of Graduate Admissions and Records</td>
<td>Not later than one week prior to Final Examination*</td>
</tr>
<tr>
<td>Final Examination</td>
<td>Master's/Ed.S. Committee</td>
<td>Not later than four weeks prior to Commencement*</td>
</tr>
<tr>
<td>Approval and acceptance of final copy of thesis</td>
<td>Master's/Ed.S. Committee and The Graduate School</td>
<td>After Final Examination and not later than two weeks prior to Commencement*</td>
</tr>
<tr>
<td>Removal of Incomplete(s)</td>
<td>Instructor of Course</td>
<td>Not later than one week prior to Commencement*</td>
</tr>
</tbody>
</table>

*Deadline dates are printed in the Graduate School News each semester, in addition to a separate publication of Deadline Dates for Graduation. Both are available on the Graduate School Web Page (http://web.utk.edu/~gsinfo).
## Summary of Procedures for Doctoral Degrees

<table>
<thead>
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<tbody>
<tr>
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<td>Office of Graduate Admissions and Records and Major Department</td>
<td>Prior to completing 15 hours of graduate courses</td>
</tr>
<tr>
<td><em>Appointment of doctoral committee</em></td>
<td>The Graduate School on recommendation of department head</td>
<td>Preferably during the first year of graduate study, but at the latest, prior to application for admission to candidacy</td>
</tr>
<tr>
<td><em>Comprehensive Examination</em></td>
<td>Major department</td>
<td>Prior to admission to candidacy</td>
</tr>
<tr>
<td><em>Language examination(s)</em>*</td>
<td>Office of Graduate Admissions and Records</td>
<td>Prior to admission to candidacy</td>
</tr>
<tr>
<td>Submission and approval of application for admission to candidacy</td>
<td>Doctoral Committee and The Graduate School</td>
<td>At least one semester prior to graduation***</td>
</tr>
</tbody>
</table>

### GRADUATION REQUIREMENTS

<table>
<thead>
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<td>Office of Graduate Admissions and Records</td>
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</tr>
<tr>
<td>Payment of graduation fee</td>
<td>Bursar’s Office</td>
<td>At beginning of term of graduation***</td>
</tr>
<tr>
<td>Submission of dissertation to doctoral committee</td>
<td>Student</td>
<td>At least two weeks prior to Defense of Dissertation Examination</td>
</tr>
<tr>
<td>Scheduling of Defense of Dissertation Examination</td>
<td>Student, Committee and Office of Graduate Admissions and Records</td>
<td>Not later than one week prior to Defense of Dissertation Examination***</td>
</tr>
<tr>
<td>Defense of Dissertation Examination</td>
<td>Doctoral Committee</td>
<td>Not later than four weeks prior to Commencement***</td>
</tr>
<tr>
<td>Approval and acceptance of final copy of dissertation and doctoral forms</td>
<td>Doctoral Committee and The Graduate School</td>
<td>After Defense of Dissertation Examination and not later than two weeks prior to Commencement***</td>
</tr>
<tr>
<td>Removal of Incomplete(s)</td>
<td>Instructor of Course</td>
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</tr>
</tbody>
</table>

*The order of these items varies with individual programs.
**Not required in some programs.
***Deadline dates are printed in the Graduate School News each semester, in addition to a separate publication of Deadline Dates for Graduation. Both are available on the Graduate School Web Page (http://web.utk.edu/~gsinfo).
Fees and Financial Assistance

Residency Classification for Tuition Purposes

A prospective student who applies to The Graduate School is notified of residency classification (in-state or out-of-state) for tuition purposes. Classification is based on information supplied on the Graduate Application for Admission. A student cannot acquire in-state status on the basis of full-time enrollment at a higher educational institution in Tennessee. Proof of in-state residence is the responsibility of the individual.

A student classified out-of-state who (1) works full-time in the state or at Fort Campbell, Kentucky, and (2) desires to attend UT on a part-time basis (maximum 6 hours of coursework per semester), is eligible for a waiver of out-of-state tuition. The student must apply for a waiver prior to the date of registration each semester. Forms are available from the Sr. Admissions Specialist in the Office of Graduate Admissions and Records.

A student wishing to appeal a classification should contact the Sr. Admissions Specialist, who will provide an application for reclassification and a copy of the State regulations. The application must be submitted on or before the last day of regular registration (the day before classes officially begin) for a given semester, if the student is to be considered for reclassification that semester.

RUL ES OF RESIDENCY CLASSIFICATION

Intent

It is the intent that the public institutions of higher education in the State of Tennessee shall apply uniform rules, as described in these regulations and not otherwise, in determining whether students shall be classified "in-state" or "out-of-state" for fees and tuition purposes and for admission purposes.

Definitions

(1) "Public higher educational institution" shall mean a university or community college supported by appropriations made by the Legislature of this State.

(2) "Residence" shall mean continuous physical presence and maintenance of a dwelling within this State, provided that absence from the State for short periods of time shall not affect the establishment of a residence.

(3) "Domicile" shall mean a person's true, fixed, and permanent home and place of habitation; it is the place where he intends to remain, and to which he or she expects to return when he or she leaves without intending to establish a new domicile elsewhere.

(4) "Emancipated person" shall mean a person who is no longer in the care, custody and control of his or her parent.

(5) "Parent" shall mean a person's father or mother. If there is a non-parental guardian or legal custodian of an emancipated person, then "parent" shall mean such guardian or legal custodian; provided, that there are not circumstances indicating that such guardianship or custodianship was created primarily for the purpose of conferring the status of an in-state student on such emancipated person.

(6) "Continuous enrollment" shall mean enrollment at a public higher educational institution or institutions of this State as a full-time student, as such term is defined by the governing body of said public higher educational institution or institutions, for a normal academic year or years or the appropriate portion or portions thereof since the beginning of the period for which continuous enrollment is claimed. Such person need not enroll in summer sessions or other such inter-sessions beyond the normal academic year in order that his or her enrollment be deemed "continuous." Enrollment shall be deemed continuous notwithstanding lapses in enrollment occasioned solely by the scheduling of the commencement and/or termination of the academic years, or appropriate portion thereof, of the public higher educational institutions in which such person enrolls.

Rules for Determination of Status

(1) Every person having his or her domicile in this State shall be classified "in-state" for fee and tuition purposes and for admission purposes.

(2) Every person not having his or her domicile in this State shall be classified "out-of-state" for said purposes.

(3) The domicile of an emancipated person is that of his or her parent. Emancipated students of divorced parents shall be classified "in-state" when one parent, regardless of custodial status, is domiciled in Tennessee.

Out-Of-State Students Who Are Not Required to Pay Out-Of-State Tuition

(1) An unemancipated, currently enrolled student shall be reclassified out-of-state should his or her parent have or have been domiciled in the State, remove from the State. However, such student shall not be required to pay out-of-state tuition nor be treated as an out-of-state student for admission purposes so long as his or her enrollment at a public higher educational institution or institutions shall be continuous.

(2) An unemancipated person whose parent is not domiciled in this State but is a member of the armed forces and stationed in this State or at Fort Campbell pursuant to military orders shall be classified out-of-state, but shall be required to pay out-of-state tuition. Such a person, while in continuous attendance toward the degree for which he or she is currently enrolled, shall not be required to pay out-of-state tuition if his or her parent thereafter is transferred out of state.

(3) A person whose domicile is in a county of another state lying immediately adjacent to Montgomery County, or whose place of residence is within thirty (30) miles of Austin Peay State University shall be classified out-of-state but shall not be required to pay out-of-state tuition at Austin Peay State University. Provided, however, that there be no public college or normal school within the non-resident's own state, of equal distance to said non-resident's bona fide place of residence.

(4) Part-time students who are not domiciled in this State but who are employed full-time in the State, or who are stationed at Fort Campbell pursuant to military orders, shall be classified out-of-state but shall not be required to pay out-of-state tuition. This shall apply to part-time students who are employed in the State by more than one employer, resulting in the equivalent of full-time employment.

(5) Military personnel and their spouses stationed in the State of Tennessee who would be classified out-of-state in accordance with other provisions of these regulations will be classified out-of-state but shall not be required to pay out-of-state tuition.

(6) A person who is domiciled in the Kentucky counties of Fulton, Hickman, or Graves shall be classified out-of-state and shall not be required to pay out-of-state tuition at The University of Tennessee at Martin if qualified for admission. This exemption is on condition that Murray State University in Murray, Kentucky, continue to admit Tennessee residents from selected Kentucky counties to enroll at that institution without payment of out-of-state tuition.

(7) Any dependent child not domiciled in Tennessee but who qualifies and is selected to receive a scholarship under the Dependent Children Scholarship Act (T.C.A. 49-4-704) because his or her parent is a law enforcement officer, fireman, or emergency medical service technician who was killed or totally and permanently disabled while performing duties within the scope of employment, shall be classified out-of-state but shall not be required to pay out-of-state tuition.

(8) The spouse of a student classified as "in-state" shall also be classified "in-state."

(9) Students not domiciled in Tennessee but who are selected to participate in specified institutional undergraduate Honors Programs shall be classified out-of-state but shall not be required to pay out-of-state tuition.

(10) A person whose domicile is in Mississippi County, Arkansas, or either Dunlin County or Femiscott County, Missouri, and who is admitted to Dyersburg State Community College, shall be classified out-of-state but shall not be required to pay out-of-state tuition.

(11) A person who is not domiciled in Tennessee, but has a bona fide place of residence in a county which is adjacent to the Tennessee state line (as determined by the THEC) of a city containing a two-year TBR institution and who is admitted to a two-year TBR institution, shall be classified out-of-state but shall not be required to pay out-of-state tuition. The two-year institution may admit only up to three percent (3%) of the full-time equivalent attendance of the institution without out-of-state tuition. (THEC may adjust the number of the non-residents admitted pursuant to this section every three (3) years.)
Presumption

Unless the contrary appears from clear and convincing evidence, it shall be presumed that an emancipated person does not acquire domicile in this State while enrolled as a full-time student at any public or private higher educational institution in this State, as such status is defined by such institution.

Evidence to Be Considered for Establishment of Domicile

If a person asserts that he or she has established domicile in this State he or she has the burden of proving that he or she has done so. Such a person is entitled to provide to the public higher educational institution by which he or she seeks to be classified or reclassified in-state, any and all evidence which he or she believes will sustain his or her burden of proof. Said institution will consider any and all evidence provided to it concerning such claim of domicile but will not treat any particular type or item of such evidence as conclusive evidence that domicile has or has not been established.

Appeal

The classification officer of each public higher educational institution shall be responsible for initially classifying students "in-state" or "out-of-state." Appropriate procedures shall be established by each such institution by which a student may appeal his or her initial classification.

Effective Date for Reclassification

If a student classified out-of-state applies for in-state classification and is subsequently so classified, his or her 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 quarter or semester 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 quarter or semester.

University Fees

University fees and other charges are determined by the Board of Trustees and are subject to change without notice. All student fees are due in advance.

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 must confirm their attendance by 1) making the minimum payment, or 2) signing the Confirmation of Attendance Form if no fees are due by the student. The schedule will be cancelled if one of the above is not accomplished each term on or before the published due date. This includes graduate assistants, teaching assistants, teaching associates, research assistants, staff, and others whose fees may be billed, prepaid, or waived. Late registration fees are applicable to students who register during Final Registration.

No student is authorized to attend classes who has not registered and satisfied his/her payment of fees.

The University is authorized by statute to withhold diplomas, grades, transcripts, and registration privileges from any student until all debts and obligations owed to the University are satisfied.

The general fees for graduate students in effect at the time of publication are as follows:

**APPLICATION FEE** ........................................ $35

Each graduate application for admission must be accompanied by a non-refundable fee of $35 before it will be processed (fee not required if: (1) former UT graduate student; (2) paid to UT Graduate School within the previous 12 months; or (3) paid and attended graduate school within UT System).

If a student applies but does not enter graduate school within twelve months after date of requested admission, the file will be destroyed, and it will be necessary to reumit the application fee and a new application. This fee is not refundable.

**VOLXPRESS**

VOLXPRESS is The University of Tennessee's centralized accounting system that allows students to pay all of their fees and charges with one check by mail. Through VOLXPRESS, students are mailed statements that include their class schedule, drop/add activity, current tuition and fees, fee waiver information, fines and past-due amounts, pending financial aid that can be credited toward their accounts, any excess funds from scholarships and/or loans, and choices about how to receive them.

VOLXPRESS is a convenient method for students to take care of business from home. Students who register and pay early will receive the greatest benefit if the payment deadlines are observed.

Each student must submit any change of billing address to the Enrollment Data Services Office to ensure timely receipt of a VOLXPRESS statement. Each Timetable of Classes lists the dates of registration and when and if statements will be mailed.

**IN-STATE FEES**

<table>
<thead>
<tr>
<th>Fall 1999</th>
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<tbody>
<tr>
<td><strong>MAINTENANCE FEE</strong></td>
<td>$1,653</td>
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<tr>
<td><strong>Tuition</strong></td>
<td>$2,568</td>
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<tr>
<td><strong>Total</strong></td>
<td>$4,224</td>
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**OUT-OF-STATE FEES**

<table>
<thead>
<tr>
<th>Fall 1999</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAINTENANCE FEE AND TUITION</strong></td>
<td>$4,687</td>
</tr>
<tr>
<td><strong>Part Time (8 hours or less)</strong></td>
<td>$522 per credit (or audit) hour or fraction thereof; minimum charge $522.</td>
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</table>

**Fees and Financial Assistance**

All students both in- and out-of-state are required to pay the established maintenance fee. Tuition is required of all students who are classified as non-residents for fee assessment purposes.

