The Graduate Catalog

The Graduate Catalog represents the offerings and requirements in effect at the time of publication, but there is no guarantee that they will not be changed or revoked. The course offerings and requirements of the institution are continually under examination and revision. However, adequate and reasonable notice will be given to students affected by any change. This catalog is not intended to state contractual terms and should not be regarded as a contract between the student and the institution.

Student Responsibility

Graduate students must assume full responsibility for knowledge of rules and regulations of the Graduate Council and departmental requirements for the chosen degree program. Any exceptions to the policies stated in the Graduate Catalog must be approved by the Dean of Graduate Studies. Individual colleges and departments may have requirements beyond the minimum established by the Graduate Council. A calendar of deadlines, policies and procedures for graduate programs are found on the Graduate Studies webpage (http://web.utk.edu/~gsinfo). A statement of graduate students' rights and responsibilities is included with the admission notification. Additional copies are available at the Office of Graduate Admissions.

Contacts

(See Web Pages at http://www.utk.edu/ and at http://web.utk.edu/~gsinfo)

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Knoxville, Tennessee 37996
Office Hours: 8:00 a.m.-5:00 p.m.
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GSA President
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EEO/TITLE IX/AA/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 education programs and services or employment opportunities and benefits. This policy extends to both employment by and admission to the University.

The University does not discriminate on the basis of race, sex, or disability in the education programs and activities pursuant to the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990.

Inquiries and charges of violation concerning Title VI, Title IX, Section 504, ADA, the Age Discrimination in Employment Act (ADEA), or any of the other above referenced policies should be directed to the Office Equity and Diversity (OED); 1840 Melrose Avenue; Knoxville, Tennessee 37996-3560; telephone (865) 974-2498 (TTY available). Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Human Resources Management; 600 Henley Street; Knoxville, Tennessee 37996-4125.

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; The University of Tennessee; 413 Student Services Building; Knoxville, Tennessee 37996-0248.

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Publication Authorization Number: E17-0405-002-002-03
Graduate Studies

Introduction 7
Graduate Majors and Degree Programs 8
Summary of Procedures for Master’s Degrees and Specialist in Education Degree 12
Summary of Procedures for Doctoral Degrees 13

Admission Requirements

Application Procedures 14
Admission Classifications 14
Degree Admission 14
Non-degree Admission 14
Graduate Certificate Of Credit Admission 14
Transient Admission 14
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 16
Courses in Non-Standard Format 17
Correspondence Study 17
Proficiency Examinations 17
English Proficiency 17
Prerequisites 17
Advisor/Major Professor 17
Departmental Liaison 17
Registration 17
Conditional Registration 17
Registration for Use of Facilities 17
Course Description 18
Change of Registration 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 19
Minors 20
Transfer Credits 20
Master’s Degree 20
Ed.S. Degree 20
Doctoral Degree 20
Theses and Dissertations 20
Foreign Language 20
Classified Research 20
Dissemination of Final Copies 20
Graduation 20
Master’s Degrees 20
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 21
Ed.S. Committee 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

Fees and Financial Assistance

Residency Classification 23
University Fees 23
Application Fee 24
Voxxpress 24
University Program and Services Fee 24
Technology Fee 24
Facilities Fee 24
Transportation Fee 24
Special Course Fees 24
Graduation Fee 24
Fees For Courses Not Taken For Credit 24
Final Registration Late Fee 24
Reinstatement Fee 24
Returned Check Service Fee Policy 24
Deferred Payment Plan 24

Refunds 25
Refund/Charge of Fees for Withdrawal 25
Financial Aid Withdrawals 25
Refund/Charge of Fees for Dropped Courses 25
Waiver Of Fees 24
Graduate Student Employees Insurance 25
Student Health Insurance 25
Volcar 25
Fees for Sponsored International Students 25
Financial Assistance 25
Assistantships 25
Academic Common Market Fellowships 25
Employment 26
Graduate Student Travel Fund 26
Loans 26
Veterans Benefits 26

Special Federal and State Laws and University Policies

Family Educational Rights and Privacy Act 26
Use of Social Security Number 26
EEO/Title IX/Section 504 Statement 26
Security Information 26
Drug-Free Campus and Workplace 27
Alcohol Abuse Health Risks 27
Drug Use Health Risks 27
Policy for the Administration of Graduate Assistantships 27
Preamble 27
Definition 27
Types of Assistantships 27
Work Assignments and Related Factors 28
Qualifications of Graduate Assistants 28
Competency in English 28
Rights/Responsibilities of Graduate Assistants 28
Evaluation/Supervision of Graduate Assistants 29
Orientation/Training of Graduate Teaching Assistants and Graduate Teaching Associates 29
Orientation/Training of Graduate Assistants and Graduate Research Assistants 29
Accepting/Declining an Assistantship 29

Student Services

Black Cultural Center 29
Career Services 30
Center for International Education 30
Dining Services 30
Early Education Programs 30
Graduate Student Association 30
Hearing and Speech Services 30
Housing 31
Minority Student Affairs 31
Office of Disability Services 31
Student Counseling Services Center 31
Student Health Service 31
Vehicle Operation and Parking 31
Women’s Center 31

Colleges

College of Agricultural Sciences and Natural Resources 33
College of Architecture and Design 33
College of Arts and Sciences 34
College of Business Administration 35
College of Communication and Information 35
College of Education, Health, and Human Sciences 36
College of Engineering 37
College of Law 37
College of Nursing 38
College of Social Work 38
College of Veterinary Medicine 38

Fields of Instruction

Accounting and Business Law 39
Advertising and Public Relations 40
Agricultural and Extension Education 41
Agricultural Economics 42
Agriculture and Natural Resources 43
Animal Science 43
Anthropology 44
Architecture 47
Art 48
Audiology and Speech Pathology 51
Aviation Systems 53
Biochemistry and Cellular and Molecular Biology 55
Biosystems Engineering and Environmental Science 56
Botany 60
Business Administration 61
Chemical Engineering 67
Chemistry 68
Child and Family Studies 70
Civil and Environmental Engineering 72
Classics 75
Communication Studies 75
Communication 75
Comparative and Experimental Medicine 77
Computer Science 78
Consumer Services Management 80
Earth and Planetary Sciences 82
Ecology and Evolutionary Biology 83
Economics 85
Education 87
Educational Administration and Policy Studies 88
Educational Psychology and Counseling 90
Electrical and Computer Engineering 98
English 101
Entomology and Plant Pathology 104
Finance 105
Food Science and Technology 106
Forestry, Wildlife and Fisheries 107
Geography 110
Health and Exercise Science 111

Facilities for Research and Service

Bureau of Evaluation, Research, and Service 203
Center for Business and Economic Research 203
Center for Executive Education 203
Center for Information Studies 203
Center for Literacy Studies 204
Center for Physical Activity and Health 204
Center for Transportation Research 204
Center of Excellence for Materials Processing 204
Centers and Chairs of Excellence 204
Child Development Laboratories 205
Communications Research Center 205
Energy, Environment, and Resources Center 205
Institute of Agriculture 205
Agricultural Experiment Station 206
Agricultural Extension Service 206
Libraries, The University of Tennessee 206

Maintenance and Reliability Center 207
Measurement and Control Engineering Center 207
Nutrition Institute 207
Off-Campus Graduate Centers 207
Chattanooga Education Program 207
College of Social Work 207
Office of Information Technology 207
OIT Help Desk 208
OIT Customer Service Center 208
Technology Training 208
Computer-Based Training 208
Statistical Consulting Center 208
The Innovative Technologies Center (ITC) 208
Psychological Clinic 208
Research Centers of Excellence 208
Center for Genomics and Bioinformatics 208
Center for Information Technology Research (CITR) 208
Center of Excellence for the Neurobiology of Brain Disease 208
Center for Environmental Biotechnology 208
Food Safety Center of Excellence 208
Vascular Biology Center of Excellence 209
Center of Excellence for Diseases of Connective Tissue 209
The Tennessee Advanced Materials Laboratory (TAML) 209
Center of Excellence in Structural Biology 209
Research Consortiums 209
Textiles and Nonwovens Development Center 209
Tourism Institute 210
University of Tennessee Space Institute 210
University Outreach and Continuing Education 210
Department of Conferences 210
English Language Institute 211
Professional and Personal Development 211
Department of Distance Education and Independent Study 211
Tennessee Water Resources Research Center 211

Index

Map of Campus
University Calendar for 2003-2004

Summer Term 2003
June 2 (Monday) Classes Begin
July 3 (Thursday) First Session Ends
July 4 (Friday) Independence Day
July 7 (Monday) Second Session Begins
August 7 (Thursday) Second Session Ends
August 16 (Saturday) Graduation Date*

Fall Semester 2003
August 20 (Wednesday) Classes Begin
September 1 (Monday) Labor Day
October 16-17 (Thursday-Friday) Fall Break
November 27-28 (Thursday-Friday) Thanksgiving Break
December 2 (Tuesday) Classes End
December 3, 5 (Wednesday, Friday) Study Period
December 4, 8-11 (Thursday, Monday-Thursday) Final Exams
December 13 (Saturday) Doctoral Hooding Ceremony
December 14 (Sunday; 3 p.m.) Commencement

Spring Semester 2004
January 12 (Monday) Classes Begin
January 19 (Monday) Martin Luther King Holiday
March 8-12 (Monday-Friday) Spring Break
April 9 (Friday) Spring Recess
April 28 (Wednesday) Classes End
April 29-30 (Thursday-Friday) Study Period
May 3-7 (Monday-Friday) Final Exams
May 7 (Friday) Doctoral Hooding Ceremony
May 8 (Saturday; 9 a.m.) Commencement
May 10-28 (Monday-Friday) Mini Term
May 31 (Monday) Memorial Day

Summer Term 2004
June 1 (Tuesday) Classes Begin
July 2 (Friday) First Session Ends
July 5 (Monday) Independence Day
July 6 (Tuesday) Second Session Begins
August 6 (Friday) Second Session Ends
August 14 (Saturday) Graduation Date*

*There is no commencement ceremony in the summer. This is the official date that will appear on the transcript.

NOTE: Deadlines for degree requirements are at end of section on Degree Program Requirements.
THE UNIVERSITY OF TENNESSEE

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Commissioner of Education
Commissioner of Agriculture
President, The University of Tennessee
Executive Director, Tennessee Higher Education Commission

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Don C. Stansberry, Jr., Huntsville Fourth 2002 May 31, 2008
Andrea Loughry, Brentwood Sixth 1999 May 31, 2005
Wayman L. Hickman, Columbia Seventh 2000 May 31, 2006
Jerry L. Jackson, Dyersburg Eighth 1996 May 31, 2008

From Anderson, Bedford, Coffee, Franklin, Lincoln, Moore, and Warren Counties Service Begins Term Ends
J. Steven Ennis 1988 May 31, 2006

From Davidson County Service Begins Term Ends
R. Clayton McWhorter 1993 May 31, 2005

From Hamilton County Service Begins Term Ends

From Knox County Service Begins Term Ends
Susan Richardson-Williams 1995 May 31, 2007

From Shelby County Service Begins Term Ends

From Weakley County Service Begins Term Ends

Student Member Service Begins Term Ends
Natalie A. Tate 2002 June 30, 2003

Faculty Member Service Begins Term Ends
Lawrence J. Hak 2002 June 30, 2003

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Lieutenant Colonel William P. Woodcock, U.S. Army, B.S., M.S., Professor of Military Science and Leadership, Army Reserve Officers Training Corps

5
The Graduate Studies Administration

Anne Mayhew, B.A., Ph.D., Vice Provost for Academic Affairs and Dean of Graduate Studies
S. Kay Reed, B.S., M.S., M.A., Ph.D., Assistant to the Dean

The Graduate Council (Membership August 1, 2002)

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Dr. Johnie Mozingo, College of Nursing
Dr. John L. Sobieski, Jr., College of Law
Dr. Luther Wilhelm, College of Engineering
Dr. Robert Leiter, University Outreach and Continuing Education

<table>
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<tr>
<th>College or Unit</th>
<th>Elected Members</th>
<th>Expiration</th>
<th>Proxy</th>
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<tr>
<td>Agric. Sci. and Natural Resources</td>
<td>Dr. Robert M. Auge</td>
<td>July 31, 2004</td>
<td>Dr. David A. Golden</td>
</tr>
<tr>
<td>Architecture and Design</td>
<td>Mr. Jon Coddington</td>
<td>July 31, 2004</td>
<td>Mr. Max Robinson</td>
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<tr>
<td>Arts and Sciences</td>
<td>Dr. Steffi Ohnesorg</td>
<td>July 31, 2003</td>
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<td>Dr. Carol Harden</td>
<td>July 31, 2003</td>
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<td>Mr. Beauvais Lyons</td>
<td>July 31, 2003</td>
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<td>Dr. Stephen Blackwell</td>
<td>July 31, 2004</td>
<td>Dr. John Romeiser</td>
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<td>Dr. Charles Feigerle</td>
<td>July 31, 2004</td>
<td>Dr. Gerald Schroedl</td>
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<td>Dr. Sherry Cable</td>
<td>July 31, 2005</td>
<td>Dr. Warren Jones</td>
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<td>Dr. Otto Schwarz</td>
<td>July 31, 2005</td>
<td>Dr. Mary Papke</td>
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<td>Dr. Melissa Bowers</td>
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<td>Dr. Richard Townsend</td>
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<td>Dr. Ray DeGennaro</td>
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<tr>
<td>Communication and Information</td>
<td>Dr. Roxanne Hovland</td>
<td>July 31, 2005</td>
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<td>Dr. Gretchen Whitney</td>
<td>July 31, 2003</td>
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<tr>
<td>Education, Health, and Human Sciences</td>
<td>Dr. Vena Long</td>
<td>July 31, 2003</td>
<td>Dr. Mary Jane Connelly</td>
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<td>Dr. Kathleen Davis</td>
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<td>Dr. Naima M. Moussa</td>
<td>July 31, 2004</td>
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<td>Dr. Songning Zhang</td>
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<tr>
<td>Engineering</td>
<td>Dr. Wayne T. Davis</td>
<td>July 31, 2003</td>
<td>Dr. Arun Chatterjee</td>
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<td>Dr. Paul D. Frymier</td>
<td>July 31, 2004</td>
<td>Dr. Raymond Buchanan</td>
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<td>Dr. Majid Keyhani</td>
<td>July 31, 2004</td>
<td>Dr. Belle Upadhyaya</td>
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<td>Graduate Student Association</td>
<td>Mr. Sid Collins</td>
<td>April 30, 2003</td>
<td>Mr. Chad Toney</td>
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<td>Mr. Patrick Shuneman</td>
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<td>Mr. Sam Morton</td>
<td>April 30, 2003</td>
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<td>Law</td>
<td>Ms. D. Cheryn Picquet</td>
<td>July 31, 2003</td>
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<td>Nursing</td>
<td>Dr. Nan Gaylord</td>
<td>July 31, 2004</td>
<td>Dr. Sandra McGuire</td>
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<td>Social Work</td>
<td>Dr. Mary Rogge</td>
<td>July 31, 2004</td>
<td>Dr. John Orme</td>
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<td>Dr. Marlys Staudt</td>
<td>July 31, 2004</td>
<td>Dr. Roger Nooe</td>
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<tr>
<td>UT Space Institute</td>
<td>Dr. Trevor Moulden</td>
<td>July 31, 2004</td>
<td>Dr. Monty Smith</td>
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<tr>
<td>Veterinary Medicine</td>
<td>Dr. Patti Tithof</td>
<td>July 31, 2003</td>
<td>Dr. John New</td>
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</tbody>
</table>
Graduate Studies

The University of Tennessee is the land-grant institution of the State of Tennessee, with its main campus in Knoxville. UT is the state's largest and most comprehensive institution, and is a Carnegie One Research Extensive Institution. 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, 2 professional programs, and several graduate certificate programs. More than 6,000 graduate and professional students are enrolled on and off campus under the tutelage of 1,500 faculty members.

Graduate programs bring 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.

Graduate programs are administered by the Graduate Council; the Graduate Studies administrative organization, composed of the Dean's Office and the Office of Graduate Student Services; administrators of the various graduate programs; the 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 of Graduate Studies, 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, professional development, and the Graduate Deans Group.

The Office of Graduate Student Services, in conjunction with Admissions and Records, develops procedures to implement policies formulated by the Council. 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, upon recommendation of the academic unit, and who are currently enrolled in graduate programs.

Graduate education has been conducted at The University of Tennessee since 1821. The first 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 9,300 doctoral degrees and 55,000 master's degrees have been awarded to date.
### 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. A formally approved subcomponent of a degree program is a **concentration**.

<table>
<thead>
<tr>
<th>MAJOR</th>
<th>DEGREE</th>
<th>CONCENTRATIONS AVAILABLE</th>
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</thead>
<tbody>
<tr>
<td><strong>College of Agricultural Sciences and Natural Resources</strong>&lt;br&gt;Agricultural and Extension Education*</td>
<td>M.S.</td>
<td>Agricultural education, agricultural extension education.</td>
</tr>
<tr>
<td>Agricultural Economics*</td>
<td>M.S.</td>
<td>M.S.—agribusiness, agricultural economics.</td>
</tr>
<tr>
<td>Animal Science*</td>
<td>M.S., Ph.D.</td>
<td>M.S.—animal genetics, animal health and well-being, animal management, animal nutrition, animal physiology.</td>
</tr>
<tr>
<td>Biosystems Engineering*</td>
<td>M.S., Ph.D.</td>
<td>Ph.D.—agricultural electrical and electronic systems, agricultural power and machinery, agricultural structures and environment, food and process engineering, soil and water conservation engineering.</td>
</tr>
<tr>
<td>Biosystems Engineering Technology*</td>
<td>M.S.</td>
<td></td>
</tr>
<tr>
<td>Entomology and Plant Pathology*</td>
<td>M.S.</td>
<td>Entomology, plant pathology.</td>
</tr>
<tr>
<td>Environmental and Soil Sciences</td>
<td>M.S.</td>
<td></td>
</tr>
<tr>
<td>Food Science and Technology*</td>
<td>M.S., Ph.D.</td>
<td>Ph.D.—food chemistry, food microbiology, food processing, sensory evaluation of foods.</td>
</tr>
<tr>
<td>Forestry*</td>
<td>M.S.</td>
<td></td>
</tr>
<tr>
<td>Natural Resources*</td>
<td>Ph.D.</td>
<td></td>
</tr>
<tr>
<td>Plant Sciences and Landscape Systems.*</td>
<td>M.S.</td>
<td></td>
</tr>
<tr>
<td>Plants, Soils, and Insects*</td>
<td>Ph.D.</td>
<td>Bioactive natural products, crop sciences, environmental and soil sciences, entomology, horticulture, integrated pest management, plant improvement, plant pathology, weed biology.</td>
</tr>
<tr>
<td>Wildlife and Fisheries Science*</td>
<td>M.S.</td>
<td></td>
</tr>
<tr>
<td><strong>College of Architecture and Design</strong>&lt;br&gt;Architecture*</td>
<td>M.Arch.</td>
<td>Track 1 (for students seeking first professional degree). Track 2 (for students with first professional degree who wish to develop an area of specialization).</td>
</tr>
<tr>
<td><strong>College of Arts and Sciences</strong>&lt;br&gt;Anthropology</td>
<td>M.A., Ph.D.</td>
<td>M.A. and Ph.D.—archaeology, biological anthropology, cultural anthropology, zooarchaeology.</td>
</tr>
<tr>
<td>Art*</td>
<td>M.F.A.</td>
<td>Ceramics, drawing, graphic design, media arts, painting, printmaking, sculpture.</td>
</tr>
<tr>
<td>Audiology*</td>
<td>Au.D.</td>
<td></td>
</tr>
<tr>
<td>Biochemistry and Cellular and Molecular Biology*</td>
<td>M.S., Ph.D.</td>
<td></td>
</tr>
<tr>
<td>Botany*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—anatomy, bryology, cytognetics, cytology, ecology, genetics, lichenology, molecular biology, morphology, mycology, photobiology, physiology, pteridology, systematics.</td>
</tr>
<tr>
<td>Chemistry*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—analytical chemistry, environmental chemistry, inorganic chemistry, organic chemistry, physical chemistry, polymer chemistry, Ph.D. only—chemical physics (in cooperation with Physics Department), theoretical chemistry.</td>
</tr>
<tr>
<td>Computer Science*</td>
<td>M.S., Ph.D.</td>
<td></td>
</tr>
<tr>
<td>Ecology and Evolutionary Biology*</td>
<td>M.S., Ph.D.</td>
<td>Behavior, ecology, evolutionary biology.</td>
</tr>
<tr>
<td>English*</td>
<td>M.A., Ph.D.</td>
<td>M.A.—writing.</td>
</tr>
<tr>
<td>French*</td>
<td>M.A.</td>
<td></td>
</tr>
<tr>
<td>Geography*</td>
<td>M.S., Ph.D.</td>
<td></td>
</tr>
<tr>
<td>Geology*</td>
<td>M.S., Ph.D.</td>
<td></td>
</tr>
<tr>
<td>German*</td>
<td>M.A.</td>
<td></td>
</tr>
<tr>
<td>MAJOR</td>
<td>DEGREE</td>
<td>CONCENTRATIONS AVAILABLE</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Interdisciplinary Programs</td>
<td></td>
<td>Graduate certificate programs—linguistics, medieval studies, women's studies.</td>
</tr>
<tr>
<td>Life Sciences*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—genome science and technology, plant physiology and genetics.</td>
</tr>
<tr>
<td>Microbiology*</td>
<td>M.S., Ph.D.</td>
<td></td>
</tr>
<tr>
<td>Modern Foreign Languages*</td>
<td>Ph.D.</td>
<td>First concentration—French, German, Spanish. Second concentration—applied linguistics, French, German, Italian, Portuguese, Russian, Spanish.</td>
</tr>
<tr>
<td>Music*</td>
<td>M.M.</td>
<td>Accompanying, choral conducting, composition, instrumental conducting, jazz, music education, music theory, musicology, performance, piano pedagogy.</td>
</tr>
<tr>
<td>Physics*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—astrophysics; atomic, molecular, optical, and low temperature physics; biophysics; chemical physics; condensed matter and surface physics; elementary particle physics; mathematical and computational physics; nuclear and relativistic heavy ion physics; theoretical physics. M.S. only—geophysics, health physics.</td>
</tr>
<tr>
<td>Planning*</td>
<td>M.S.P.</td>
<td>Environmental planning, land use planning, real estate development planning, transportation planning.</td>
</tr>
<tr>
<td>Political Science*</td>
<td>M.A., Ph.D.</td>
<td></td>
</tr>
<tr>
<td>Psychology*</td>
<td>M.A., Ph.D.</td>
<td>M.A.—experimental psychology, general psychology. Ph.D.—clinical psychology, counseling psychology, experimental psychology.</td>
</tr>
<tr>
<td>Public Administration*</td>
<td>M.P.A.</td>
<td>Dual J.D.-M.P.A. program available.</td>
</tr>
<tr>
<td>Sociology*</td>
<td>M.A., Ph.D.</td>
<td>M.A. and Ph.D.—criminology; energy, environment and resource policy; political economy.</td>
</tr>
<tr>
<td>Spanish*</td>
<td>M.A.</td>
<td></td>
</tr>
<tr>
<td>Speech and Hearing Science*</td>
<td>Ph.D.</td>
<td>Audiology, hearing science, speech and language pathology, speech-language science.</td>
</tr>
<tr>
<td>Speech Pathology*</td>
<td>M.A.</td>
<td>Aural habilitation.</td>
</tr>
<tr>
<td>Theatre*</td>
<td>M.F.A.</td>
<td>Costume design, lighting design, performance, scene design.</td>
</tr>
</tbody>
</table>