**UNIVERSITY PROGRAMS AND SERVICES FEE**

| Full Time (9 hours or more) | $150 |
| Per Semester | $10 |
| Per Summer Term | $7 |

Note: The Programs and Services Fee is non-refundable.

The purpose of the University Programs and Services Fee is to provide non-instructional facilities and programs of an educational, cultural, social, recreational, and service nature for UT students. The student health fee is included in the full programs and services fee. Refer to Student Health Insurance and Student Health Service for additional information.

All students enrolled in excess of eight semester hours per term are assessed a Programs and Services fee of $150. Part-time students taking fewer than nine semester hours will be assessed at the rate of $10 per semester hour or fraction thereof.

Graduate, teaching, and research assistants, teaching associates, and fellowship students, who may have a waiver of fees (tuition and/or maintenance), must pay the appropriate University Programs and Services Fee and late payment fee, if applicable.

Knoxville campus students taking a course load of 6-8 hours may elect to pay the full programs and services fee or may elect to pay the student health fee ($48 for fall and spring, $36 for summer) plus the appropriate part-time programs and services fee up to the maximum of $150.

Knoxville campus students taking 5-3 hours may elect to pay the student health fee ($48 for fall and spring, $36 for summer), plus the appropriate part-time programs and services fee.

**TECHNOLOGY FEE**

| Full Time (9 hours or more) | $100 |
| Part Time (8 hours or less) per credit (or audit) hour | $12 |

The purpose of the Technology Fee is to provide all students with improved access to the technological infrastructure, resources, and services at UT.

Graduate, teaching, and research assistants, teaching associates, and fellowship students, who may have a waiver of fees (tuition and/or maintenance), must pay the appropriate Technology Fee.

The Technology Fee is mandatory and may be refunded on the same percentage scale as maintenance and tuition charges.

**MUSIC FEE**

One half-hour lesson per week per semester ................................ $60
Students who register during Final Registration will be assessed a late fee based on the following:

- Beginning of Final Registration through 1st full week of classes: $20
- 2nd week of classes through 3rd week of classes: $40
- 3rd week of classes through 4th week of classes: $60
- After 4th week of classes: $100

Doctoral students who must register retroactively for dissertation credit will be charged a late fee of $35 for each semester of retroactive registration.

**REINSTATEMENT FEE**

$45

**VOLXpress accounts** which have a balance one month prior to the end of a term will be assessed a reinstatement fee of $45. Grades will be withheld until all past due amounts are paid.

**RETURNED CHECK SERVICE FEE POLICY**

All checks are deposited the day they are received. A $20 service charge will be assessed when checks fail to clear the bank on which they are drawn. Returned checks will not be redeposited. Cash or certified funds are required for payment of the returned check and service charges.

Any student who does not respond within 2 weeks from the date of the first notice may be assessed an additional $10 Service Charge.

Failure to clear returned checks will result in the forfeiture of all university services, including the receipt of grades, transcripts, and schedule of classes. Check cashing privileges may be suspended or terminated in accordance with University policy. Failure to pay may also result in additional late fees, collection costs and reasonable attorney fees.

**RETURNED CHECK POLICY**

Payments made by checks that are returned by the bank adhere to the following returned check guidelines:

1. 1st returned check—Check writing/cashing privileges are suspended until the returned check and service charges are paid/cleared.
2. 2nd returned check—if the 2nd returned check is within 1 calendar year of the 1st returned check, check writing/cashing privileges are suspended for 6 months from the date of the second check. If the 2nd returned check is not within 1 calendar year of the first, check writing/cashing privileges are suspended until the returned check and service charges are paid/cleared.
3. 3rd returned check—Check writing/cashing privileges are suspended for 1 year from the date of the third check.
4. 4th returned check—Check writing/cashing privileges are permanently suspended.

**TUITION PAYMENT PLANS**

All student fees are due in advance and should be paid in full by the due date shown on the VOLXpress statement and listed in the Timetable of Classes. Failure to receive a statement does not relieve students of their obligation to pay on or before the due date.

**Deferred Payment Plan**

Students in good financial standing will be offered a deferment of up to 50% of the total charges on their VOLXpress statement. The first payment is due on the published due date and the second payment is due approximately 45 days after the first. All financial aid must be applied toward fees before a deferment will be considered. A deferred payment service fee of $20 is assessed when any portion of tuition, fees, and other charges are deferred, including third party deferments, with the approval of the Bursar’s Office. An additional $35 late payment charge will be assessed if the second installment is not paid on or before the due date. Failure to receive a statement does not relieve students of their obligation to pay on or before the due date. An additional $45 reinstatement fee will be assessed if fees are not paid by one month prior to the end of the term.

**Room Plan**

Semester room charges may be paid in monthly installments. The first month’s rent, plus a deposit of one month’s rent, is due at the beginning of the semester. The remaining installments are due every four weeks.

**REFUNDS**

Refunds are defined as the portion of maintenance and/or tuition and University housing/meal charges due as a rebate when a student withholds or drops a portion of class hours. Refunds are also processed as a rebate on some fines and penalties paid such as parking fines, library fines, etc. Once a refund is determined to be appropriate, all amounts will be applied toward other outstanding fees/fines owed to the University at the time the refund is issued, including outstanding fees due on the Deferred Payment Plan. Any remaining refund balance will be mailed to the student’s billing address. Refunds on payments made by credit card will be applied back to the credit card.

**Refund/Charge of Fees for Withdrawal**

After payment of fees and/or a Confirmation of Attendance Form is submitted by the student, withdrawal for the semester must be by official notification to the Graduate Admissions and Records Office, 218 Student Services Building. Failure to attend class does not automatically withdraw or drop a student from the University or class.

The effective date of withdrawal is the date the Office of Graduate Admissions and Records notifies by completion of the official withdrawal request form. The appropriate percentage of fees will be charged unless this action is completed by the close of the day before the last official day of classes for the semester. Failure to notify the Graduate Admissions and Records Office promptly when withdrawing could result in a larger fee assessment. Withdrawal does not cancel fees and charges already incurred. All charges and refunds will be made to the nearest even dollar.

The drop/add procedure cannot be used to withdraw from school for the semester.
For a regular academic semester, withdrawal within 5 business days beginning with the first official class start date of the semester permits a 90% refund/10% charge. Specific dates will be printed in the Timetable of Classes. The first class start date is the date on which all classes begin. Withdrawal between 6 and 10 business days beginning with the first class start date of the semester permits an 80% refund/20% charge. Withdrawal between 11 and 15 business days information about an 80% refund/40% charge. Withdrawal between 16 and 20 business days permits a 40% refund/60% charge. A 100% charge is assessed for courses dropped after 20 business days. Refunds, in accordance with the withdrawal refund policy, will be made after the drop deadline.

Financial Aid Withdrawals/Repayments

Repayments are defined as the portion of aid received by a student after the University direct charges have been paid by that aid, that must be refunded to the University if a student withdraws or is dismissed. The amount of repayment is determined by the Refund/Charge stated previously.

Refunds and repayments to the Title IV programs are determined according to the formula published in the current "Federal Student Financial Aid Handbook." The Financial Aid Office is responsible for calculating the amount of the refund and/or repayment and distributing the correct amount to the financial aid programs according to the Refund/Repayment Allocation Policy.

For first-time students who withdraw on or before the 60% point in time of the enrollment period for which they were charged, the school must calculate a statutory prorata refund and compare this amount to the refund amount from the state and accrediting agency policies (if any) to determine the largest available refund to the student. If the state and the accrediting agency policies do not exist or are not applicable, the student's refund is the pro rata refund amount.

For continuing students who withdraw on or before the 60% point of the enrollment period or first-time students who withdraw after the 60% point of the enrollment, the school must calculate the student's refund amounts using the applicable state and accrediting agency policies (if any), compare the resulting refunds, and use the calculation that provides the largest refund. If the state and accrediting agency policies do not exist or are not applicable, the school must calculate the refund under the Federal Refund Policy and the school's policy (if any) and provide the largest refund.

Refund/Charge of Fees for Dropped Courses (continue with a reduced course load)

Students pay fees computed at the appropriate semester-hour rate as indicated in the fee section. No charge is made for courses dropped during the first 8 business days following the day before the first official semester class begins. An 80% refund/20% charge is made for courses dropped between 9 and 10 business days following the day before the first class begins. A 60% refund/40% charge is assessed for courses dropped between 11 and 15 business days. A 40% refund/60% charge is made for courses dropped between 16 and 20 business days. A 100% percent charge is made for courses dropped after 20 days.

Students who drop courses and continue with a reduced load are eligible for a refund only if the sum of charges computed at the semester-hour rate for the hours continued, plus the percentage assessed for the hours dropped, results in an amount less than that paid. A course on a student's schedule is officially dropped, and the drop becomes effective, on the date that the charge of registration fees is processed or the date the drop was entered on the Registration System. Any refund due for dropped courses will be made after the drop deadline.

SUMMER TERM FEES AND EXPENSES

Fees and expenses for the summer semester are the same as for other semesters during the academic year, except for University Programs and Services Fees as previously mentioned. Although the summer term is divided into sessions of varying lengths, tuition and fees are assessed at the regular semester-hour rate up to the pro rata charge for a complete regular semester.

The refund policy covering withdrawal and dropped courses for the summer semester is based on the length of the term for the course(s) dropped. Percentages of refund is based on the date of withdrawal/drop. See Timetable of Classes for specific dates.

WAIVER OF FEES

Graduate assistants, teaching assistants and associates, research assistants, staff, and others whose fees are billed, prepaid, waived, or partially waived confirm their attendance by making payment or signing a Confirmation of Attendance Form by the due date as published in the Timetable of Classes or the schedule will be cancelled. If an appointment terminates during the term, the student owes the appropriate fees from the termination date until the end of the term. Graduate students are not eligible for UT spouse/dependent discounts.

STUDENT HEALTH INSURANCE

The University makes available, by contract with an insurance company, group health insurance expressly for students. The 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 benefits, since inpatient 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 responsibility. Information about the insurance is mailed by the company to the student's home, and participation is solicited. Enrollment in the plan or alternative coverage is mandatory for international students. Students may obtain applications from the Student Health Service or the Center for International Education. Except for interna-

Financial Assistance

UT offers several types of financial assistance for which graduate students may apply.

ASSISTANTSHIPS

Graduate assistantships, scholarships, traineeships, and some fellowships are offered through many departments and colleges. Information concerning these types of assistance can be obtained from the department in which the student plans to study. All assistantships are governed by the Policy for the Administration of Graduate Assistantships. See section on Federal, State and University Policies.

FELLOWSHIPS

The Graduate School administers the Hiltom A. Smith Graduate Fellowships, the Herman E. Spivey Graduate Fellowships and the UT Graduate Student Fellowships. These
awards are for full-time study at UT, and awardees are selected on the basis of high achievement, broad intellectual ability and potential for significant career contributions. Candidates from any field of study are invited to apply for the Herman E. Spivey fellowships if they have a 3.7 grade-point average or above in all previous academic work. Candidates for graduate study in the humanities are invited to apply for the Herman E. Spivey fellowships if they have a 3.7 grade-point average or above in all previous academic work. Additional paperwork is required on subsidized/unsubsidized Stafford Loans.

Students must be admitted into a degree program and be enrolled for a minimum of 6 credit hours each semester to receive student loans.

Four types of loan programs are administered by the Financial Aid office: 1) Federal Perkins Loan (Student Aid Report, SAR, must be on file); 2) subsidized Federal Stafford Loan (SAR must be on file); 3) unsubsidized Federal Stafford Loan (SAR must be on file); and 4) The University of Tennessee Loan. Processing time varies from one loan program to another. Students who have attended any post-secondary institution other than UT must provide a Financial Aid Transcript to the Financial Aid Office even if no financial aid was received from the previous institution if entrance is at mid-year. All students receiving financial aid are expected to maintain satisfactory academic progress standards to remain eligible to receive aid. In addition, all students receiving federal financial aid must have a social security number. Information on these standards, applications, and additional information are available from the Office of Development Resources and Alumni Services.

VETERANS BENEFITS

Veterans, reservists and widows or children of certain deceased or disabled veterans, who have been admitted to a degree program, may apply for benefits by contacting the Veterans Affairs Office. Maximum benefits are paid by the Veterans Administration for course loads of 9 or more graduate hours each semester.

Use of Social Security Number

UT requires assignment of an individual student number for internal identification of each student’s record. The University began using the social security number as the student identification number prior to 1 January 1975; therefore, federal law allows continued use of this number. However, if a student does not desire to use the social security number, notification to the University must be made at the time of application for admission. A student identification number will then be assigned instead. For prompt and accurate retrieval of records and for conducting business about their own records, students and alumni must give their student identification number. Student identification numbers, whether social security or assigned numbers, are used administratively within the University only and are not given to third parties without express consent of the student. All students receiving federal financial aid must have a social security number.