**College of Business Administration**

| Accounting*                                | M.Acc.     | Assurance services, systems, taxation.                                                  |
| Economics*                                 | M.A., Ph.D.|                                                                                         |
| Human Resource Development                 | M.S.       | Training and development.                                                               |
| Industrial and Organizational Psychology*  | Ph.D.      |                                                                                         |
| Management Science*                        | M.S., Ph.D.|                                                                                         |

**College of Communication and Information**

| Communication*                             | M.S., Ph.D.| M.S. and Ph.D.—advertising, electronic media, journalism, public relations, science communication, speech communication. M.S. only—converging media. Ph.D. only—information sciences. |
| Information Sciences*                      | M.S.       |                                                                                         |

**College of Education, Health, and Human Sciences**

| Child and Family Studies*                  | M.S.       | M.S.—child and family studies, early childhood education.                               |
| College Student Personnel*                 | M.S.       |                                                                                         |
### MAJOR DEGREE CONCENTRATIONS AVAILABLE

<table>
<thead>
<tr>
<th>MAJOR</th>
<th>DEGREE</th>
<th>CONCENTRATIONS AVAILABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer Services Management*</td>
<td>M.S.</td>
<td>Hospitality and tourism management, retail and consumer sciences. Certificate programs—services management, tourism development.</td>
</tr>
<tr>
<td>Counseling*</td>
<td>M.S.</td>
<td>Mental health counseling, rehabilitation counseling, school counseling.</td>
</tr>
<tr>
<td>Education</td>
<td>Ph.D.</td>
<td>Counselor education; cultural studies of educational foundations; curriculum; educational research and evaluation; early childhood education; educational administration and policy studies; educational psychology; exercise science; instructional technology; literacy, language, and ESL education; school psychology; sport studies; teacher education.</td>
</tr>
<tr>
<td>Educational Administration and Policy Studies</td>
<td>Ed.D.</td>
<td>Educational administration and policy, higher education administration.</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>M.S.</td>
<td>Adult education, applied educational psychology.</td>
</tr>
<tr>
<td>Educational Psychology and Counseling</td>
<td>Ed.D.</td>
<td>Collaborative learning.</td>
</tr>
<tr>
<td>Exercise Science</td>
<td>M.S.</td>
<td></td>
</tr>
<tr>
<td>Health Promotion and Health Education*</td>
<td>M.S.</td>
<td></td>
</tr>
<tr>
<td>Human Ecology</td>
<td>Ph.D.</td>
<td>Child and family studies, community health, hospitality and tourism management, nutrition sciences, retail and consumer sciences.</td>
</tr>
<tr>
<td>Nutrition*</td>
<td>M.S.</td>
<td>Nutrition science, public health nutrition. Dual M.S.-M.P.H. program available.</td>
</tr>
<tr>
<td>Public Health*</td>
<td>MPH</td>
<td>Community health education, gerontology, health planning/administration. Dual M.S.-M.P.H. program available.</td>
</tr>
<tr>
<td>Recreation and Leisure Studies</td>
<td>M.S.</td>
<td>Recreation administration, therapeutic recreation.</td>
</tr>
<tr>
<td>Safety</td>
<td>M.S.</td>
<td>Emergency management, safety management.</td>
</tr>
<tr>
<td>School Counseling*</td>
<td>Ed.S.</td>
<td></td>
</tr>
<tr>
<td>School Psychology*</td>
<td>Ed.S.</td>
<td></td>
</tr>
<tr>
<td>Sport Studies*</td>
<td>M.S.</td>
<td>Sport Management, sport studies.</td>
</tr>
</tbody>
</table>

### College of Engineering

<table>
<thead>
<tr>
<th>MAJOR</th>
<th>DEGREE</th>
<th>CONCENTRATIONS AVAILABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineering*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—aeroacoustics, aerodynamics and performance, energy conversion and utilization, flight and aerospace mechanics, gasdynamics, heat transfer and fluid mechanics, propulsion, space engineering, structures and stress analysis, thermodynamics.</td>
</tr>
<tr>
<td>Chemical Engineering*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—advanced control systems, chemical bioengineering, chemical engineering, polymer science and engineering. Certificate program—maintenance and reliability engineering.</td>
</tr>
<tr>
<td>Civil Engineering*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—Construction engineering, environmental engineering, geotechnical/materials engineering, public works engineering, structural engineering, transportation engineering.</td>
</tr>
<tr>
<td>Electrical Engineering*</td>
<td>M.S., Ph.D.</td>
<td>Ph.D.—circuit theory, communication theory, computers, control systems, electro-optics, electromagentic theory, plasma engineering, power electronics, power systems, solid-state electronics.</td>
</tr>
<tr>
<td>Environmental Engineering*</td>
<td>M.S.</td>
<td>Air quality, environmental risk assessment, mixed waste management, waste management, water quality, water resources.</td>
</tr>
<tr>
<td>MAJOR</td>
<td>DEGREE</td>
<td>CONCENTRATIONS AVAILABLE</td>
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<tr>
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</tr>
<tr>
<td>Industrial Engineering*</td>
<td>M.S.</td>
<td>Traditional industrial engineering, engineering management, human factors engineering, manufacturing systems, engineering, product development and manufacturing. Dual M.S.-MBA program available. Certificate program—maintenance and reliability engineering.</td>
</tr>
<tr>
<td>Materials Science and Engineering*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—materials, metallurgy, polymers.</td>
</tr>
<tr>
<td>Mechanical Engineering*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—dynamics, control and robotics; energy conversion and utilization; gasdynamics; heat transfer and fluid mechanics; machine design; power generation; propulsion; space engineering; stress analysis; thermodynamics. M.S. only—product development and manufacturing. Dual M.S.-M.B.A. program available. Certificate programs—computational fluid mechanics, maintenance and reliability engineering.</td>
</tr>
<tr>
<td>Polymer Engineering*</td>
<td>M.S., Ph.D.</td>
<td>M.S. and Ph.D.—Composite materials; mechanical, physical and chemical behavior of polymers; polymer morphology; rheology and polymer processing.</td>
</tr>
<tr>
<td><strong>College of Law</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>College of Nursing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing*</td>
<td>M.S.N, Ph.D.</td>
<td>M.S.N.—adult health nursing, family nurse practitioner, mental health nursing, nurse anesthesia, nursing administration, nursing of women and children. Post-master’s certificates—adult health nursing, family nurse practitioner, mental health nursing, nurse anesthesia, nursing administration, nursing education, nursing of women and children.</td>
</tr>
<tr>
<td><strong>College of Social Work</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Work*</td>
<td>M.S.S.W., Ph.D.</td>
<td>M.S.S.W.—clinical social work practice, social welfare management and community practice. Post-master’s certificate—management and community practice.</td>
</tr>
<tr>
<td><strong>College of Veterinary Medicine</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veterinary Medicine*</td>
<td>D.V.M.</td>
<td></td>
</tr>
<tr>
<td><strong>Intercollegiate</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aviation Systems*</td>
<td>M.S.</td>
<td>Offered only at UT Space Institute, Tullahoma, Tennessee.</td>
</tr>
<tr>
<td>Comparative and Experimental Medicine*</td>
<td>M.S., Ph.D.</td>
<td>Basic science, applied science.</td>
</tr>
</tbody>
</table>

* Non-degree students must obtain permission from the department/program head to register for courses in these fields.
## 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 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 and University Registrar's Office</td>
<td>At least one semester prior to graduation*</td>
</tr>
<tr>
<td>Approval of admission to candidacy</td>
<td>Dean of Graduate Studies</td>
<td>Prior to graduation</td>
</tr>
</tbody>
</table>

### GRADUATION REQUIREMENTS FOR NON-THESIS OPTION

<table>
<thead>
<tr>
<th>PROCEDURE</th>
<th>UNDER DIRECTION OF</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of application for graduation</td>
<td>Office of the University Registrar</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 and Committee</td>
<td>Not later than two weeks 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 first day of classes of term of graduation*</td>
</tr>
</tbody>
</table>

### GRADUATION REQUIREMENTS FOR THESIS/PROBLEMS OPTION

<table>
<thead>
<tr>
<th>PROCEDURE</th>
<th>UNDER DIRECTION OF</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of application for graduation</td>
<td>Office of the University Registrar</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 and Committee</td>
<td>Not later than two weeks 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 Graduate Student Services</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 final day of classes of term of graduation*</td>
</tr>
</tbody>
</table>

*Deadlines are printed in the **Deadline Dates for Graduation** and are available on the Graduate Studies Web Page (http://web.utk.edu/~gsinfo).
## Summary of Procedures for Doctoral Degrees

<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 Major Department</td>
<td>Prior to completing 15 hours of graduate</td>
</tr>
<tr>
<td>*Appointment of doctoral committee</td>
<td>Dean of Graduate Studies 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>*Comprehensive Examination</td>
<td>Major department</td>
<td>Prior to admission to candidacy</td>
</tr>
<tr>
<td><em>Language examination(s)</em>*</td>
<td>Office of the University Registrar</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 Dean of Graduate Studies</td>
<td>At least one semester prior to graduation***</td>
</tr>
</tbody>
</table>

## GRADUATION REQUIREMENTS

<table>
<thead>
<tr>
<th>PROCEDURES</th>
<th>UNDER DIRECTION OF</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of application for graduation</td>
<td>Office of the University Registrar</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 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 the University Registrar</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 Graduate Student Services</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>
<td>Not later than final day of classes of term of graduation*</td>
</tr>
</tbody>
</table>

*The order of these items varies with individual programs.
**Not required in some programs.
***Deadline dates are printed in the Deadline Dates for Graduation and are available on the Graduate Studies Web Page (http://web.utk.edu/~gsinfo).
Admission Requirements

Admission to graduate study 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. The Graduate Council 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 study 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 an 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. An international student may not be admitted on probation.

The stated criteria are the 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 graduate study prior to having received the baccalaureate degree, that degree must be awarded before the date of first registration in graduate courses.

The Office of Graduate Admissions 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 graduate programs 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 Graduate Studies to safeguard the University’s standards.

Application Procedures

Anyone with a bachelor’s degree from a regionally accredited institution or 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 graduate study 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 Graduate Admissions:

1. The completed Graduate Application for Admission (http://admissions.utk.edu/graduate/).
2. A $35 non-refundable application fee.
3. One official transcript from all colleges and universities attended.
4. Scores from Test of English as a Foreign Language (TOEFL) if native language is not English (refer to section on English Certification).

Additional departmental/program requirements may include:

a. Departmental application. Contact the program for forms.

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

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

Application forms for the GRE, GMAT and TOEFL can be obtained by contacting:

Educational Testing Service
Princeton, NJ 08540
http://www.ets.org

Examination results reach the University in approximately six weeks. All documents submitted 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

DEGREE ADMISSION

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

In addition to meeting the minimum requirements, 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.

Minimum requirements (see Admission Requirements) must be met for admission to non-degree status. Some departments do not permit non-degree students to register for graduate courses (see Majors and Degree Programs chart for information on restricted programs).

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. Students anticipating long-term enrollment as non-degree students are advised to apply as undergraduate students in non-degree status. Students holding a degree who are taking additional work as undergraduate non-degree students may be allowed to take 600-level courses for undergraduate credit with the approval of the instructor.

Before accumulating 15 hours of coursework in graduate non-degree status, the student must apply and be admitted to a specific degree program (see Revision of Admission Classification for procedures).

A maximum of 15 graduate hours may be taken in graduate non-degree status. If admitted into a degree program, no more than 15 graduate hours 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 limit 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 Dean of Graduate Studies, 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

Admission to a graduate certificate of credit program requires that a person meet the minimum admission requirements 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 admitted to a certificate program or a degree program.

TRANSIENT 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 Admissions...
Application for Admission, the $35 application fee, and a Transient Student Certification form 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.

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 and be recommended by the program.

Admission of International Students

For admission to a graduate program, 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.

International students may apply for admission any semester, but normally enter the fall semester. The deadlines for submission of applications to the Office of Graduate Admissions are:

- Fall: 1 February
- Spring: 15 June
- Summer: 15 October

The Office of Graduate Admissions must be notified of any change in entering date after admission has been granted.

The following items must be received before admission will be considered:

1. A completed Graduate Application for Admission.
2. A $35 non-refundable processing fee. Payment should be made in United States dollars by a cashier’s check, money order, or personal check payable to the University of Tennessee. If payment is by personal check, it must be drawn on a United States bank to be honored in United States currency. Checks drawn on overseas banks are not accepted. International money orders are suggested.

3. Official or attested university records, with certified translations if the records are not in English (Notarized copies are not accepted).
4. Confirmation of degree(s). Confirmation must be received by the Office of Graduate Admissions at least 2 months prior to term of first enrollment.
5. Certification of English proficiency. Refer to section on English Certification.
6. Documented evidence of financial resources sufficient to support the student, as stated on the financial statement form supplied to the applicant. This form is available at the Graduate Admissions web site: http://admissions.utk.edu/graduate/ or will be sent to the applicant after receipt of application.
7. Additional departmental/program requirements:
   - a. Departmental application. Contact the program for forms.
   - b. Reference letters or rating forms. All program forms should be sent to the college or department.
   - c. Scores from the Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT).

Admission must be granted, and financial documentation and degree confirmation must be received, prior to issuance of an I-20 or IAP-66 form needed to obtain a visa. The University will not issue these forms after the following dates:

- Fall: 15 May
- Spring: 1 October
- Summer: 15 February

The University will not enroll any student who has not been approved initially, or for transfer, by the Immigration and Naturalization Services (INS) to attend UT. An international student may not enroll as a non-degree student nor on probation.

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 programs 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.

Admission of Faculty and Staff Members

If admitted to graduate study, members of the faculty or staff located in Knoxville may take courses as graduate students. Faculty members of UT or the Institute of Agriculture at the rank of assistant professor or above, and members of the administrative staff at UT and the Institute of Agriculture will not normally be admitted to an Ed.D. or Ph.D. degree program at UT. Exceptions may be granted on an individual basis upon petition to the Dean of Graduate Studies. Petitioners must present their request in writing, providing adequate assurance that the residence requirement will be met and that there will be no conflict of academic or administrative interest. Written endorsements must be provided by the respective deans and department heads of the units in which members are employed and in which the doctoral degrees are to be pursued.

Readmission

A student who has not registered for graduate courses at UT for three consecutive terms (including summer) must apply for readmission. A readmission application should be submitted to the Office of Graduate Admissions at least two weeks prior to the desired reentry date. A student who has attended another institution since enrollment at UT must submit one official transcript showing all coursework and any degrees earned at that institution. The student will be notified when action has been taken by the department/program and the Office of Graduate Admissions. A student who is permitted to enroll and is subsequently denied readmission will receive credit for courses completed successfully. Future registration will not be allowed until readmission is granted.

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 online or from the Office of Graduate Admissions. 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 degree program, or from one degree to another within the same department.

The student must be in good standing for a revision to be processed. Acceptance into a new degree program is contingent upon review and recommendation by that department. If the student is not accepted into the program requested, he/she remains in the former program. The results of each request for program change are communicated to the student by mail.
Registration and Enrollment Requirements

Graduate Credit

To earn graduate credit, a student must be admitted by the Dean of Graduate Studies 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 changed retroactively 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 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 will exceed expectations for undergraduates. Graduate and undergraduate completion of the same course will not be considered equivalent. Petitions for retroactive changing of undergraduate to graduate credit will not be accepted.

Courses at the 600 level are taught by faculty who have been approved by the college or by departments, where the college has given them that responsibility. All departments/colleges have a statement of criteria used in eligibility to teach at the 600 level.

Undergraduate and Professional Students

UT SENIORS

Subject to approval by the Dean of Graduate Studies, 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. Senior privilege is extended only to those students working toward a first bachelor’s degree. 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 Student Services. 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 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 Student Services. 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 Dean of Graduate Studies 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 Student Services.

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. Graduate certificate programs require a minimum of 12 semester credit hours taken at 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 Office of the University Registrar. Only those certificate programs that are officially approved by the Graduate Council will be posted on student transcripts. To receive a graduate certificate of credit, students must be admitted to a certificate program or a degree program.

Senior or Disabled Citizens

Legislation gives Tennessee citizens who are 60 years of age or older, 30-year state residents, 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 rate.

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 audit a 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 University Registrar, 209 Student Services Building. To be eligible, a student must be admitted to graduate study. 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, subject to approval by the student’s graduate committee. A fee of $7 per credit hour must be paid before each examination. Proficiency examinations may not be used to raise the grade or change the credit in a course previously completed, nor may such an examination be repeated. Proficiency examinations taken at other institutions are not transferrable.

English Proficiency

Applicants whose native language is not English must pass an English 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 English Department) for undergraduate credit and pass with a grade of C or better. A student may not take more than 9 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 as part of the programs offered by Graduate Student Services. 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 with the Dean of Graduate Studies. 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 one. 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 Timetable of Classes or at Circle Park Online (http://cpo.utk.edu) each term. Registration is accomplished via telephone or web. 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 Office of the University Registrar, (865) 974-2101.

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 Student Services. Non-degree students with no declared major must obtain permission from the department/program head to register for courses in restricted fields.

Conditional Registration

Applicants who appear to meet the admission requirements for graduate study 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. Students who are not
taking coursework and are not yet eligible to register for thesis or dissertation hours, must register for course 502 (Use of Facilities) if they wish to have borrowing privileges in the University Library or to use computer labs, other labs, or other university resources.