EEO/Title IX/Section 504 Statement

The University of Tennessee, does not discriminate on the basis of race, sex, color, religion, national origin, age, disability, or veteran status in provision of educational opportunities or employment opportunities and benefits.

UT does not discriminate on the basis of sex or disability in its educational programs and activities, pursuant to requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Public Law 92-318, Section 504 of the Rehabilitation Act of 1973, Public Law 93-112, and the Americans with Disabilities Act of 1990, Public Law 101-336. This policy extends both to employment by and admission to the University.

For further information regarding the University’s policies on Civil Rights and Titles VI and IX, please contact the Office of Diversity Resources and Educational Services (DRES); 2110 Terrace Avenue; The University of Tennessee; Knoxville, TN 37996-3650; or telephone (865) 974-2496 (V/TT). Charges of violation of the above policies should also be directed to DRES.

Security Information

In accordance with the Tennessee College and University Security Information Act of 1989 and the Student Right-To-Know and Campus Security Act, The University of Tennessee has prepared a report containing campus security policies and procedures, data on campus crimes and other related information. A free copy of this report may be obtained by any student, employee or applicant for admission or employment from the Office of the Dean of Students, 413 Student Services Building.
Damage to fetus if pregnant mother drinks.

Brain damage—memory loss, hallucinations.

Cancer—of the mouth, esophagus, stomach.

Death—50% of fatal auto accidents involve alcohol.

Malnutrition.

Ulcers and gastritis.

Some of the health risks associated with such use/abuse are described below.

Individuals who are paid by The University of Tennessee from federal grants or contracts must notify the University of any criminal drug statute conviction for a violation occurring in the workplace within five days after such conviction. The University is, in turn, required to inform the granting or contracting agency of such violation within ten days of the University's receipt of notification.

Employees and their families needing treatment information should call their local Personnel Office, Employee Assistance Program, or the State of Tennessee Employee Assistance Program (800-468-8369). Students needing treatment information should contact their campus Student Affairs Office, student health center or counseling center.

ALCOHOL ABUSE HEALTH RISKS

Liver damage—cirrhosis, alcoholic hepatitis.

Heart disease—enlarged heart, congestive heart failure.

Ulcers and gastritis.

Malnutrition.

Cancer—of the mouth, esophagus, stomach, liver.

Brain damage—memory loss, hallucinations, psychosis.

Damage to fetus if pregnant mother drinks.

Death—50% of fatal auto accidents involve alcohol; 31% of suicides are alcoholics.

DRUG USE HEALTH RISKS

Overdosing—psychosis, convulsions, coma, death.

Long-term use—organ damage, mental illness, malnutrition, death.

Casual use—headache, stroke, brain damage, death.

Needles—infection, hepatitis, AIDS, death.

If a pregnant mother uses drugs, her baby can be born addicted or dead.

Policy for the Administration of Graduate Assistantships

PREAMBLE

Programs of graduate study are designed to transform the individual from student to knowledgeable practitioner or professional scholar. When a graduate assistantship is well conceived and executed, it serves as an ideal instrument to facilitate the desired transformation. The primary goal of an assistantship, then, is to facilitate progress toward the graduate degree. While the student assistant makes progress toward an advanced degree, he or she also receives work experience in a profession under the supervision of a faculty mentor.

The graduate assistant is both student and employee. As a graduate assistant, he or she is expected to perform well academically to retain the assistantship. He or she is to be counseled and evaluated regularly by a faculty mentor so as to develop professional skills. As an employee, the graduate assistant is expected to meet teaching, research, and administrative obligations. He or she is to work under the supervision of experienced faculty and receive in-service training. In sum, the graduate assistant receives financial support for graduate study by contributing to the teaching and research mission of the university. The totality of responsibilities may be greater than that required of other students or staff members, but the opportunities for professional development also are greater for the graduate assistant.

- Tennessee Conference of Graduate Schools

DEFINITION

An assistantship is a financial award to a graduate student for part-time work in teaching, administration or research while pursuing study toward an advanced degree. Appointments are normally on a one-fourth to one-half time basis, and the annual stipend is payable in eight or twelve monthly installments. In addition, the stipend, Graduate Teaching Assistants, Graduate Teaching Associates, Graduate Assistants, and Graduate Research Assistants are entitled to a waiver of fees for the period of appointment in accordance with university policy. University fees include a maintenance fee (required of all students), tuition (additional for out-of-state students), a program and services fee, and a technology fee. The waiver of fees for assistantships applies to maintenance and tuition fees only; it does not include the program and services fee or the technology fee. For Graduate Research Assistants the maintenance fee is paid by the granting agency and is in addition to the stipend paid.

Maintenance fees and tuition waivers apply to appointments at one-fourth time basis or higher. In this document when graduate assistant is not capitalized (except in headings), reference is to all four types of assistantships at the University of Tennessee.

TYPES OF ASSISTANTSHIPS

It is imperative that each department adhere to the UT Faculty Handbook's four categories of assistantships. All departmental guidelines should reflect the descriptions provided in the Handbook (1996, p.35):

Graduate Teaching Assistant

Graduate Teaching Assistants work under the direct supervision of regular faculty members and may be assigned only to duties related directly to instruction. These include such activities as assisting in the preparation of lectures, leading discussion sections, conducting laboratory exercises, grading papers and keeping class records. Assistants may not be given primary teaching and/or evaluation responsibilities nor should they be given duties to support faculty research or those basically clerical in nature.

In consultation with the supervisor, the Teaching Assistant works to gain teaching skills and an increased understanding of the discipline.

Graduate Teaching Associate

Graduate Teaching Associates are advanced graduate students who have been given primary responsibility for teaching undergraduate courses, including the assignment of final grades. No other category of graduate assistant may be so charged. Associates may not be assigned primary responsibilities for teaching and student assessment in courses approved for graduate credit.

Associates must have met the Southern Association of Colleges and Schools (SACS) 18-hour requirement.

Graduate Assistant

Graduate Assistants are appointed to perform various types of duties other than those related directly to teaching or research. Most commonly, these duties relate to supervisory or administrative functions of the University.

Graduate Research Assistant

Graduate Research Assistants perform duties in support of University research, which may or may not relate directly to the students' thesis/dissertation. A student appointed as a GRA works under the direct supervision of his/her major professor. Research assistanceships may be financed through funds from gifts, grants, contracts, state appropriations designated for research, or the University's internally sponsored programs. Department Heads are responsible for assuring that GRAs receive ample...
opportunities to make continuing progress toward their degrees.

WORK ASSIGNMENTS AND RELATED FACTORS

To utilize the four categories of assistantships, the following provisions should be observed:

1. Work assignments for each type of assistantship must be as specific as possible and should be developed to reflect both the needs of the department and each graduate assistant's obligation to make satisfactory progress in his/her program. Therefore, to the extent possible an assignment should appropriately reflect teaching hours, office hours, hours to be spent performing research or other specified tasks. Such specifications should be provided in writing at the time the offer is made.

In situations where the work assignment cannot be specifically described or must be changed from an initial assignment, the graduate assistant should clearly be informed before agreeing to, or continuing in, the assignment.

An important part of each graduate assistant's work assignment is the fostering of professional development. Such development plus variations in departmental needs may result in differences in number of hours per week for carrying out assignments. Thus, weekly work assignments, when specified, are done in terms of averages. For a one-half time appointment, the graduate assistant's normal work time should not exceed 10 hours per week. For a one-fourth time, the graduate assistant's normal work time should not exceed 5 hours per week. Exemptions exceeding 50% must have prior approval from the Head and Department Head must sign the appropriate form (APR FORM 1-89) that is attached to the PAF form. This is forwarded to the Office of Human Resource Management. Expectations should be noted on this form, but a memo and appropriate documentation should be forwarded to the Graduate Office, 404 Andy Holt Tower.

Implementation of the SACS 18-hour Requirement at UT

The appropriate Department Head has responsibility for certifying that the 18-hour requirement is met either through coursework or by documentation that the graduate assistant meets the requirements as an exception (e.g., experience in the performing arts). The Dean and Department Head must sign the appropriate form (APR FORM 1-89) that is attached to the PAF form. This is forwarded to the Office of Human Resource Management. Expectations should be noted on this form, but a memo and appropriate documentation should be forwarded to the Graduate Office, 404 Andy Holt Tower.

COMPETENCY IN ENGLISH

The University of Tennessee requires all students to be competent in spoken English. The specific policy, as it relates to graduate students who teach, is as follows: Since a certain level of competency with English as a spoken language is necessary for effective communication and teaching, all Graduate Teaching Assistants and Graduate Teaching Associates whose first language is not English are required to demonstrate an appropriate level of comprehensibility for classroom teaching by taking the SPEAK Test administered by The Graduate School. The Test of Spoken English (TSE) may be taken in lieu of the SPEAK Test. The results of this test will be communicated by The Graduate School to the appropriate department to be used in determining the nature and extent of instructional or other duties assigned the Graduate Teaching Assistant or Graduate Teaching Associate. Suggested modes of remediation will be given to the department and graduate student when appropriate.

New international students who have been appointed an appointment as Graduate Teaching Assistant or Graduate Teaching Associate will take the SPEAK test after their arrival at UT, and the results of the test will be used to determine the nature of their assignment. The student who has already been enrolled at UT, a graduate assistant's work assignment should appropriately reflect teaching hours, office hours, hours to be spent performing research or other specified tasks. Such specifications should be provided in writing at the time the offer is made.

Qualifications of Graduate Assistants

Graduate assistants must be currently enrolled in the Graduate School (as full-time degree-seeking students, provisionally students, non-degree students, or transient graduate students). The Southern Association of Colleges and Schools (SACS) 18-hour requirement must also be met.

SACS Requirement

Regulations specifically addressing the 18-hour requirement are excerpted from Section 4.8.4 of the SACS publication, Criteria for Accreditation, (Atlanta, 1996, p. 50) and read as follows:

[Graduate teaching associates] who have primary responsibility for teaching a course for credit and/or for assigning final grades for such a course, and whose professional and scholarly preparation does not satisfy the provisions of Section 4.8.2 [which relate to exceptions] must have earned at least 18 graduate semester hours in their teaching discipline, receive regular in-service training, and be evaluated regularly.

The above requirements do not apply to graduate teaching assistants engaged in assignments such as assisting in laboratory sessions, teaching physical education activities, attending or helping prepare lectures, grading papers, keeping class records, and conducting discussion groups.

Rights/Responsibilities of Graduate Assistants

1. As specified in the Personnel Policies and Procedures Manual (Section 105-Pr3, p. 2), "A student employee is one whose primary function is that of enrollment in an academic program." Thus, first priority of all graduate assistants must be satisfactory progress in their scholastic program. At the same time, acceptance of an assistantship is predicated on the belief that satisfactory progress can be concurrently achieved in work assignments and scholastic programs. Collaborative efforts between graduate assistants and their supervisors should be focused on the goal of satisfactory performance in both areas.

2. In cases where graduate assistants feel that they have a legitimate complaint about any aspect of carrying out their assignments (work hours, duties assigned, pay, work conditions, etc.), they have a right to pursue all established channels to resolve the conflict. In the order that follows, the student should speak to his/her immediate supervisor, the appropriate Department Head, the appeals committees in the home unit or College, and the Dean of the College/School involved. If the student feels that a resolution should be sought beyond the Department/College level, the Graduate School should be contacted. The Graduate School will follow established procedures outlined in the Graduate Council Appeals Procedure and/or Hilltops.

3. Graduate assistant's benefits as employees of the University of Tennessee, in addition to fee waivers as employees at other places, include workers' compensation as defined in the Personnel Policies and Procedures Manual under employees' status. The specific wording reads, "Employees so designated [as student employees] receive no benefits other than statutorily required payments which include Workers' Compensation" (Section 105-Pr2-3).

4. Graduate student assistance appointments (Graduate Assistants, Graduate Teaching Assistants, Graduate Teaching Associates, and Graduate Research Associates) are of two types: "academic year" and "twelve month or other." Students on academic year appointments for the Fall and Spring terms receive 12 equal monthly payments for the 9 months of service and a waiver of fees for three terms (including the Summer). Students appointed to an academic year appointment beginning in the Spring term have the option of receiving 7 equal monthly payments for the January-July period or 6 equal payments for the January-June period. In both cases a fee waiver is provided for Spring and Summer terms. Graduate students on
"Academic year" appointments have no assistantship responsibilities in the Summer term. Students appointed to "12 month or other" appointments receive equal monthly payments for the months of the appointments and have assistantship responsibilities for the full period of the appointment. For these appointments a waiver of fees is provided only for those terms included within the appointments (i.e., a waiver of fees for the Summer term requires an appointment which encompasses the Summer term in its entirety.) In some situations, a graduate assistant may be appointed for a period shorter than a year (e.g., a semester).

Graduate assistants who are performing satisfactorily are normally reappointed up to the maximum time limit as stated below. In situations where the demands of the department do not call for a job to be continued, reappointment may not be made. In cases where a department has a rotational plan for assistantships, graduate assistants likewise may not be reappointed.