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.

With permission of the instructor, an undergraduate student with at least a B average (3.0) may take a 500-level course for undergraduate credit. Exclusions include course 500, 502, and independent or directed study courses for which there are appropriate undergraduate course alternatives.

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, the following the course title indicate the maximum number of hours allowable toward a degree program. This number is stated for undergraduate course alternatives.

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. 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 10 calendar days after the beginning of classes.

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 6-11 semester hours. A student on a one-half time assistantship 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. The academic advisor may allow registration of up to 18 hours during a semester 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.

Grades

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.

Grading. Refer to section on Grades.

-grade/grading 10 days

Between 11-42 days with advisor’s signature

TYPE OF CHANGE

Add course

10 days

Change credit/grading

10 days

Drop course without W

10 days

Drop course with W

84 days

See Timetable of Classes each term for exact dates.

A student may change registration by accessing the telephone registration system or at Circle Park Online (http://cpo.utk.edu/). If additional permission is necessary, a student must execute a change of registration at the Office of the University Registrar, with approval of the instructor, advisor and Office of Graduate Student Services.

Total withdrawal from registration for a semester must be processed through the Office of the University Registrar.

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 6-11 semester hours. A student on a one-half time assistantship 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. The academic advisor may allow registration of up to 18 hours during a semester 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 counted into the GPA.

Grades in graduate study 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 quality points per semester hour), performance well below the standard expected of graduate students.

D (1 quality point per semester hour), clearly unsatisfactory performance and cannot be used to satisfy degree requirements.

F (no quality points), extremely unsatisfactory performance and cannot be used to satisfy degree requirements.

I (no quality points), a temporary grade indicating that the student has performed satisfactorily in the course but, due to unforeseen circumstances, has been unable to finish all requirements. An I is NOT given to enable a student to do additional work to raise a deficient grade. The instructor, in consultation with the student, decides the terms for the removal of the I, including the time limit for removal. If the I is not removed within one calendar year, the grade will be changed to an F. The course will not be counted in the cumulative grade-point average until a final grade is assigned. No student may graduate with an I on the record.

S/NC (carries credit hours, but no quality points), S is equivalent to a grade of B or better, and NC means no credit earned. Courses in which NC is received may be repeated for a grade of S. A grade of S/NC is allowed only where indicated in the course description in the Graduate Catalog. The number of S/NC courses in a student’s program is limited to one-fourth of the total credit hours required.

P/NP (carries credit hours, but no quality points), P indicates progress toward completion of a thesis or dissertation. NP indicates no progress or inadequate progress.

W (carries no credit hours or quality points), indicates that the student officially withdrew from the course.

The grading system available for a course is based on the level of the course. Courses numbered 100-499 are graded letter grade or S/NC, except where noted otherwise in the catalog. Courses numbered 500-699 are graded letter grade only, except where the graduate catalog indicates S/NC only or optional S/NC or letter grade. Veterinary
Graduate education requires continuous evaluation of the student. This includes not only periodic objective evaluation, such as the cumulative grade-point average, performance on comprehensive examinations and acceptance of the thesis or dissertation, but also judgments by the faculty of the student’s progress and potential. Continuation in a program is determined by consideration of all these elements by the faculty and the head of the academic unit.

The academic records of all graduate students are reviewed at the end of each semester, including the summer term. Graduate students must maintain a cumulative grade-point average (GPA) of at least 3.0 on all graduate courses taken for a letter grade of A-F. Grades of S/NC, P/NP, and I, which have no numerical equivalent, are excluded from this computation.

Departments and programs may have requirements for continuation or graduation in addition to the minimum requirements set forth in this catalog for all graduate programs. It is the student’s responsibility to be familiar with the special requirements of the department or program.

**ACADEMIC PROBATION**

Upon completion of nine hours of graduate coursework, a graduate student will be placed on academic probation when his/her cumulative GPA falls below 3.0. A student will be allowed to continue graduate study in subsequent semesters if each semester’s grade-point average is 3.0 or greater. Upon achieving a cumulative GPA of 3.0, the student will be removed from probationary status.

**DISMISSAL**

If a student is on academic probation, the degree or non-degree status will be terminated by the Dean of Graduate Studies if the student’s semester GPA falls below 3.0 in a subsequent semester. When the particular circumstances are deemed to justify continuation, and upon recommendation of the appropriate academic unit and approval of the Dean of Graduate Studies, a student on probation whose semester GPA is below 3.0 may be allowed to continue on a semester-by-semester basis.

Dismissal of a graduate student by a department or program is accomplished by written notice to the student, with a copy to Graduate Student Services. In those cases where the department’s requirements for continuation are more stringent than University requirements for graduate programs, the Dean of Graduate Studies will evaluate the student’s record to determine whether the student is eligible to apply for a change of status and register in another area of study. Registration for courses in a department from which a student has been dismissed will not be permitted, except by written authorization from that department.

**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 nor unknowingly 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 Graduate Studies about the project. Plagiarism will be investigated when suspected and prosecuted if established.

**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 Studies Web Page 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 Council’s minimum requirements for degree programs. Refer to the Fields of Instruction for additional program requirements.

**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. Differs 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.

**Appeals Procedure**

The Graduate Council Appeal Procedure can be obtained at the Office of Graduate Student Services. 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 Graduate Studies, the Graduate Council, and ultimately to the Provost.

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 grades, 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 Hilltoppers under “Student Rights and Responsibilities.” Students with grievances related to race, sex, color, religion, national origin, age, disability or veteran status should file a formal complaint with the Office of Diversity Resources and Educational Services (DRES).
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 Dean of Graduate Studies. At the doctoral level, courses are not officially transferred although they may be considered 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 the University Registrar from all institutions previously attended before any credit will be considered.

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 Dean of Graduate Studies on the Admission to Candidacy form.

Courses transferred to any graduate program will not affect the minimum residency 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 institution.

MASTER'S DEGREE

A minimum of one-half of the total hours required for a master's degree must be taken at UT. Transferred courses must have been completed within the six-year period prior to receipt of the degree. The courses must be listed on the Admission to Candidacy form and will be placed on the student's UT transcript only after admission to candidacy.

ED.S. DEGREE

A maximum of six semester (nine quarter) hours of coursework beyond the master's degree may be transferred to an Ed.S. program. Transferred courses in the most recent 30 hours taken for the degree must have been completed within the six-year period prior to the receipt of the degree. The courses must be listed on the Admission to Candidacy form and will be placed on the student's UT transcript only after admission to candidacy.

DOCTORAL DEGREE

Coursework taken prior to admission to a doctoral program may be used toward the degree, as determined by the student's doctoral committee. Although the courses are used as part of the requirements toward the degree and are listed on the admission to candidacy, they are not officially transferred courses and are not placed on the student's UT transcript.

Theses and Dissertations

All theses and dissertations are submitted in paper or electronic format to the Thesis/Dissertation Consultant in the Office of Graduate Student Services for examination. (Refer to Dissemination of Final Copies regarding different submission processes.) The Consultant will review the material and assure that it is appropriately presented, free of technical errors in format, suitable for binding or for electronic submission, and reflects credit upon graduate education at the University of Tennessee. 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 Guide to the Preparation of Theses and Dissertations (available on the Graduate Studies web site) provides the correct format for theses or dissertations. Workshops are held periodically throughout the academic year. The date for each workshop is announced on the Graduate Studies web site.

FOREIGN LANGUAGE

The thesis/dissertation normally should be written in English. Under exceptional circumstances, another language may be used if prior approval is obtained from the Dean of Graduate Studies. A request to write in a language other than English should be submitted to the Dean of Graduate Studies 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.

DISSEMINATION OF FINAL COPIES

Paper copies approved for final submission will be sent to the University Libraries bindery one month after conferral of the graduate degree. One of the bound copies will be placed on the shelf in Hodges Library for circulation, the second bound copy will be placed in Library Archives. The circulation copy will appear in the library catalog and on the shelf approximately one year after conferral of the graduate degree. A student must, as a condition of a degree award, grant royalty-free permission to the University to reproduce and publicly distribute, including by electronic and digital technologies now known or developed in the future, on a non-commercial basis, copies of the thesis or dissertation. Electronic copies approved for final submission will be catalogued and placed on the ETD web site (http://etd.utsd.edu) approximately four weeks after the conferral of the graduate degree. At this time, the electronic copies will be publicly distributed.

Graduation

A student planning to graduate must submit an application for graduation the term he/she intends to graduate. The graduation application begins the final checking of degree requirements and is used to order the diploma. If the student does not graduate that term, a new graduation application must be submitted for the appropriate term. The form is submitted to the Office of the University Registrar. Deadlines and steps to graduation are available on the Graduate Studies web site. Also refer to Summary of Procedures for Master's, Ed.S. and Doctoral Degrees. Commencement and doctoral hooding ceremonies are held in fall and spring terms. There is no ceremony in summer term.

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 indicates agreement 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 any prerequisite 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 the University Registrar no later than the last day of classes 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 Graduate Student Services. 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 an original research project completed by the student. It must be prepared according to the most recent Guide to the Preparation of Theses and Dissertations, available at http://web.utk.edu/~thesis. Paper or electronic submission will be approved by the student’s committee prior to final preparation of the thesis. Two paper copies or an electronic copy of the thesis must be accompanied by two approval sheets, signed by the members of the master’s committee. The approval sheets reflect the final format for submission. The approval sheets certify that the committee members have examined the final copy of the thesis and have found that its form and content are satisfactory.

FINAL EXAMINATION FOR THESIS AND PROBLEMS IN LIEU OF THESIS

A candidate presenting a thesis or problems in lieu of thesis must pass a final comprehensive oral (or oral and written) examination covering the material of 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 Dean of Graduate Studies, the examination must be in University-approved facilities. This examination should be scheduled through the academic department at least two weeks prior to the examination. This examination must be held at least two weeks before the final date for acceptance and approval of the thesis. 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 Dean of Graduate Studies, the examination must be given in University-approved facilities. It should be scheduled through the academic department at least two weeks prior to the examination. 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 Dean of Graduate Studies. 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 Office of Graduate Admissions, 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.