In all cases of appointment and reappointment, the supervisor is responsible for notifying the graduate assistant as early as possible. When an assistantship is not to be renewed, the graduate student should be notified in advance. In most cases, this notice must be given no later than one month prior to the end of the appointment. Specific reasons for not renewing the contract should be given (e.g., discontinuation of the program or grant, significant neglect of duty, unsatisfactory academic performance or progress toward a degree, non-compliance with university policies, etc.).

In cases where an assistantship is for one year only, the student should be told this at the time of appointment. In some circumstances, graduate assistants may be given a conditional appointment such as an appointment in which funding of a grant is pending.

The maximum number of years that a graduate assistant can be appointed to an assistantship is three years as a master's student, five years as a doctoral student, or eight years in doctoral programs in which students enter with a baccalaureate degree only. Some units may have maximum time limits that are less than those stated above. Requests for an extension beyond the maximum term here specified must be made in writing by the academic unit to the Dean of the Graduate School.

5. As students, graduate assistants' rights and responsibilities are defined in the Faculty Handbook section on Student Rights and Responsibilities and the Student Rights and Responsibilities section of Hilltopics. Additional rights and responsibilities of graduate students are found on the student's copy of the admission status form.

**Evaluation/Supervision of Graduate Assistants**

Departments employing graduate assistants will conduct an annual evaluation of each assistant. The results of the evaluation are made available to the assistant and placed in the student's academic file.

Appropriate follow-up also should occur. The evaluation, review with the assistant, and follow-up should focus not only on assistant-related work being done but should be preparatory for future employment, thus providing professional growth. In most cases, a graduate assistant's supervisor shares results of the evaluation with the assistant and takes appropriate follow-up action.

In cases where corrective measures must be taken to remediate deficiencies, the graduate assistant should be notified in writing of recommended action to solve the problem(s). Situations leading to dismissal for cause must be described in writing to the assistant being dismissed. This letter should be written by the supervisor with a copy to the department head. In cases where the assistant feels that university-related factors (facilities, working conditions, improper supervision, etc.) have had negative effects on specific aspects of job performance, a letter to the supervisor would be appropriate.

The immediate supervisor for each graduate assistant is to be identified as early as possible, usually no later than four weeks prior to the commencement of the assistantship. If there will be more than one supervisor per graduate assistant, the specific tasks to be performed for each and the role each supervisor will play (e.g., which one will initiate the evaluation process) should be identified.

The chain of command within each department should be clearly indicated to graduate assistants. Thus, each graduate assistant should know that the immediate supervisor is the person to whom first contact is to be made in job-related questions/directions; followed in turn by a general departmental/school advisor of graduate assistants (where one exists), the appropriate project director, department head, dean of the college, and Graduate School officials.

**Orientation/Training of Graduate Teaching Assistants and Graduate Teaching Associates**

There must be a thorough, systematic plan of orientation and training of all Graduate Teaching Assistants and Graduate Teaching Associates. Such orientation and training may be done at either the department, college, or university level. It is the responsibility of each supervisor to see that his/her graduate assistant is provided appropriate orientation/training.

There are several kinds of training that should occur beyond the initial orientation/training. Such training is usually specific to a particular job function. The Graduate School provides a seminar for Graduate Teaching Assistants and Graduate Teaching Associates who will be teaching at the University of Tennessee. Presented in several formats, this seminar includes attention to styles of learning and other student characteristics, communicating in the classroom, leading discussions, lecturing, directing laboratory work, using media and computers, designing syllabi, constructing and using tests, grading, evaluating courses and instructors, and similar topics. Special programs are offered for international GTAs. Supervisors of GTAs are responsible for notifying them about departmental and college policies on attendance at these programs.

The Graduate School also offers the GTA Mentoring Program, "Developing Future Faculty as Teacher-Scholars," which is a year-long program of workshops, team meetings, and other activities to support the professional development of UT GTAs.

**Accepting/Declining an Assistantship**

The University of Tennessee adheres to the following resolution by the Council of Graduate Schools:

Acceptance of an offer of financial aid (such as graduate scholarship, fellowship, traineeship, or assistantship) for the next academic year by an entering or prospective graduate student completes an agreement which both student and graduate school expect to honor. In those instances in which the student accepts the offer before April 15, and subsequently desires to withdraw, the student may submit in writing a resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organizations subscribing to the above Resolution that a copy of this Resolution should accompany every scholarship, fellowship, traineeship, and assistantship offer.

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**Student Services**

**Black Cultural Center**

The Center is an integral part of The University of Tennessee. The Center provides academic, cultural and social outlets through programming and services as an ongoing part of the University's retention efforts. The Tutorial and Early Alert Programs, along with the Resource Library and Computer Lab, serve as an extension to services provided across campus. The Center houses several student organizations that plan activities ranging from Brown Bag Lecture Series, Black History Month activities, the Welcome Week Splash Party, carnivals and renown speakers such as
Career Services

Career Services, located in Dunford Hall, 974-5435, is a university-wide department providing career-related assistance to UT students through a wide range of programs and services. Included in the services offered are two annual career fairs providing opportunities to speak informally with representatives from over 100 different companies about their entry level jobs and hiring practices; a nonprofit career fair involving representatives from numerous area nonprofit organizations; 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; a website including valuable links to dozens of other career-related web resources; a part-time employment service for students seeking such positions; and workshops providing instruction in skills and tactics for successful interviewing, resume preparation, business and dining etiquette, and other topics.

On-campus interviews are scheduled during the year, and require registration via a web-based resume system. Thousands of interviews are scheduled each year which include approximately 500 companies, government agencies and school systems. Interviews are scheduled by registrants on the web. Many job listings are also available from the department’s website. Career Services also administers a Credentials Service for doctoral candidates. Setting up a credential file is a simple process involving the submission of a resume and academic transcript, along with letters of recommendation. An alumni placement service offers assistance in the job search after graduation. Also thousands of resumes are referred directly to employers every year to assist students and recent alumni in their job-seeking activity. A web-based resume book is made available to employers.

Career Services registrants have access to video conference interviewing, resume access via the World Wide Web, and other state-of-the-art forms of placement assistance.

Center for International Education

The Center for International Education (CIE), 1620 Melrose Avenue, telephone 974-3177, promotes and supports all aspects of international education and international exchange at UT, both for American students and faculty and for students from other countries. The administration of official linkage agreements between UT and institutions of higher education in other countries is coordinated by CIE.

American students: CIE provides information and advice about study-abroad options open to UT students, including the exchange programs it administers between UT and universities in thirty countries on six continents. CIE coordinates campus administration of such international grants and scholarships for students as the Fulbright, Rhodes, and Marshall programs, and provides information about other sources of funding for overseas study and research, including the Rotary Foundation, St. Andrews, and German Academic Exchange Service (DAAD) grants. Within its library on study, work and travel abroad, CIE has information on student summer job programs in nine countries.

International students and scholars: CIE provides information and assistance in matters relating to United States visa regulations, to UT requirements for international students, and to UT academic policies and registration procedures. It publishes The Link, a newsletter for UT’s international students and scholars, and administers the insurance policy required of all international students at the University. International student advisors are available to discuss academic and personal concerns.

Orientation programs conducted at the beginning of each term facilitate adjustment to the campus and community, as does the international student orientation campus trip prior to the fall term. The International House, 1623 Melrose Avenue, is CIE’s on-campus social, recreational, and programming center that serves as a meeting place for international and U.S. students, faculty and staff.

International students seeking admission to UT should write directly to the Office of Graduate Admissions and Records.

Child Care

The Child Development Laboratories, operated by the Child and Family Studies department within the College of Human Ecology, currently offer child care programs for young children ages six weeks to five years. The Child Development Laboratories are accredited by the National Academy of Early Childhood Programs, a division of the National Association for the Education of Young Children. For application and enrollment information, call (865) 974-0643.

The UT Child Care Referral Center, (865) 974-8911, offers free assistance in finding state-licensed child care in a 15-country area surrounding Knoxville.

Dining Services

UT Dining Services recognizes that campus dining is a large part of the college experience. Students have the choice of the following meal plan options depending on the type of dining desired. Meal plans are available to all students living on or off campus.

UNLIMITED ACCESS PLUS PLAN*

Unlimited Access means just that! Students may enter recently renovated Presidential Court, Sophie’s Place, and Morrill dining facilities anytime during their hours of operation and eat as much as they want, full meals or snacks. Meal plan meals may also be eaten at select retail dining facilities. Certain restrictions apply at these locations. Students also receive $300 bonus bucks per semester.

THE ANY TEN PLUS PLAN*

Students choose 10 meals weekly that may be eaten at recently renovated Presidential Court, Sophie’s Place, and Morrill dining facilities. Meal plan meals may also be eaten at select retail dining facilities. Certain restrictions apply at these locations. Students also receive $500 bonus bucks per semester.

UNLIMITED ACCESS PLAN

This plan still allows students to eat as much as they want as often as they like at recently renovated Presidential Court, Sophie’s Place, and Morrill dining facilities. Meal plan meals may also be eaten at select retail dining facilities. Certain restrictions apply at these locations. Students also receive $100 bonus bucks per semester.

THE ANY TEN PLAN

Students choose any 10 meals weekly to be eaten at recently renovated Presidential Court, Sophie’s Place, and Morrill dining facilities. Meal plan meals may also be eaten at select retail dining facilities. Certain restrictions apply at these locations. Students receive $300 bonus bucks per semester.

With the Any Ten Plus Plan, students can elect to eat all 10 meals exclusively at Varsity Inn Dining. If students designate to eat 10 meals only at Varsity Inn Dining, the bonus bucks are available for use at any Dining Services’ facility on campus.

THE VARSITY INN FIFTEEN PLAN*

Fifteen meals per week are provided to be eaten exclusively at Varsity Inn Dining. These 15 meals include breakfast, lunch, and dinner, Monday through Friday. Bonus bucks are not included with the Varsity Inn Fifteen Plan.

*Rates subject to final University approval.

**Local sales tax is added to the price of off-campus meal plans.

*Meal plan contract covers the entire academic year (i.e. fall and spring semesters). Meal plan is not valid between semesters and during Spring Break.

*Meal week begins on Monday and ends on Sunday.

*Bonus bucks may be used whenever students choose any Dining Services’ facility on campus, including convenience stores. Unused bonus bucks are forfeited at the end of the semester.

*The AllStar Account and The Diner’s Club may also be used in Dining Services’
Disability Services

Disability Services (DS) seeks to eliminate the barriers that students with disabilities encounter and to work with them to achieve and maintain individual autonomy. The program's primary objective is to provide these students with access to the academic, social, cultural, and recreational opportunities of the University.

Prospective students are encouraged to contact DS personnel so that they can be assured that the campus facilities and services are adequate to meet their needs. The staff can be of service to the students to the extent that their individual needs are made known. Contact with the students prior to registration enables DS staff to better access the need for interpreters, readers, accessible facilities, and other support services. When sending documentation to establish contact with Disability Services, students should include an address, fax or telephone number. Van service is also provided to those individuals with mobility limitations, whether permanent or temporary. Documentation of disability from an attending physician or the Student Health Center is required.

Participation in the services program is on a voluntary basis; confidentiality is maintained. Faculty, staff and students desiring any services are encouraged to contact the Office of Disability Services so that necessary arrangements can be made. The office is located at 191 Hoskins Library. V/TDD (865) 974-6087.

Graduate Student Association

As one of the five branches of the Student Government Association, the Graduate Student Association represents the interests of graduate and professional students and provides opportunities for their participation in the organization of graduate study at UT. Officers and representatives from each college or professional school are elected each spring term during general campus SGA elections. Offices of the GSA are located in room 342 University Center. For more information, stop by the office or call (865) 974-2377.

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 speech and language disorders or differences and/or hearing disorders. Services are available to any student who has paid the full University Programs and Services Fee or, if part-time, any student who has paid the optional student health service fee.

The Center serves as a clinical observation and education facility for students majoring in Speech-Language Pathology or Audiology. It also serves as a community hearing and speech center providing diagnostic and treatment services for persons of all ages exhibiting communication disorders/differences.

Housing

UNIVERSITY APARTMENTS

The University has provided excellent apartment facilities in several locations for married students with or without families. Apartments not needed to house married students are made available to single graduate and professional students. Information and application for these facilities may be secured from the Department of University Housing, 405 Student Services Building.

RESIDENCE HALLS

The Department of University Housing provides housing on-campus for single graduate students. Graduate students are given the same priority for housing in residence halls as undergraduate students. All of the residence halls are conducive to academic achievement and personal development. However, many graduate students choose to live in Melrose or the Apartment Residence Halls, since they remain open between the Fall and Spring semesters. Melrose Hall is arranged into smaller communities of six to ten students with personal responsibility emphasized. The Apartment Residence Hall provides apartment-style living for four students. An attempt is made to assign graduate students together to the extent possible. It is the responsibility of each resident to maintain the apartment to University standards. Applications and further information can be obtained from the Department of University Housing, 405 Student Services Building.

A limited number of Assistant Hall Director positions are available for single graduate students. This position assists the Hall Director in coordinating and supervising all aspects of the hall operation. This is a live-in position with part-time responsibilities for a nine-and-a-half month period. For additional information, contact the Department of University Housing at 974-2571.