ADMISSION TO CANDIDACY

Admission to candidacy indicates agreement 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 the Registrar 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 them 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 Ed.S. degree. Research and problems in lieu of thesis are not given credit toward the degree. 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 should be scheduled through the academic department at least two weeks prior to the examination and will be conducted in University-approved facilities by the student's committee. 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

Three doctoral degree programs are available: Doctor of Philosophy (Ph.D.), Doctor of Education (Ed.D.), and Doctor of Audiology (Au.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 by the 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 hours, 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 Dean of Graduate Studies.

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 Graduate Student Services.

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 the University Registrar at least one week prior to the examination and must be conducted in University-approved facilities. 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 Graduate Student Services. 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 the Registrar in accordance with the dates and times for the examinations published online. 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 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 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 on the Graduate Studies web page.

ADMISSION TO CANDIDACY
Admission to candidacy indicates agreement 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 requirement (if 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 Office of the University Registrar 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 semester and the semester in which the dissertation is approved and accepted by Graduate Student Services. 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 leaves of absence from dissertation research up to a maximum of six terms (including summer terms). The request, approved by the major professor, will be submitted by the student and filed in the Office of the University Registrar.

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. Time spent working full time on the dissertation should register for 12 hours of course 600 per semester. Paper or electronic submission will be approved by the student’s committee prior to the final preparation of the dissertation. Two paper copies or an electronic copy of the dissertation (prepared according to the regulations in the most recent Guide to the Preparation of Theses and Dissertations, available at http://web.utk.edu/~thesis) must be submitted to and accepted by the Office of Graduate Student Services on behalf of the Graduate Council. Each dissertation must be accompanied by two approval sheets, signed by all members of the doctoral committee. The approval sheets reflect the final format for submission. The approval sheets certify to the Office of Graduate Student Services that the committee members have examined the final copy and found that its form and content demonstrate scholarly excellence. Microfilm Agreement form, Summary 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.

Fees and Financial Assistance
Residency Classification for the Purpose of Paying University Fees and for Admission Purposes
Initial residency classification is determined by an Admissions Processor from information contained on the University of Tennessee Graduate Application for Admission. Notice of classification is sent at the time the applicant is notified of admission. Students classified as out-of-state, or whose status is unclear, should submit an Application for Residency Reclassification to the Residency Classification Office. The deadline for submission of the completed classification application and supporting documentation is the tenth day after classes begin for the semester. Classification will be determined and the applicant will be notified by mail. Additional information regarding the State of Tennessee regulations for classification may be found at the Office of the University Registrar website, http://web.utk.edu/~registrar/.

University Fees
For the most current listing of tuition and fees at The University of Tennessee, see http://web.utk.edu/bursar/

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; (2) signing a Confirmation of Attendance form; or (3) setting their Confirmation of Attendance on the web at CPO.UTK.EDU if no fees are due.
If the student does not owe fees due to a waiver (staff, GA, GTA, GRA, etc.), financial aid including scholarships, or if fees are paid by another source, a signed Confirmation of Attendance Form must be received by the Bursar’s Office or the student must set their confirmation on the web at CPO.UTK.EDU on or before the due date published in the Timetable of Classes each semester. The schedule will be canceled if one of the above is not accomplished each term on or before the published due date. This includes graduate assistants, teaching assistants, fellowship students, 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.

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

Part-time students may elect to pay fees computed by the semester hour credit (or audit) at the rates published in the above web site, with the total charge not to exceed the regular maintenance fee for in-state students or the maintenance fee plus tuition for out-of-state students.

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

APPLICATION FEE

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 Admissions within the previous 12 months; or (3) paid and required if: (1) former UT graduate student; (2) paid to UT Graduate Admissions 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 resubmit the application fee and a new application. This fee is not refundable.

VOLXPRESS

VOLXpress is The University of Tennessee’s centralized accounting system. Students may pay their fees via the mail, in person, or on the web at CPO.UTK.EDU. Through VOLXpress, statements are mailed to each student’s billing address that include class schedules, drop/add activity, current tuition and fees, fee waiver information, fines and past-due amounts, pending financial aid that can be credited toward fees, 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 address on the web at CPO.UTK.EDU to ensure timely receipt of a VOLXpress Statement. Each Timetable of Classes lists the dates of registration and when it statements will be mailed. Failure to receive a statement does not relieve the student of their obligation to pay on or before the due date.

UNIVERSITY PROGRAM AND SERVICES FEE

http://web.utk.edu/bursar/volxfees.html

The purpose of the University Programs and Services Fee (UPSF) is to provide non-instructional facilities and programs of an educational, cultural, social, recreational, and service nature for The University of Tennessee students. The fee has three components which include program, health, and capital. The health portion of the fee is included only with the payment of the full UPSF (refer to Student Health Insurance and Student Health Services for additional information).

Students enrolled in nine or more hours are assessed the full-time University Programs and Services Fee. Students enrolled for less than nine hours are assessed a pro-rated fee based on the highest number of hours for which the student is enrolled at any time during the semester. The fee is non-refundable.

Graduate, teaching, and research assistants, teaching associates, and fellowship students must pay the University Programs and Services Fee even if they have a waiver of fees (tuition and/or maintenance).

Any part-time student may elect to pay the health portion of the UPSF in addition to the standard pro-rated assessment. Part-time students enrolled in six or more hours may elect to pay the full-time UPSF instead of the standard pro-rated assessment.

TECHNOLOGY FEE

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

FACILITIES FEE

The Facilities Fee is used to provide students with upgraded classroom facilities, expand information technology into the classroom, and assist in funding a backlog of campus and classroom projects that will enhance the University’s facilities.

TRANSPORTATION FEE

The Transportation Fee is a mandatory fee assessed to all students enrolled in credit and audit courses. The fee is used to provide students with a convenient method of movement around campus. The fee will subsidize the costs associated with the new comprehensive campus transit system.

SPECIAL COURSE FEES

Academic areas, such as Art, Biology, Chemistry, Engineering, Bowling and Golf, charge fees per specific course sections. Refunds on these fees are determined by the department or on the same percentage as maintenance and tuition.

GRADUATION FEE

Master’s degree candidates $30
Doctoral degree candidates $75

There are no additional charges for diploma, binding, or microfilming. The graduation fee is non-refundable and is valid for two semesters after the semester in which it is paid.

FEES FOR COURSES NOT TAKEN FOR CREDIT

Fees for courses audited are the same as for courses taken for credit. For fee purposes, courses listed for 17 credit hours are considered as one-hour courses.

FINAL REGISTRATION LATE FEE

Assessed to students who register during Final Registration (including those who were canceled during Priority Registration). Payment of fees or a Confirmation of Attendance form must be turned in to one of the Bursar’s Office locations by the Final Registration payment due date. This due date will be published in the Timetable available from the Registration Office. The Final Registration Late Fee is non-refundable.

See the Timetable of Classes for the dates and fees to be assessed during Final Registration.

RESTATEMENT FEE

VOLXpress (fee) accounts which have a balance one month prior to the end of a term will be assessed a re-statement fee, and grades will be withheld.

RETURNED CHECK SERVICE FEE

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 re-deposited. 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, schedule of classes and check cashing/writing services. Failure to pay may also result in additional late fees, collection costs and reasonable attorney fees.

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. All financial aid must be applied toward fees before a deferment will be considered. A deferred payment service fee is assessed when any portion of tuition, fees, and other charges are deferred with the approval of the Bursar’s Office. An additional late payment fee will be assessed on each installment 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 reinstatement fee will be assessed if fees are not paid by one month prior to the end of the term.
REFUNDS

Refunds are defined as the portion of maintenance and/or tuition and University housing/meal charges due as a rebate when a student withdraws or drops a portion of class hours. Refunds are also processed as a rebate on some fines/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 refunded to the credit card charged or mailed to the student's billing address.

REFUND/CHARGE OF FEES FOR WITHDRAWAL
(DROP ALL CLASSES)

After payment of fees and/or a Verification of Attendance Form has been submitted by the student, withdrawal for the semester must be by official notification to the Office of the University Registrar, 209 Student Services Building. Failure to attend class does not automatically withdraw or drop a student from college or class.

The effective date of the withdrawal is the date the appropriate withdrawal office is notified by completion of the official withdrawal request form. The appropriate percentage of fees (maintenance and tuition and technology fees only) will be charged unless this action is completed by the close of the day before the first official day of classes for the semester. Failure to notify the appropriate withdrawal 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. See the Timetable of Classes for the dates and percentage charges for the semester in questions.

FINANCIAL AID WITHDRAWALS (REPAYMENTS)

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

Refunds and repayment 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 back to the financial aid program(s) according to the Refund/Repayment Allocation Policy.

For examples see the Bursar Office Web Site at http://web.utk.edu/bursar/

REFUND/CHARGE OF FEES FOR DROPPED COURSES
(CONTINUE WITH A REDUCED COURSE LOAD)

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 the change of registration form is processed or the date the drop was entered in the registration telephone system or on CPO.UTK.EDU. Any refund due for dropped courses will be made after the drop deadline. See the Timetable of Classes for the drop charge/percentage refund for the semester in question.

WAIVER OF FEES

Graduate assistants, teaching assistants, and associates in research assistants, staff and others whose fees are billed, prepaid, waived, or partially waived must 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 their schedule will be canceled. 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 The University of Tennessee employee spouse/dependents discounts.

GRADUATE STUDENT EMPLOYEES INSURANCE

Effective Fall Semester 2003, all Graduate Assistants, Graduate Teaching Assistants or Associates, and/or Graduate Research Assistants who are employed at least 25% FTE will automatically be enrolled in the Graduate Student Employee Insurance Program. These students will have 100% of the premium paid by the university. The health insurance benefit applies to 9-month and 12-month appointments. These students may elect to add spouse or dependent coverage at their own expense. If students already have insurance coverage through another insurance carrier, this policy functions as additional coverage.

The Student Health Clinic will manage the Graduate Student Employee Health Insurance Program.

STUDENT HEALTH INSURANCE

The University makes available, by contract with an insurance company, group health insurance expressly for students who do not have a graduate assistantship. 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 international students, enrollment for insurance is not part of registration for classes. NOTE: The family health insurance policy should be carefully reviewed, since many family policies do not cover a dependent child after a given age, some as early as nineteen.