OFF-CAMPUS HOUSING

A list of off-campus housing available to students is provided by the Department of University Housing. The University does not inspect or approve these facilities. The terms and conditions for the rental of off-campus housing are between the student and the landlord. Students living in off-campus housing are expected to observe the same rules of conduct and standards applicable to all students.

Minority Student Affairs

The Office of Minority Student Affairs is housed in a four-story, free standing structure—the Black Cultural Center. The office serves as a link between the University and its minority student population. The Office, located at 812 Volunteer Boulevard, provides academic, educational, social and cultural programs to assist with the academic performance and retention of African-American students. Programming through the Office includes mentorship programs for freshmen and upperclassmen, academic support, leadership opportunities, graduate networking, and workshops for all students on a variety of academic, intellectual, and social topics. Through the Office, students learn to share ideas and embrace a sense of community.

Religious Resources

The University, established by a government that recognized no distinction among religious beliefs, seeks to promote no creed nor to exclude any. However, it will always be diligent in promoting the spiritual life of its students in part through its work with the Campus Ministers Council.

Student Counseling Services Center

The Student Counseling Services Center (SCSC) provides services designed to help students with educational, vocational, personal, and social problems. Professional counselors work with students in a setting that allows for confidential discussion of concerns. Services include: crisis intervention, group therapy, individual therapy, academic classes, consultation with faculty/staff/students, and various workshops and presentations.

To access services, students may come to the center during walk-in hours Monday-Friday from 10:00-11:30 a.m. and 1:00-3:30 p.m. If schedules will not accommodate these terms, students can call the Center to schedule some other time. Anyone experiencing a crisis during the week is seen immediately between 8:00 a.m. and 5:00 p.m. After these hours, students are encouraged to go to the UT Medical Center emergency room.

The Center is located at 900 Volunteer Blvd. and can be reached at 974-2196 or see our web page at http://web.utk.edu/~counsel/.

Student Health Service

Health services provided by the University are available to any student who has paid the health fee (either through paying the full University Programs and Services Fee or, if taking fewer than 9 hours but at least 3 hours, paying the optional health fee). These outpatient services are available continually throughout every term.
The Health Service has a regular staff of primary care physicians, nurses, laboratory and x-ray technicians of Tennessee licensure. Outpatient services in the fields of family practice, internal medicine, pediatrics, sports medicine and psychiatry are available on a full-time basis while specialty consultants in dermatology, surgery and gynecology are available on campus through referral by a staff physician. Care beyond that provided by the regular staff can be arranged. Those students requiring allergy injections may arrange to receive them at the Clinic.

Students traveling abroad may receive information, health alerts, and immunizations through the Travel Clinic (974-8647).

Most all medical services at the campus clinic are provided to eligible students at no additional cost.

The primary clinic at 1818 Andy Holt Avenue maintains scheduled daytime hours Monday through Friday. While urgent-care needs may be handled on a walk-in basis, appointments should be made in most instances (appointment line: 974-3648). After-hours care (nights, weekends, and holidays) is available through the emergency room at the University of Tennessee Memorial Hospital; insurance reimbursement is accepted as payment in full for all services except inpatient care and specialty consultation. Transportation service for the campus is provided by the Campus Police and the Escort Van Service.

The State of Tennessee requires that all students born after 1 January 1957 must provide proof of immunization with two doses of Measles, Mumps and Rubella vaccine for attendance to all universities and colleges. This documentation must be provided to the Student Health Service. In addition, the University of Tennessee Student Health Service recommends that entering college students assure immunity to Tetanus/Diphtheria, Polio, Hepatitis B, and Chicken Pox. The American College Health Association recommended that students, particularly freshmen living on campus, consider receiving meningitis immunizations.

Students requiring hospitalization are generally admitted by an appropriate specialist to the University of Tennessee Memorial Hospital; insurance reimbursement is accepted as payment in full for all services except inpatient care and specialty consultation. Transportation service for the campus is provided by the Campus Police and the Escort Van Service. The Women's Center provides essential informational and referral services to UT students and faculty. The library's specialized collection provides books, journals, and brochures about issues and concerns of women from both a current and historical perspective. Information is available on a variety of topics including racism, violence against women, spirituality, and sex roles. The Women's Coordinating Council is the programming branch of the Center responsible for educational, social, and cultural events pertaining to women's issues. The Women's Center is located in 301 University Center. If you need more information or are interested in volunteering, please call 974-1029.
COLLEGES
Colleges
The College of Agricultural Sciences and Natural Resources began in 1869 when the University was designated as Tennessee's Federal Land-Grant Institution. As such, the University was enabled for the first time to offer instruction in agriculture. Graduate instruction began as early as 1889. The College is not only an academic unit of The University of Tennessee but is (with the Agricultural Experiment Station, the Agricultural Extension Service and the College of Veterinary Medicine) one of the four administrative units of The University of Tennessee's 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 Agricultural Sciences and Natural Resources hold joint appointments in the Agricultural Experiment Station and are actively involved in significant basic and applied research in agriculture and the associated natural resources. On campus and field research laboratories are utilized in the instructional programs of the College, extension and research activities provide many students excellent part-time job opportunities. Very significant is the fact that the Agricultural Experiment Station provides more than 100 graduate research assistantships to support graduate students.

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

Graduate programs of the College of Agricultural Sciences and Natural Resources are designed to prepare men and women for positions of leadership in industry, state and federal government, teaching, research, and extension.

The graduate student is expected to demonstrate a thorough knowledge of the subject matter in his/her specialized field of study and its relationship to the sociological, economic, and environmental impact on society. The student must demonstrate the ability to plan, conduct, analyze, and report original research. Emphasis is given to intellectual growth and the development of scholarly habits of study, reasoning and analysis so that the graduate will continue to grow and develop professionally throughout his/her career.

MASTER OF SCIENCE PROGRAMS

Programs of graduate study leading to the Master of Science degree are offered through all departments in the College of Agricultural Sciences and Natural Resources. The graduate program may be entirely in one major subject or may include subject matter areas related to the major.

Both majors and minors are available in Agricultural Economics, Agricultural and Extension Education, Food Science and Technology, Ornamental Horticulture and Landscape Design, Plant and Soil Science. Majors only are available in Forestry and Wildlife and Fisheries Science, and minors are available in General Agriculture and Rural Sociology.

The minor in General Agriculture requires 12 hours of coursework. A complete listing of majors is shown on the Majors and Degree Programs Chart.

DOCTORAL PROGRAMS

Graduate study leading to the Doctor of Philosophy degree in Animal Science, Biosystems Engineering, Food Science and Technology, and Plant and Soil Science is offered in the college.

The College of Architecture and Design is committed to preparing students to work with the design or management of our built environment.

Most states require that an individual intending to become an architect hold an accredited degree. There are two types of degrees that are accredited by the National Architectural Accrediting Board: (1) The Bachelor of Architecture, which requires a minimum of five years of study, and (2) The Master of Architecture, which requires a minimum of three years of study following an unrelated bachelor's degree or two years following a related preprofessional bachelor's degree. These professional degrees are structured to educate those who aspire to registration/licensure as architects.

The UT School of Architecture offers a program of professional studies which prepares its graduates for the practice of architecture. This is accomplished through a
five-year Bachelor of Architecture degree program or through the Master of Architecture degree program for students already having a baccalaureate degree.

The College of Arts and Sciences

Lorayne Lester, Dean
Ann Mayhew, Associate Dean
Stuart Rigley, Associate Dean
Otis Stephens, Associate Dean

Departments
- Anthropology
- Art
- Audiology and Speech Pathology
- Biochemistry and Cellular and Molecular Biology
- Botany
- Chemistry
- Classics
- Computer Science
- Ecology and Evolutionary Biology
- English
- Geography
- Geological Sciences
- History
- Life Sciences
- Mathematics
- Microbiology
- Modern Foreign Languages and Literatures
- Music
- Philosophy
- Physics and Astronomy
- Planning
- Political Science
- Psychology
- Religious Studies
- Sociology
- Theatre

Facilities for Research and Service
- Center for Applied and Professional Ethics
- Center for Environmental Biotechnology
- Center for Psychoanalysis and the Humanities
- Center for Quaternary Studies of the Southeastern U.S.
- Center for the Study of War and Society
- Child Behavior Institute
- Forensic Anthropology Center
- Hearing and Speech Center
- Institute for Applied Microbiology
- Institute for Resonance Ionization Spectroscopy
- Joint Institute for Heavy Ion Research
- Psychological Clinic
- Science Alliance
- Social Science Research Institute

The University of Tennessee began as a liberal arts institution. Before the turn of the century, less emphasis was placed on the liberal education. However, the liberal arts continued to thrive, emerging as a college in 1904. Thus, the College of Liberal Arts (now known as the College of Arts and Sciences) is one of the oldest established colleges in the University.

The College of Arts and Sciences consists of a wide array of academic disciplines and interdisciplinary programs. The central purposes of a liberal education include the encouragement of intellectual tolerance, a dedication to the quest for knowledge as a worthwhile goal in and of itself, and the cultivation of a responsible, creative individual mind. These qualities enable one to develop an ability to reason and to express oneself clearly, an incentive to absorb emerging knowledge, and a competence to confront the uncertainties of human experience. Faculty research and creative activity is the foundation on which education in this College is built. As a result of that endeavor, the lives of students are enriched and the world's body of knowledge grows.

The College of Arts and Sciences offers programs in twenty-seven academic disciplines leading to eight advanced degrees: M.A., M.S., M.F.A., M.Math, M.Music, M.P.A., M.S.P., and Ph.D. See the Majors and Degree Programs chart for specific majors and degrees.

GENERAL INFORMATION

Foreign Study Courses
Foreign study courses offered in some departments of the college provide an opportunity to undertake independent study outside the United States. Prior to departure the student must have a plan of study approved by the department head and a supervising faculty member of the department concerned. Credit will be given only upon fulfilling all requirements set by the department and may vary from 1-15 hours. The maximum credit that may be applied toward a degree in the college is established in each individual case by the department in which the student is working.

Off-Campus Study
Recognizing that learning is not restricted to formal classroom situations, the college allows students to earn credit toward graduation for approved off-campus study. Such study may be undertaken only with prior approval of the faculty member and the department concerned. It may include certain kinds of work experiences, community involvement, or political campaigns. Credit per semester will vary from 1-15 hours. The maximum credit that may be applied toward a degree in the college is established in each individual case by the department in which the student is working.

Independent Study
Certain educational goals may best be met through independent study by an individual under the direction of a faculty member. Students who wish to do such independent work should obtain the approval of the faculty member and the departments concerned prior to embarking upon their study. Credit per semester will vary from 1-15 hours. The maximum credit which may be applied toward a degree in the college is established in each individual case by the department in which the student is working.

The College of Business Administration was originally the School of Commerce, dating back to 1919. Commerce was changed to Business in 1937 and gained college status in 1947. The college-wide MBA program was approved in 1966 and the doctoral program in 1971. Graduate programs of the College of Business Administration are designed to prepare men and women to assume positions in the increasingly complex world of business and industry, teaching and research, and government.

Viewing the business firm as operating in dynamic social, political, and economic environments that demand leaders capable of dealing with innovation and rapid change, the College places central importance on development of students' thought processes and leadership potential. Emphasis is focused on flexibility of mind, receptivity to new ideas, and capacity to adapt one's reasoning powers. Our objective is to encourage the student to develop the ability to reason analytically and logically, and to develop a commensurate plan of action. Above all else, we strive to instill the irresistible desire to continue to learn and grow in knowledge throughout the student's life.

The College of Business Administration has made a commitment to total quality management by integrating the principles of productivity through quality and statistical process control throughout the graduate curriculum. Interdisciplinary partnerships are encouraged among academic units in the College, with other University academic units and with the private sector, enhancing the process of inquiry and critical thinking which is crucial to total quality management.

The College of Business Administration is fully accredited by the American Assembly of Collegiates Schools of Business and is
associated with other leading graduate schools of business as a member of the Graduate Management Admission Council.

GRADUATE PROGRAMS

The College of Business Administration offers programs leading to five advanced degrees: the Doctor of Philosophy with majors in Business Administration, Economics, Industrial and Organizational Psychology, and Management Science; the Master of Arts with a major in Economics; the Master of Science with majors in Management Science and Statistics; the Master of Accountancy; and the Master of Business Administration.

The two College-wide programs, the MBA and the Ph.D. in Business Administration, are described in Business Administration, Fields of Instruction. Descriptions of other degree programs are under the appropriate departmental or program headings.

FINANCIAL ASSISTANCE

A limited number of teaching and other assistantships that require from 10 to 20 hours of service per week are available through the departments of the College. Remuneration includes remission of fees and tuition as well as a monthly stipend. Awards are generally made on the basis of scholarship and performance on the appropriate (GMAT or GRE) admission test. Application forms may be obtained in any of the departments. Information on College-administered fellowships is available from the appropriate department or office.

Applications must be received by March 1 for consideration of assistantships and fellowships to be awarded for the following fall term.

College of Communications

Dwight L. Teeter, Jr., Dean
C. Edward Caudill, Associate Dean for Graduate Studies
Eric Haley, Associate Dean for Undergraduate Studies

Departments and Schools
Advertising
Broadcasting
Journalism
Speech Communication

Facility for Research and Service
Communications Research Center (CRC)

The College of Communications grew out of the School of Journalism, which was originally located in the College of Business Administration. The Department of Speech Communication became part of the College of Communications in 1997. The master’s program began in 1968 under Journalism and was changed to Communications after the School gained college status in 1970. The doctoral program was initiated in 1974.

A chair of excellence was established in 1987 to support a distinguished professorship in science, technology, and medical writing.

Communications media and interpersonal communications are vital forces in today’s complex society. Specialization, gaps among segments of society, and the nature of world conflicts point to the need for more understanding of how people communicate.

Educating men and women in the perceptive understanding of the communications field is a necessity. The graduate programs in the College acquaint students with the nature of communications and prepare them for professional work in many fields.

The College of Communications offers the Master of Science and the Doctor of Philosophy degrees with a major in Communications.

In addition, Communications is available as a minor for students majoring in other departments. Required coursework will be selected after discussion with the major advisor and an advisor from the College of Communications.

The M.S. program is accredited by the Accrediting Council on Education in Journalism and Mass Communication. The College is a member of the Association of Schools of Journalism and Mass Communication and the Broadcast Education Association.

Applications must be received by March 1 for consideration of assistantships and fellowships to be awarded for the following fall term.

College of Education

C. Glennon Rowell, Dean
Thomas W. George, Associate Dean for Academic Programs and Administration
Lynn C. Cagle, Interim Associate Dean for Professional Licensure Programs, Instructional Support and Faculty Development

Departments
Counseling, Deafness and Human Services
Educational Administration and Cultural Studies
Educational Psychology
Exercise Science and Sport Management
Instructional Technology, Curriculum and Evaluation
Theory and Practice in Teacher Education

Facilities for Research and Service
Bureau of Evaluation, Research, and Service
Center for Literacy Studies
Center for Physical Activity and Health
Curriculum Lab
Exercise Physiology Lab/Biomechanics Lab
Institute for Assessment and Evaluation
Institutional Services Center
Reading Center
Tennessee Internship Consortium in Professional Psychology

Education programs were first offered at the graduate level in 1905 by the School of Education. Through the Summer School of the South, the programs thrived, and the School became a College in 1926. The Ed.D. program was established in 1950, and the college-wide Ph.D. program began in 1979.

The College of Education, as a professional school, promotes critical inquiry, reflection, and social action through interdisciplinary studies. Its graduates are prepared to work in a changing, multicultural world in leadership roles in educational programs and institutions, health and social institutions, and private and corporate sectors. The College is committed to providing lifelong learning for both faculty and students by promoting courses of study that involve students and faculty in academic peer relationships that stress shared responsibility for learning and for the discovery of new knowledge.

The faculty is committed to research, scholarship, and creative work that results in superior teaching and service to the community and to the professions. The College is committed to work towards equity and economic and social justice within the University community and throughout the broader society.

The College of Education is fully accredited by the Southern Association of Colleges and Schools. All teacher education and school-related licensure and degree programs are fully accredited by the National Council for Accreditation of Teacher Education (NCATE) and the Tennessee State Department of Education. Specific program accreditations are found under the respective Fields of Instruction.

MASTER OF SCIENCE PROGRAMS

On the master’s level, professional study may be planned (1) in one of the areas listed on the Majors and Degree Programs chart, (2) in appropriate combinations of these areas, or (3) in combinations of one or more of these areas with appropriate subjects or areas in other colleges.

Students in the College of Education’s Track 2 master's programs (i.e., five-year teacher preparatory programs) must gain admission to The Graduate School before enrolling in internship.

Degree program requirements are described under Education, Fields of Instruction.

SPECIALIST IN EDUCATION PROGRAM

The College of Education offers a program leading to the Specialist in Education with a major in Education.

Degree program requirements are described under Education, Fields of Instruction.

DOCTORAL PROGRAMS

The College of Education offers programs of advanced study leading to the Doctor of Education and the Doctor of Philosophy, both with a major in Education.

Degree program requirements are described under Education, Fields of Instruction.
College of Engineering

Jerry E. Stoneking, Dean
Fred Gilliam, Associate Dean, Academic Affairs
Fred D. Tompkins, Associate Dean, Administration

Departments
- Chemical Engineering
- Civil and Environmental Engineering
- Electrical and Computer Engineering
- Industrial Engineering
- Materials Science and Engineering
- Mechanical and Aerospace Engineering
- and Engineering Science
- Nuclear Engineering

Facilities for Research and Service
- Measurement and Control Engineering Center
- Center of Excellence for Materials Processing
- Maintenance and Reliability Center

The College has its beginnings in the University when surveying was introduced into the curriculum in 1838. The first two professional degrees, Civil Engineering and Mining Engineering, were established in 1879 at the same time that the Board of Trustees authorized the establishment of a graduate school. Known as Mechanical Arts originally, Engineering became a college in 1904.

The purpose of the College of Engineering is to educate men and women to the highest levels of research, technical competence, and social understanding that will enable them to fulfill their responsibilities as professional engineers.

Graduate programs of the College of Engineering provide opportunities for advanced study leading to the Master of Science and the Doctor of Philosophy degrees. For a listing, consult majors and degrees available on the Majors and Degree Programs chart.

GRADUATE PROGRAM AT THE UT SPACE INSTITUTE

At the University of Tennessee Space Institute near Tullahoma, graduate-level courses are offered in engineering fields such as aerospace, chemical engineering, electrical engineering, engineering science, industrial engineering including engineering management, mechanical engineering, metallurgical engineering, and mathematics and physics. All programs lead to the Master of Science degree. Also, Ph.D. programs are available in many of these fields. Information may be obtained from the Registrar, The University of Tennessee Space Institute, Tullahoma, TN 37388.

College of Human Ecology

James D. Moran III, Dean
Billie J. Collier, Associate Dean for Research and Graduate Studies
Deborah Smith, Assistant Dean for Outreach and Undergraduate Studies

Departments
- Child and Family Studies
- Consumer and Industry Services
- Management
- Health and Safety Sciences
- Human Resource Development
- Nutrition

Facilities for Research and Service
- Center of Excellence for Materials Processing
- Child Development Laboratories
- Nutrition Institute
- Small Animal Research Laboratory
- Textiles and Nonwovens Development Center
- Tourism Institute

Human Ecology brings together the natural and social sciences to enhance the well-being of individuals, families, and communities across the life span.

The University of Tennessee was one of the first institutions of higher education in the South to offer home economics, with the first class being offered in 1897. Initially called a School of Home Economics, it combined with Agriculture in 1947 to become the College of Agriculture and Home Economics. In 1959, the two colleges became separate units, although they continue to share resources. In 1985 the name was changed to Human Ecology, reflecting its focus on people interacting with their environments.

Graduate study in Human Ecology prepares the student for teaching, research, and public service in colleges and universities or managerial positions in government, business, and industry.

The Master of Science degree is offered with majors in Child and Family Studies, Health Promotion and Health Education, Human Resource Development, Nutrition (including public health nutrition), Recreation, Tourism and Hospitality Management, Safety Education and Service, and Textiles, Retailing and Consumer Sciences; the Master of Public Health degree is offered with a major in Public Health; and the Doctor of Philosophy degree is offered with a major in Human Ecology and concentrations in child and family studies, community health, human resource development, nutrition science, retail and consumer sciences, and textile science. For additional information, contact the Associate Dean, College of Human Ecology, The University of Tennessee, Knoxville, TN 37996-1900, (865) 974-5224.

FACILITIES FOR RESEARCH AND SERVICE

The Small Animal Research Lab, housed in the Jessie Harris Building, has received certification by the American Association for Accreditation of Laboratory Animal Care (AAALAC). Renovated in 1985, it has strict environmental controls, an operating theater and diet preparation room.

The College of Human Ecology participates with the College of Engineering in the Center of Excellence for Materials Processing. These research efforts in Textile Science are also supported by the Textiles and Nonwovens Development Center (TANDEC). The Child Development Laboratory (CDL) serves as a research and training facility for students in the College.

The mission of the Institute of Tourism and Leisure Industries is to serve as a catalyst for stimulating economic growth by providing a medium through which tourism and leisure industries can collectively develop and focus on strategies that will address how to improve the economic climate and overall quality of life in the region.

The Nutrition Institute provides a communication link for all efforts in nutrition sciences, coordinates collaborative research efforts and provides a forum for interchange with the larger nutrition community.

Refer to the section on Facilities for Research and Service for additional information.

College of Law

Thomas C. Gallihan, Jr., Dean
John L. Sobieski, Jr., Associate Dean
Rachel E. Inman, Assistant Dean

The University of Tennessee College of Law commenced operation in 1890 and has continuously sought to provide high-quality legal education in a university community.

While the principal objective of the college is to prepare students for the private practice of law, its total mission is more broadly conceived. The college exposes students to the legal issues of our society enabling them to develop analytical skills with respect to decisional law and statutes, the ability to communicate effectively the knowledge of the law, an awareness of the historical growth of the law, a knowledgeable appreciation of the interrelationship of law and society, and the ability to use law as an implement of societal control and development.

Students are thus equipped to serve their communities not only as advocates and counselors, but as policy makers and active, responsible citizens.

THE PROFESSIONAL PROGRAM

The program of the college has three dimensions: teaching and learning, research into and appraisal of our legal systems and institutions, and service to the community. Each plays a significant role in the college as a modern law center.

The teaching and learning element of legal education at the college involves a cooperative classroom interaction between faculty and students in the analytical study of a host of questions and problems found in today’s legal profession. These involve decisional law, statutory interpretation, administrative regulation, techniques of trial and appellate advocacy, and the roles and
responsibilities of the lawyer in advising and representing clients. While proper consideration is given to the problems of Tennessee law, the course of study is conducted with a view toward providing an awareness and understanding of the regional and national perspective to prepare students for service in any state.

The college is also directly involved in providing service to the community. A major element of public service is centered in the Legal Clinic where students, under the guidance of skilled and experienced licensed practitioners, provide legal services to clients. Additionally, through research, consultation, and other services to legal institutions and groups within the state, the college seeks to participate in the development and improvement of the society in which its students may eventually practice law.

In combination, the direction and objectives of the college lead to the development of a paralegal technician, and of a student of the law with the perspective, breadth, and understanding necessary to accomplish the many tasks assigned by society to the legal profession.

**GRADUATE PROGRAM**

Two dual degree programs are available in conjunction with the College of Law: the J.D.-MBA program with the College of Business Administration and the J.D.-M.P.A. program with the Department of Political Science. Refer to details under the respective field of instruction.

Graduate students in other disciplines may also take law courses upon approval of the College of Law and the major professor. See Law under Fields of Instruction.

**College of Nursing**

Joan Creasia, Dean
Carol Seavor, Associate Dean for Academic Affairs
Maureen G. King, Associate Dean for Research and Evaluation
Martha Allgood, Director of Master's Program
Sandra P. Thomas, Director of Doctoral Program
Johane Mozingo, Director of Undergraduate Program

Facilities for Research and Service
Center for Nursing Practice
Center for Nursing Research

The College of Nursing was established in July 1971. The master's program was initiated in 1976 and approval for the doctoral program was granted in 1988. More specific information about the programs may be obtained under Nursing, Fields of Instruction, or by contacting the Director of M.S.N. or Ph.D. Program, The University of Tennessee, College of Nursing, 1200 Volunteer Blvd., Knoxville, TN 37996-4110, (865) 974-4150.

**MASTER OF SCIENCE IN NURSING**

The general purpose of the M.S.N. program is to prepare nurses at the graduate level to function as advanced practitioners, teachers, or managers in a variety of health care or educational settings. The program is accredited by the National League for Nursing Accrediting Commission that may be contacted at 61 Broadway, New York, NY 10006, Tel: 1-800-669-9656, and is unconditionally approved by the Tennessee Board of Nursing. Students admitted to the program select a concentration in adult health nursing, family nurse practitioner, mental health and mental health nursing, nursing administration, and nursing of women and children.

**THE DOCTORAL PROGRAM**

The College of Nursing offers a doctoral program leading to the Ph.D. with a major in Nursing. The doctoral program prepares nursing scholars capable of integrating research, theory, and practice into their roles as researchers, educators, and/or administrators. This unified program offered jointly with The University of Tennessee, Memphis College of Nursing enables students to complete all or part of the program at either site. The dissertation must be completed in its entirety at one site.

**College of Social Work**

Karen Sowers, Dean
William J. Bell, Associate Dean, Nashville
Judith Fierec, Associate Dean, Knoxville
Hugh Vaughn, Acting Associate Dean, Memphis
Paul M. Campbell, Director, Office of Social Work Research and Public Service
Charles Gilson, Director, Children's Mental Health Services Research Center

The College of Social Work began as the Nashville School of Social Work, founded in 1942 under the auspices of Vanderbilt University, Scarritt College, and George Peabody College. In 1951, by 1974 the three branches, located in Nashville, Memphis and Knoxville, offered the two-year master's program. The doctoral program was inaugurated in 1983. In 1985 the B.S.S.W. program was added, and the School achieved college status.

The University of Tennessee College of Social Work is the only graduate professional social work education program in Tennessee and offers the full curriculum of social work education degrees at the baccalaureate, master's, and doctoral levels.