VOLCARD

The VolCard is issued to a new student after admission at the appropriate University level or anytime during the year to all students. The VolCard is used in nearly all aspects of campus life to obtain services including meals, vending machines, computers, laundry machines, check cashing, sporting events, cultural attractions, residence halls access, library, recreational facilities and equipment, University Bookstore, and much more. Many students have established debit or charge accounts which are accessed through use of the VolCard ID. These cards are non-transferable and may not be duplicated. The VolCard must be carried at all times for purposes of identification. Students are responsible for the safekeeping of this card and must immediately report it lost or stolen if the card is not in their possession. Failure to notify the VolCard office will make the student liable for any unauthorized charges to the debit on charge accounts the student may have.

To obtain a new VolCard or replace a lost or stolen card, report to the VolCard Office, Room 472, S. Stadium Hall (between gates 12 and 13 at Neyland Stadium) on Stadium Drive. There is a minimum charge of $10.00 for replacement of a VolCard.

FEES FOR SPONSORED INTERNATIONAL STUDENTS

An administrative management fee will be charged to sponsoring agencies of international students whose programs require special administrative or management services beyond those normally provided.

Fees are $250 per semester and $100 per summer session.

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.

ACADEMIC COMMON MARKET

The Academic Common Market is an agreement among Southern states for sharing unique programs. Participating states can make arrangements for their residents who are fully admitted to specific programs at The
University of Tennessee to enroll on an in-state tuition basis if these programs are not available in the state of residence.

Cooperating states in the Academic Common Market are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

Students must be fully admitted to the appropriate degree program, and the letter of certification must be released by The University of Tennessee no later than the first day of classes for the effective semester. Residents of member states who seek further information on approved programs should contact the Southern Regional Educational Board, 592 Tenth Street, N.W., Atlanta, GA 30318-5790, (404) 875-9211, FAX (404) 872-1477, http://www.sreb.org; or Norma Harrington, Office of Undergraduate Admissions, (865) 974-7725.

FELLOSHIPS

The Office of Graduate Student Services administers the Hilton A. Smith Graduate Fellowships and the Herman E. Spivey Graduate 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 Hilton A. Smith. Candidates for graduate study in the humanities are invited to apply for the Herman E. Spivey fellowships. The Hilton A. Smith and the Herman E. Spivey fellowships include monthly stipends, tuition, and maintenance fees. Information is available from November through January on the Graduate Studies web site.

EMPLOYMENT

The Office of Financial Aid and Scholarships coordinates the Federal Work Study Program which provides part-time off- and on-campus jobs for U.S. citizens or permanent residents who have demonstrated financial need by completing the Free Application for Federal Student Aid (FAFSA). A wide range of jobs are available in academic units, administrative offices, and non-profit agencies.

GRADUATE STUDENT TRAVEL FUND

The University Program and Services Fee (UPSF) Graduate Student Travel Fund is administered by the Office of the Dean of Students in cooperation with the Graduate Student Association and the Dean of Graduate Studies. Allocations from this fund are utilized to provide travel awards for UT graduate students attending professional meetings. The awards are made on the basis of merit, not need, and allow for partial reimbursement of transportation, lodging and registration expenses.

Travel award requests must be filed using the current UPSF Graduate Student Travel Fund application. Applications can be picked up at the Office of the Dean of Students (413 Student Services Bldg.) or downloaded from the GSA web site at http://web.utk.edu/~gsa. Applications must be submitted to the Office of the Dean of Students by the following deadlines:

- Summer Term: April 22
- Fall Semester: September 2
- Spring Semester: November 11

LOANS

Students must apply through the Office of Financial Aid and Scholarships for all loan programs. Loans are limited to U.S. citizens and certain permanent residents. 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 may have to provide a Financial Aid Transcript to the Financial Aid Office even if no financial aid was received from the previous institution if enrollment is at mid-year.

All students receiving federal 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 Financial Aid and Scholarships, 115 Student Services Building.

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 in Room 209, Student Services Building. Maximum benefits are paid by the Department of Veterans Affairs 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 expressed consent of the student. 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 education programs and services or employment opportunities and benefits. This policy extends to both employment by and admission to the University.

The University does not discriminate on the basis of race, sex, or disability in the education programs and activities pursuant to the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990.

Inquiries and charges of violation concerning Title VI, Title IX, Section 504, ADA, the Age Discrimination in Employment Act (ADEA), or any of the other above referenced policies should be directed to the Office Equity and Diversity (OED); 1840 Melrose Avenue; Knoxville, Tennessee 37996-3560; telephone (865) 974-2498 (TTY available). Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Human Resources Management; 600 Henley Street; Knoxville, Tennessee 37996-4125.

Special Federal and State Laws and University Policies

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act provides for confidentiality of student records. However, it also provides for basic identification of persons at UT without the consent of the individual. Release of information to the parents includes directory information such as is contained in the campus telephone book and sports brochures. Such information may include name, address, telephone number, date and place of birth, major, date of attendance, degrees and awards, the most recent previous educational agency or institution attended, participation in school activities and sports, and weight and height (for special activities).

Notice of the categories to be contained in a publication will be given in advance. A period of one week is provided during which a student may request that such information not be released.

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.
Drug-Free Campus and Workplace

In support of the Drug-Free Workplace Act of 1988 (Public Law 100-690) and the Drug-Free Schools and Communities Act of 1989, The University of Tennessee is notifying all students, faculty, and staff of the following University policy approved by the UT Board of Trustees on 21 June 1990.

It is the policy of The University of Tennessee to maintain a safe and healthful environment for its students and employees. Therefore, University policy prohibits the unlawful use, manufacture, possession, distribution, or dispensing of drugs (“controlled substances” as defined in the Controlled Substances Act, 21 U.S. C.812) and alcohol on University property or during University activities.

Violation of this policy is grounds for disciplinary action—up to and including immediate discharge for an employee and permanent dismissal for a student. Federal and state laws provide additional penalties for such unlawful activities, including fines and imprisonment (21 U.S. C.841 et seq.; T.C.A. 39-6-401 et seq.). Local ordinances also provide various penalties for drug and alcohol-related offenses. The University is bound to take all appropriate actions against violators, which may include referral for legal prosecution or requiring the individual to participate satisfactorily in an approved drug use/alcohol abuse assistance or rehabilitation program.

Aside from any University policy considerations, the use of illicit drugs and/or the abuse of alcohol may be harmful to your health. 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

Overdosing—psychosis, convulsions, coma, death
Long-term use—organ damage, mental illness, malnutrition, death
Casual use—heart attack, stroke, brain damage, death
Needles—infections, 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 student, the graduate assistant 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/or 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/or research mission of the university. The totality of responsibility 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 either nine or twelve monthly installments. In addition to 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 a 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 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.

Graduate Teaching 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 assistantships 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 ensuring 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 should 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 so in terms of averages. For a one-fourth time appointment, the graduate assistant’s normal work time should not exceed 10 hours per week. For a one-half time appointment, the average number of hours should not exceed 20 hours per week. Appointments exceeding 50% must have prior approval of the Dean of Graduate Studies, excluding Summer term. The normal number of hours for conducting an assignment should be mutually understood by the graduate assistant and immediate supervisor. For percentage efforts not covered by these appointments above, the normal work time per week will be prorated.

2. A one-half time graduate assistant in each of the four categories of assistantships normally should enroll for 6-11 semester hours of coursework. A one-fourth time graduate assistant in each of the four categories of assistantships normally should take 9-13 semester hours. Exceptions to the above must have prior approval of the Head of the student’s academic home unit. A student on a one-half time assistantship who takes at least six semester hours will be considered full-time.

   The student’s academic home unit is responsible for implementing these policies, regardless of the assignment or responsible account. It is therefore essential that the home unit be notified by any other unit employing the student of any assistantship awarded at the time of its initiation or renewal.

QUALIFICATIONS OF GRADUATE ASSISTANTS

Graduate assistants must be currently enrolled in graduate study (as fully-admitted degree-seeking students, non-degree students, or graduate students, in his/her program). 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:

1. 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 the teaching discipline, be under the direct supervision of a faculty member experienced in the 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.

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 requirement 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. Exceptions should be noted on this form, but a memo and appropriate documentation should be forwarded to the Office of Graduate Student Services, P105 Andy Holt Tower.

COMPETENCY IN ENGLISH

The University of Tennessee requires all who teach 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 through the Office of Graduate Student Services. The Test of Spoken English (TSE) may be taken in lieu of the SPEAK Test and the results of this test will be communicated to the appropriate department to be used in determining the nature and extent of instructional or other duties assigned the Graduate Teaching Assistants or Graduate Teaching Associates. Suggested modes of remediation will be given to the department and graduate student when appropriate.

New international students who have been offered 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 taken the TSE and received acceptable scores may be excused from the requirement of taking the SPEAK test.

Validation of competence in communicating with students in English is required for all who are responsible for working with students. Deans, Department Heads, and Directors are responsible for validating such competence, using the appropriate university form (APR FORM 1-89).

RIGHTS/RESPONSIBILITIES OF GRADUATE ASSISTANTS

1. As specified in the Personnel Policies and Procedures Manual (Section 100 105-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 scholarly 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 scholarly programs. Collaborative efforts between graduate assistants and their supervisors should be focused on the goal of satisfactory performance in both these 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 Graduate College involved. If the student feels that a resolution should be sought beyond the Department/College level, the Dean of Graduate Studies should be contacted. Established procedures outlined in the Graduate Council Appeals Procedure and/or Hilltopics will be followed.

3. Graduate assistants’ benefits as employees of the University of Tennessee, in addition to fee waivers as explained elsewhere, 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 100 105-Pr2-3).

4. Graduate student assistantship appointments (Graduate Assistants, Graduate Teaching Assistants, Graduate Teaching Associates and Graduate Research Assistants) are of two types: “academic year” and “twelve month or other.” Students on academic year appointments from the Fall and Spring terms receive 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 equal monthly payments for the January-July period or 6 equal payments for the February-July 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 “twelve 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 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 terms here specified must be made in writing by the student to the Dean of Graduate Studies.

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 remedy 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 and sent 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/college supervisor of graduate assistants (where one exists), the appropriate project director, department head, dean of the college, and the Dean of Graduate Studies.

ORIENTATION/TRAINING OF GRADUATE TEACHING ASSISTANTS AND GRADUATE TEACHING ASSOCIATES

There must be a thorough, systematic plan of orientation/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 Office of Graduate Student Services provides a seminar for Graduate Teaching Assistants and Graduate Teaching Associates who will be teaching at The University of Tennessee. 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.