Social work is a helping profession which focuses on providing skilled intervention in the prevention and amelioration of individual and societal problems. It is the purpose of the College to provide an education which fosters growth in both individual and career development.

**GRADUATE PROGRAMS**

The two-year program (thesis or non-thesis option) leading to the Master of Science in Social Work is fully accredited by the Council on Social Work Education and is offered on all three campuses. The foundation curriculum of the Ph.D. program is available only in Knoxville. A special bulletin describing facilities, admission, fees, and degree requirements is available from the College of Social Work, Henson Hall, Knoxville, TN 37996-3333, or at http://www.ucw.utk.edu.

**College of Veterinary Medicine**

Michael Shires, Dean
James J. Brace, Associate Dean

**Departments**

Comparative Medicine
Large Animal Clinical Sciences
Microbiology-Veterinary Medicine
Pathology
Small Animal Clinical Sciences

The College of Veterinary Medicine, established in 1974, offers a professional curriculum leading to the Doctor of Veterinary Medicine (D.V.M.) degree. The college offers graduate studies leading to the Master of Science and the Doctor of Philosophy degrees. Residency training programs in the various clinical specialties are also offered.

The primary objective of the college is to enable students to attain essential information, skills, attitudes, and behaviors to meet the varied needs of society and the veterinary profession. The professional curriculum provides an excellent basic science education in addition to training in diagnosis, disease prevention, medical treatment, and surgery. Graduates are qualified to pursue careers in many facets of veterinary medicine and related health professions.

About two-thirds of the veterinarians in the United States are engaged exclusively in pet or companion animal practice. A growing number are concerned with the health problems of zoo animals, laboratory animals, wildlife, and aquatic species. A number of veterinarians are involved in the health care of food and fiber animals ensuring the supply of safe and healthy food.

Veterinarians also find rewarding careers in the U.S. Public Health Service, the Armed Forces, and in state, county, or local health agencies. A number of veterinarians are employed by the U.S. Department of Agriculture and by state departments of agriculture for important work in livestock disease control, meat and poultry inspection, serum and vaccine production, and the protection of our country against the importation of foreign animal diseases.

Excellent research opportunities exist for veterinarians—research directly benefiting animals and research conducted with animals which benefit humans. Such opportunities are available at colleges and universities and with governmental agencies, private research institutions and biological and pharmaceutical companies.
FIELDS OF INSTRUCTION
Accounting and Business Law

College of Business Administration

MAJORS

Accounting ........................................... M.Acc.
Business Administration ......................... Ph.D.

Keith G. Stanga, Head

Professors:
Anderson, Kenneth E. (Distinguished Prof.), CPA, Ph.D............................... Indiana
Dittrich, Norman E. (Emeritus), CPA, Ph.D......................................... Ohio State
Fisher, Bruce D., LLM .... George Washington
Herring, Hartwell C., III, CPA, Ph.D .... Alabama
Kiger, Jack E. (Warren L. Slagle Prof. of Acct), CPA, Ph.D........................... Missouri
Reeve, James M. (Deloitte & Touche Prof.), CPA, Ph.D. ........................ Oklahoma State
Roth, Harold P., CPA, Ph.D............................... Louisiana State
Stanga, Keith G. (Arthur Andersen Prof.), CPA, Ph.D........................... Louisiana State
Williams, Jan R. (Ernst & Young Prof.), CPA, Ph.D................................ Arkansas

Associate Professors:
Carcello, Joseph V., CPA, Ph.D. Georgia State
Ray, Amy W., Ph.D. ......................................... VPI
Murphy, Daniel, CPA, Ph.D. ......... North Carolina
Posey, Imogene A. (Emeritus), CPA, M.S. ........................................ Tennessee
Townsend, Richard L., CPA, Ph.D. ..... Texas Woodroof, Jonathan B., CPA, Ph.D. ................................ Texas Tech

Assistant Professors:
Ayers, Susan, CPA, Ph.D. ........... Arizona State
Behn, Bruce K., CPA, Ph.D. .......... Arizona State
Norris, Kathleen B., Ph.D. .............. Oklahoma

THE MASTER OF ACCOUNTANCY PROGRAM

The objective of the M.Acc. program is to provide persons who have a high level of ability and motivation with the depth and understanding of accounting that will enhance their probability of success in a career in professional accounting. Moreover, the student's educational experience should develop perspectives toward the discipline of accounting in a manner that will enable the student to spearhead innovation and change in response to needs in public accounting, industry, and government.

UT's accounting undergraduate and graduate programs are accredited by the American Assembly of Collegiate Schools of Business and are among the initial programs in the nation to receive this accreditation.

Admission Requirements

Application deadlines for international students are: Fall and Summer, January 15. Application deadlines for U.S. citizens and permanent residents are: Fall and Summer, March 1. The program is designed both for students who have completed an accredited baccalaureate degree program with a major in Accounting and others. Those with outstanding undergraduate records in areas other than accounting may earn the M.Acc degree by completing prerequisites in accounting and by including courses in other business and related disciplines to supplement the applicant's undergraduate background. Students entering the program should be computer literate and are expected to have completed coursework in calculus, principles of accounting, and introductory economics.

In addition to the general admission requirements for The Graduate School, M.Acc. applicants are required to take the Graduate Management Admission Test (GMAT) and submit information on forms provided by the College of Business Administration. Applicants whose native language is not English must submit results of the Test of English as a Foreign Language (TOEFL).

Course Requirements

A student's program encompasses a minimum of 30 semester hours of graduate coursework. Specifically, the student must complete courses in accounting and other areas as indicated below. Each course is 3 semester hours of graduate credit.

A student with an undergraduate degree in accounting can usually complete the program in about eleven months. A student without an undergraduate accounting degree can usually complete the program in about fifteen months.

For students with an undergraduate accounting degree, the requirements are:

**Business Core (9 hours):** Business Administration 502-03; Business Law 511
**Accounting Core (9 hours):** 506-07
**Accounting Concentration (9 hours):**
1. **Financial/Auditing:** 415, 451, 514, 518, 519
2. **Systems:** 514, 541, 542, 549
3. **Taxation:** 531, 532, 533, 534, 539

Students must take at least three courses from the same concentration and one of the course numbers must end with 9.

**Accounting Electives (6 hours):**
Elective courses to be taken from graduate accounting courses.

For students without an undergraduate Accounting degree, the requirements are:

**Prerequisites:** 311, 341, 411, 414, and 431.
**Business Core (12 hours):** Business Administration 502-03; Business Law 511; and a non-accounting business elective to be approved by advisor.
**Accounting Core (9 hours):** 506-07, 521
**Accounting Concentration (9 hours):**
Three concentrations are available:
1. Financial/Auditing: 415, 451, 514, 518, 519
2. Systems: 514, 521, 541, 542, 549
3. Taxation: 531, 532, 533, 534, 539

Students must take at least three courses from the same concentration and one of the course numbers must end with 9.
Transfer Credits
A maximum of six semester hours taken at other AACSB accredited institutions that otherwise conform to the transfer policy of The Graduate School may be credited toward M.Acc. degree requirements.

Other Requirements
To qualify for the degree, a student must maintain a B average (3.0) or above in the program. The student must satisfactorily demonstrate his/her ability to recognize, analyze, and solve accounting policy problems and integrate concepts from the various areas of accounting by passing a comprehensive written examination. This examination is included in the capstone courses in each concentration as follows: 519, Seminar in Accounting and Auditing Policy; 536, Tax Policy; and 549, Systems Issues and Policies.

BUSINESS ADMINISTRATION CONCENTRATION
For complete listing of Ph.D. program requirements, see Business Administration.

Ph.D. Concentration: Accounting
This degree provides a research-oriented terminal qualification for those seeking entry-level faculty positions in accounting.

Minimum course requirements are 12 hours including 611, 612, 619, and one other accounting course to be approved by the Ph.D. accounting program advisor.

ACADEMIC STANDARDS
A graduate student in the College of Business Administration whose grade-point average falls below 3.0 will be placed on probation. A student on probation will be dropped from the program unless his/her cumulative grade-point average is 3.0 or higher at the end of the probationary period. The probationary period is defined as the next semester's coursework as established by the degree program for full-time students and the next two semesters' coursework as established by the degree program for part-time students.

ACADEMIC COMMON MARKET
An agreement among southern states for sharing graduate programs allows legal residents of some states to enroll in certain programs at UT on an in-state tuition basis. The M.Acc. program in Accounting is available to residents of the state of West Virginia. Additional information may be obtained from the Admissions Specialist in the Office of Graduate Admissions and Records.

Accounting

GRADUATE COURSES
415 Graduate and Nonprofit Accounting (3) Advanced study of governmental and nonprofit entities. Governmental accounting principles, revenues and expenditures, budgeting, and financial reporting. Accounting principles and reporting models of nonprofit organizations. Integration of economic and social issues with reporting standards for governmental and nonprofit organizations. Prerequisite: 531.

451 Operational Auditing and Consulting (3) Approaches to evaluate an entity's efficiency and effectiveness in a variety of settings and techniques used in consulting to provide entity competitive advantage.

502 Registration for Use of Facilities (3-15) For the student not otherwise registered during any semester who uses University facilities and/or facility time before degree is completed. May not be used toward degree requirements. May be repeated. S/NC only. E

506-07 Professional Accounting Practice I, II (3, 3) Various advanced financial reporting and auditing topics to meet complex and changing needs of professional. Prerequisite: Admission to M.Acc. program.

514 Information Systems Control and Auditing (3) Relationships between design of internal controls assess the effectiveness of internal control in make audit procedures and methods used in auditing computerized environments. Prerequisite: Admission to M.Acc. program.

518 Taxation of Business Entities (3) Review and analysis of tax principles and law pertaining to business entities. Corporations and partnerships. Tax planning strategies and techniques. Prerequisite: Admission to M.Acc. program.

519 Seminar in Accounting and Auditing Policy (3) Continuation of 518. Emerging professional accounting standards. Financial statement analysis, regulatory reporting and auditing and auditing problems of particular industries. Communication skills. Prerequisite: 518.

521 Seminar in Advanced Material Cost Accounting (3) Analysis of conceptual and current issues; impact on development and practice of managerial and cost accounting. Approaches to management accounting, decision control models, and planning and control under conditions of uncertainty. Prerequisite: Cost and Managerial Accounting and admission to M.Acc. program.


532 Corporate Taxation and Reorganizations (3) Organization and structure, distributions, liquidations, reorganizations, and special problems in taxation of corporations and shareholders. Prerequisite: Admission to M.Acc. program or consent of instructor. Prerequisite or corequisite: 531.

533 Taxation of Partnerships and S Corporations (3) Formations, operations, termination, and other special problems of partnerships. Election for S Corporations, and comparison of partnership and S-Corporations. Prerequisite: Admission to M.Acc. program or consent of instructor. Prerequisite or corequisite: 531.

534 Family Tax Planning (3) Review and analysis of laws pertaining to inter vivos and post-mortem property transfers and taxation of estates. Financial planning techniques and strategies used to accomplish family tax planning objectives. Prerequisite or corequisite: 531.

539 Multi-Jurisdictional Tax Planning and Policy (3) Analysis of international, state, and local tax law as it pertains to business transactions. Identification of tax planning opportunities and design of strategies to accomplish tax planning objectives. Policy issues related to multi-jurisdictional taxation. Prerequisite: Federal Income Taxation and admission to M.Acc. program.

541 Database Systems (3) Design, implementation, and use of database systems for collection, organization, and distribution of economic information about organization. Prerequisite: Accounting Information Systems and admission to a graduate program or consent of instructor.

542 Systems Analysis and Design (3) Analysis and design of information systems for management and distribution of economic information about organization. Prerequisite: Accounting Information Systems and admission to a graduate program or consent of instructor.

548 Systems Issues and Policies (3) Seminar in emerging topics in management systems and knowledge-based systems. Prerequisite: Admission to a graduate program or consent of instructor.

592 Graduate Internship in Accounting (3) Full-time resident professional employment for one academic semester involving qualified job experience, written report of responsibilities, and evaluation of student performance. Prerequisite: Admission to M.Acc. program or consent of M.Acc. advisor.

593 Individual Research in Accounting (3) Directed research in topics of mutual interest. Prerequisite: Admission to M.Acc. program or consent of M.Acc. advisor. May be repeated. Maximum 6 hrs.

600 Doctoral Research and Dissertation (3-15) Prerequisite: Consent of Ph.D. program advisor.

611-12 Doctoral Seminar in Accounting (3, 3) Analysis of issues reflected in accounting literature. Prerequisite: Consent of Ph.D. program advisor.

619 Doctoral Research in Accounting (3) Study of research methodology and application of various research methods in accounting literature. Prerequisite: Consent of Ph.D. program advisor.

621-22 Accounting Colloquium (1, 1) Research and discussion of contemporary issues in practice of accounting. Prerequisite: Consent of Ph.D. program advisor. May be repeated. S/NC only.

Business Law

GRADUATE COURSES
511 Business Law and Professional Responsibility (3) Legal framework and ethical implications of business transactions. Principles and practices in law of contracts, commercial transactions, real property, trusts, estates and professional responsibility. Prerequisite: Legal Environment of Business and admission to M.Acc. program or consent of instructor. Not available for students with credit for 401.

Advertising

(College of Communications)

MAJOR

DEGREES
Communications ........................................ M.S., Ph.D.

Ronald E. Taylor, Head

Professors:
Hovland, Roxanne, Ph.D. ........................................ Illinois
Taylor, Ronald E., Ph.D. ................................. Illinois

Associate Professors:
Haley, Eric, Ph.D. ........................................ Georgia
Hoy, Mardea, Ph.D. ........................................ Oklahoma State
Agricultural and Biosystems Engineering

(Major in Agricultural Sciences and Natural Resources)

MAJORS

Biosystems Engineering ............... M.S., Ph.D.
Biosystems Engineering Technology .... M.S.

Luther R. Wilhelm, Interim Head

Professors:

Bledsoe, B. L., PE, Ph.D. .......... Oklahoma State
Henry, Z. A. (Emeritus), PE, Ph.D. .... NC State
Luttrell, D. H. (Emeritus), Ph.D. ...... Iowa State
McDow, J. J. (Emeritus), PE, Ph.D. .... Michigan State
Mote, C. R., PE, Ph.D. ............. Ohio State
Sewell, J. I. (Emeritus), PE, Ph.D. .... NC State
Shelton, C. H. (Emeritus), M.S. ....... VPI
Tomkins, F. D., PE, Ph.D. .......... Tennessee
Wilhelm, L. R., PE, Ph.D. .......... Tennessee
Wills, J. B., M.S. ................. Tennessee

Associate Professors:

Buschermohle, M. J., Ph.D. .......... Clemson
Freeland, R. S., PE, Ph.D. .......... Tennessee
Grandle, G. F., Ph.D. .......... Tennessee
Hart, W. E., Ph.D. .......... Purdue
Hulbert, G. J., PE, Ph.D. .......... Illinois
Yoder, R. E. (Liaison), PE, Ph.D. .... Colorado State

Graduate programs leading to the Master of Science and Doctor of Philosophy with a major in Biosystems Engineering are available to graduates of a recognized curriculum in engineering, mathematics, or one of the physical or biological sciences. A graduate program leading to the Master of Science in Biosystems Engineering Technology is available to graduates of a recognized curriculum in agriculture or related fields. These programs emphasize the application of engineering and engineering technology to agricultural and other biological systems. Major focus areas of the program are: machinery systems; environmental quality and resource conservation; instrumentation, sensor, and control systems; and bioprocessing. Prerequisite courses may be required depending upon the applicant's academic background and interest area within the program.

A completed departmental data sheet and three completed Graduate School Rating Forms are required in addition to The Graduate School application. International students must submit scores from the GRE general examination. Each applicant will be advised about any prerequisite courses before entering a program. The student's program of study must be approved by his/her advisory committee and must comply with the requirements of The Graduate School.

A significant aspect of graduate education beyond formal courses and thesis projects is active participation in the professional community which exists within academic departments at universities. Student/faculty seminars are one of the professionally rewarding activities of the community. Accordingly, all graduate students are encouraged to participate in Biosystems Engineering 505 and other departmental seminars regardless of whether they are registered for seminar credit.

THE MASTER'S PROGRAMS

Biosystems Engineering

Applicants accepted into the program must complete at least 30 semester hours to earn a degree. Of these 30 hours, 20 must be in courses numbered 500 or greater (6 hours of thesis plus 14 hours of other courses). Other specific requirements for the 30 hours are:

- Thesis 500
- Program electives
- Non-Thesis Option: A non-thesis option in Biosystems Engineering Technology is available to qualified students. Applicants accepted into the program must complete at least 30 semester hours to earn a degree. Of these 30 hours, 20 must be in courses numbered greater than 500. Other specific requirements for the 30 hours are:

- Coursework in computational methods (mathematics, computer science, statistics, or any course containing appropriate computational components that may be approved by the department)
- Program electives
- Coursework in special emphasis area
- Capstone Experience (project and report, typically 508)

In addition to completing the 30 semester hours, non-thesis students must pass a final oral examination covering the thesis, related areas, and graduate coursework.

Aerospace Engineering

See Mechanical and Aerospace Engineering
THE DOCTORAL PROGRAM

Departmental Requirements

Students applying for admission into the doctoral program must submit evidence of ability to perform and report independent research to the satisfaction of the faculty of the department. An approved master's thesis will usually be acceptable for this purpose.

To earn a degree, each doctoral student must complete at least 75 hours of approved graduate credit (beyond the baccalaureate degree) in Biosystems Engineering and supporting areas (engineering, computational methods, agricultural and biological sciences, and other related areas). Of the 75 hours, 48 must be in courses numbered greater than 500 (including 24 hours of course 600) and 6 hours of courses at UT numbered greater than 600. Other specific requirements for the minimum 75 hours are:

- Major subject courses: 18 hours
- Coursework in computational methods (mathematics, computer science, statistics, or any course containing appropriate computational components that may be approved by the department): 9 hours
- Program electives: 21 hours
- Seminar (504, 505 or equivalent courses): 3 hours
- Dissertation: 24 hours

In addition to completing the minimum 75 hours of graduate credit required for a degree, each doctoral student must also pass a comprehensive examination as required by The Graduate School.

Biosystems Engineering

GRADUATE COURSES

403 Machine and Component Design (3) Nature of design; functional analysis; creativity; geometric and kinematic requirements; plane mechanisms, force, stress, deflection; design project components and assemblies. Prereq: Power Units and Machinery or consent of instructor. 1 hr and 2 labs. F

423 Irrigation and Waste Management System Design (3) Design of irrigation and agricultural waste management systems with consideration given to livestock waste characteristics, climate, water quantity, system characteristics, and impact on crop yield and water quality. Prereq: 315 Soil and Water Conservation, Engineering Science 341 Fluid Mechanics I, and Civil and Environmental Engineering 390 Hydraulics. 1 hr and 2 labs. F

430 Mobile Hydraulic Power System Design (3) Functional and operational characteristics of mobile hydraulic system components: pumps, valves and actuators; analysis and synthesis of power transmission and control circuits. Prereq: Fluid Mechanics or Hydraulics. 2 hrs and 1 lab. F

433 Bioprocess System Design and Analysis (3) Design of processing, storage and handling systems for biological materials. Mass and energy balances, product and waste characterization, equipment specifications, economic analysis, safety, and human factors. Design content: 3 hrs. Prereq/coreq: Processing Food and Biological Materials. 1 hr and 2 labs. F

451 Electronic Systems (4) Basic electronics with biological applications. Analog and digital electronics; sensing and controlling physical and environmental parameters; sensor selection and interfacing, signal conditioning; process control. Laboratory experiments and design projects. Prereq: Circuits and Electric Mechanical Components. 3 hrs and 1 lab. Sp

500 Thesis (1-15) S/N, P/N only. E

502 Registration for Use of Facilities (3-15) Required for the student not otherwise registered during any semester when student uses University facilities and/or faculty time before degree is completed. May not be used toward degree requirements. May be repeated. S/N only. E

504 Professional Development Seminar (1) Planning and executing research program; ethics and professionalism; departmental procedures and resources. (Same as Biosystems Engineering Technology 505.) 2 hrs. E

505 Professional Communications Seminar (1) Reviews and discussion of ideas, recent advances and current topics: presentations by students. Should be taken in last full semester before graduation. Prereq: 504. May be repeated in doctoral program. Maximum 2 hrs. (Same as Biosystems Engineering Technology 505.) S/N only. E

507 Professional Development Seminar (1) (Same as Agriculture and Natural Resources 507, Animal Sciences 507, Biostatistics 525, Food Science and Technology 507, Ornamental Horticulture and Landscape Design 507, and Plant and Soil Sciences 507.) S/N only. E

510 Simultaneous Design and Research (3) Dimensional analysis, government theory of models; true, distorted, dissimilar models; prediction equations; interpretation of data; applications to machinery, soil and water structures, buildings and other agricultural engineering related problems. Prereq: Engineering Science 321, 341. 2 hrs and 1 lab. F/A

525 Soil Erosion and Sediment Yield (3) (Same as Environmental Engineering 525.)

530 Research Problems in Biosystems Engineering (1-3) Theoretical and experimental studies relating to current problems in agricultural engineering. May be repeated. Maximum 6 hrs. E

541 Principles of Compost Engineering (3) Comprehensive study of composting: survey of installed systems; thermodynamics of composting; biology of composting; kinetics of heat inactivation; feed conditioning; aeration; substrate characteristics; process kinetics; and odor control. Design component. Prereq: Thermodynamics, heat and mass transfer. F

543 Instrumentation and Measurement (3) Modern instrumentation techniques. Static and dynamic response of instrumentation; signal conditioning; temperature, moisture, optical radiation, displacement, strain, pressure, velocity, acceleration; thermoelectric, strain, temperature measurements; digital data acquisition and control. Prereq: 401 or Electronics and Computer Circuits or equivalent. 2 hrs and 1 lab. (Same as Environmental Engineering 543.) F/A

545 Monitoring Hydrologic Phenomena (3) Application of instrumentation theory to monitoring hydrologic phenomena; strengths and weaknesses of current equipment and strategies; equipment operation and solution of environmental monitoring problems. Prereq: 543 and knowledge of basic hydrology. 2 hrs and 1 lab. (Same as Environmental Engineering 545.) Sp/A

550 Selected Topics (1-3) Lecture/group discussion on specialized topics. May be repeated. Maximum 6 hrs.

552 Biological Treatment Theory (3) (Same as Environmental Engineering 552.)

555 GIS and GPS Applications to Biosystems (3) Theory and applications of Geographical Information Systems (GIS) and Global Positioning Systems (GPS); acquiring, managing, and analyzing spatially-varying data. Site-specific agriculture, environmental site assessment, natural resource management, and hydrology. Prereq: Graduated student in biosystems or environmental sciences. (Same as Biosystems Engineering Technology 555.)

575 Applied Microbiology and Bioengineering (3) (Same as Chemical Engineering 575, Environmental Engineering 575, and Microbiology 575.)

600 Doctoral Research and Dissertation (3-15) P/N only. E

620 Computer Simulation of Agricultural Systems (3) Scientific approach to digital simulation; system definitions and boundaries, formation of models, algorithms and solution techniques, encoding of prediction equations models, algorithms and solution techniques, encoding of prediction equations and model output, validation and calibration of simulation model results. Prereq: Knowledge of computer programming language. 2 hrs and 1 lab. F/A

530 Feedback and Control Systems (3) Differential equations for physical systems: solutions, transforms, and system response. Types of control, frequency response, system compensation, and system analysis. Application to agricultural systems. Prereq: 451 and consent of instructor. 2 hrs and 1 lab. F/A

580 Selected Topics (1-3) Lecture, group discussion, and individual study on specialized developments. May be repeated. Maximum 6 hrs. E

Biosystems Engineering Technology

GRADUATE COURSES

422 Food and Process Engineering Technology (3) Application of basic engineering principles to agricultural and food processes. Fluid handling, drying, evaporation, pasteurization, processing, heating and cooling, refrigeration systems, and maintenance. Prereq: Basic physics. 2 hrs and 1 lab. F

432 Agricultural Machinery and Tractors (3) Functions, selection, matching, and management of agricultural machinery systems. Tractor power ratings, engine and transmission systems, hydraulic systems, hitching, and ballasting. Field and material capacity, field efficiency, cost analysis, and machinery replacement elements. Functional analyses of tillage operations, planters and drills, no-tillage systems, hay harvest systems, forage and small grain harvesting, and cotton harvesting. Crop drying processes, off-road machinery safety considerations, and operator ergonomics. Prereq: Mathematics 123 Basic Calculus or 125 Finite Mathematics or consent of instructor. 2 hrs and 1 lab. Sp

442 Agricultural Waste Management and Pollution Control (3) Waste renovation fundamentals; characteristics of animal manure; techniques for collection, transportation, storing, and utilizing livestock waste. Prereq: Basic Calculus or Finite Mathematics or equivalent. 2 hrs and 1 lab. F

452 Small Internal Combustion Engines (3) Theory, concepts, and mechanics of small internal combustion engines; theoretical cycles; selection, operation, adjustment, troubleshooting and repair of single-cylinder engines. Prereq: Basic calculus or finite mathematics or equivalent or consent of instructor. 2 hrs and 1 lab. Sp

462 Agricultural Chemical Application Technology (3) Equipment for application of liquid, solid, and gaseous agricultural chemicals; system components; operational characteristics; calibration; selection and management; safety considerations; materials handling and disposal methods. Prereq: Basic calculus or finite mathematics or equivalent or consent of instructor. 2 hrs and 1 lab. Sp

500 Thesis (1-15) P/N only. E

502 Registration for Use of Facilities (3-15) Required for the student not otherwise registered during any semester when student uses University facilities and/or faculty time before degree is completed. May not be used toward degree requirements. May be repeated. S/N only. E

504 Professional Development Seminar (1) (Same as Biosystems Engineering 504.) S/N only. E

505 Professional Communications Seminar (1) (Same as Biosystems Engineering 505.) S/N only. E

506 Physical Phenomena (3) Properties of materials, fundamentals of hydraulics, principles of elasticity, thermal phenomena, applications in biological sys-