ORIENTATION/TRAINING OF GRADUATE ASSISTANTS AND GRADUATE RESEARCH ASSISTANTS

Graduate Assistants and Graduate Research Assistants must also participate in a thorough, systematic orientation and training program. This training is usually at the department or college level, but the Office of Research at the University level is available to assist with programs designed to help train the Graduate Research Assistant in various aspects of the job to be done.

One type of specialized training is “on-the-job.” Graduate assistants who work in laboratories may receive initial orientation, followed by work experiences which constitute training. In such instances, the “on-the-job” training period should be clearly known by the student assistant.

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 actual 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.

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 programs and services as an on-going part of the University’s retention efforts. The Tutorial and Early Alert Programs, along with the library, computer lab, student lounge, and multi-purpose area, serve as an extension to services provided across campus. The Center houses several student organizations that plan activities ranging from guest lecturers, Black History Month events, Welcome Week activities, and carnivals to renown speakers.

The new Center opened in June 2002 and is located at 1800 Melrose Avenue. It is a testament to the University’s commitment to the entire student population and is a unique, landmark structure. The University community is encouraged to visit the facility and take advantage of the opportunities provided for all students.
**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 opportunity 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 web site 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 web site. 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. Visit the web site at http://career.utk.edu.

**Center for International Education**

The Center for International Education (CIE), located at 1620 Melrose Avenue, promotes and supports all aspects of international education and international exchanges at UT, both for American students and faculty and for students and faculty from other countries. CIE coordinates the administration of official linkage agreements between UT and institutions of higher education in other countries.

Programs Abroad: The University of Tennessee strongly encourages students to undertake a semester, summer or academic year of study outside of the United States. Time spent abroad increases a student’s ability to understand another culture, helps them better understand their own country and its place in the world, and enhances their resume. In addition students gain confidence as they successfully face the unique challenges of living abroad.

The Programs Abroad Office (PAO) can help students find an opportunity that meets their needs. Programs are available in many countries, vary in length from 10-days to a full academic year, and sometimes cost only a little more than it would cost to attend UT. Financial Aid can be used and credits transfer back to fulfill university requirements. Advanced planning helps assure that study abroad does not delay graduation.

In addition to formal study abroad, the PAO has information about other types of opportunities for graduate students to enjoy a significant international experience. These include volunteer programs, work-based experiences including teaching English abroad, internships, and experiential learning. Students are encouraged to visit the PAO to learn more about the international opportunities available to them.

International Scholarships: CIE coordinates campus administration of such international grants and scholarships for students as the Fulbright, Rhodes, Marshall, David L. Boren NSEP, W.K. McClure, and provides information about other sources of funding for overseas study and research, including the Rotary Foundation and German Academic Exchange Service (DAAD) grants. CIE also administers the UT portion of the University of Bonn’s Transatlantic Summer Academy (TASA) for graduate students and upper-division undergraduates. Within its library on study, work and travel abroad, CIE has information on student summer job programs in seven countries.

International students and scholars: CIE provides information and assistance in matters relating to United States visa issues and U.S. Immigration and Naturalization Service regulations. It produces The Link, an on-line 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 semester facilitate adjustment to the campus and community, and provide essential information related to U.S. laws for international students.

The International House: The “I-House,” 1623 Melrose Avenue, is CIE’s on-campus social, recreational and programming center, which serves as a meeting place for international and U.S. students, faculty and staff.

Contacts: International students seeking admission to UT should contact directly the Office of Graduate Admissions, email: gainfo@utk.edu. Contacts for general inquiries to CIE are cie@utk.edu, phone (865) 974-3177, web site: http://www.Utinternational.org. The I-House web address is http://web.utk.edu/~ihouse and the phone 865 974-4453.

**Dining Services**

UT Dining Services recognizes that campus dining is a large part of the college experience. Students have the choice of a variety of meal membership options depending on the type of dining desired. Meal memberships are available to all students living on or off campus. Additional information may be obtained from UT Dining Services, 1017 Francis Street #108, Knoxville, TN 37996; (865) 974-4111; or at www.utdining.com.

**Early Education Programs**

The Child Development Laboratories, operated by the Child and Family Studies department within the College of Education, Health, and Human Sciences, currently offer early education 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) 974-0843.

**Graduate Student Association**

The Graduate Student Association is the (official campus-wide) organization that represents graduate and professional students at the University of Tennessee. Each graduate and professional program of study has a representative elected/selected by his or her fellow students in the respective program. The GSA President and Vice President are elected in the annual SGA elections. GSA has representation on various university-wide committees and represents graduate and professional student concerns to the Graduate Council.

For more information on the GSA, call (865) 974-2377, email: gsa@utk.edu, or check the web site at http://web.utk.edu/~gsa.

**Hearing and Speech Services**

The Hearing and Speech Center, located at the corner of Peyton Manning Pass and Phillip Fulmer Way, offers complete diagnostic and treatment services to all University students with speech and language disorders/differences and/or hearing disorders. Services are available to any student who has paid the full UniversityPrograms and Services Fee or, if part-time, any student who has paid the optional student health service fee. A fee for special testing may be charged.

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

The University strives to maintain convenient and comfortable residence hall facilities, which are available to all single students at a reasonable cost. Many residence halls provide excellent study facilities, including computer rooms, and are all within easy walking distance of classrooms and other university facilities. 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.

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.

Additional information may be obtained from the Department of University Housing, 405 Student Services Building, The University of Tennessee, Knoxville, Tennessee 37996-0241; (865) 974-2571; http://web.utk.edu/~reshalls8.

Minority Student Affairs

The Office of Minority Student Affairs is located in the Black Cultural Center, 1800 Melrose Place. The office serves as a link between the University and its minority student population. It provides academic, educational, social and cultural programs to assist with the academic performance and retention of African-American students. Programming through the office includes mentoring 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.

Office of Disability Services

The Office of Disability Services (ODS) is committed to providing equal opportunities for students and employees with disabilities at the University of Tennessee. The primary objective for the office is to eliminate accessibility barriers to provide individuals with disabilities equal access to academic, social, career, cultural and recreational opportunities offered within the university.

To ensure that services are provided in a timely manner, prospective students with disabilities are encouraged to contact ODS at least one month prior to the semester in which they plan to attend. Contact with the students prior to registration enables the ODS staff to better assess the need for interpreters, readers, accessible facilities, and other support services. The T-Access, the university’s new transportation system, is available to transport those individuals with mobility limitations, whether permanent or temporary. Most disabilities require documentation within the past three years from an attending physician or psychologist. However, some disabilities may require more updated documentation. Please contact the office if you have any questions.

Telephone: (865) 974-6087; fax: (865) 974-9552; or e-mail: ods@tennessee.edu.

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 times, 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 Boulevard 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 but at least 3 hours, paying the optional health fee). These outpatient services are available continually throughout every term. 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.

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

The State of Tennessee requires that all students born after 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 vaccinations.

For additional information, visit the web site at: http://web.utk.edu/~kgivens/.

Vehicle Operation and Parking

The University of Tennessee endeavors to provide adequate facilities for vehicles operated by students and staff. However, areas available for parking are necessarily limited. To reduce traffic congestion within the campus area, large parking areas are located on the perimeter of the campus. A comprehensive campus transportation system, called "The T," connects the Agricultural Campus, residence halls and The Hill. This service provides direct access to and from the heart of campus. Transportation service is also available to university apartments.

A parking permit is required for parking on all University lots, streets, parking structures, or leased lots. Persons who operate a motor vehicle in connection with attendance or employment at the University must register that vehicle with the Parking Services Office.

A University Traffic and Parking authority determines the parking policy, traffic regulations, and fees. Complete information is published each year in the "University Traffic and Parking Regulations" and is available at the Parking Services Office, 24 University Center or 2121 Stephenson Drive; at the Parking Information Center at Circle Park. For additional information, visit the web site at: http://web.utk.edu/~pso.

Women's Center

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.
College of Agricultural Sciences and Natural Resources

Dr. Jack Britt, Vice President for the Institute of Agriculture and Acting Dean
Dr. Mary Lewnes Albrecht, Associate Dean for Academic Programs
Dr. Thomas H. Klindt, Associate Dean, Tennessee Agricultural Experiment Station
Dr. C. Roland Mote, Assistant Dean, Tennessee Agricultural Experiment Station
Dr. Robert H. Orr, Coordinator, International Programs in Agriculture and Natural Resources
Ms. Emily Gray, Director of CASNR Student Services

Departments
- Agricultural and Extension Education
- Agricultural Economics
- Animal Science
- Biosystems Engineering and Environmental Science
- Entomology and Plant Pathology
- Food Science and Technology
- Forestry, Wildlife and Fisheries
- Plant Sciences

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 units of The University of Tennessee’s Institute of Agriculture.

There are many shared resources and positive interactions between various units of the Institute. 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 opportunities. The Agricultural Experiment Station provides 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.

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, Animal Science, Biosystems Engineering, Biosystems Engineering Technology, Entomology and Plant Pathology, Food Science and Technology, Environmental and Soil Sciences, and Plant Sciences and Landscape Systems. Majors only are available in Forestry and Wildlife and Fisheries Science, and minors are available in General Agriculture. 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 with majors in Animal Science, Biosystems Engineering, Food Science and Technology, Natural Resources, and Plants, Soils, and Insects is offered in the College.

College of Architecture and Design

Marleen Davis, Dean
Max A. Robinson, Director
Jon P. Coddington, Graduate Program Head, Architecture

School
Architecture

The graduate program in architecture is a relatively new program, with its first class entering in 1993. However, the School of Architecture, with its professional Bachelor of Architecture program, celebrated its thirty-fifth birthday in 2000. In addition to the undergraduate and graduate programs in architecture, the College also offers an undergraduate degree in interior design. All professional programs in the College are fully accredited, enabling graduates to pursue licensure throughout the U.S.

The graduate program in architecture is a first professional degree program. It is designed to accommodate students who come from a variety of academic backgrounds and interests. This includes students who have had little or no previous formal training in the field of architecture but have
discovered a deep and abiding interest in the subject. The program also accommodates students who have received an architectural education but have not completed the requirements for a professional degree. These students may receive some advanced standing in the program.

In the U.S., most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards.

Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the preprofessional degree is not, by itself, recognized as an accredited degree.

The University of Tennessee's Master of Architecture program received a full six-year accreditation as a result of its last NAAB accreditation review in 2002. The graduate program in architecture defines architecture broadly as the creation of human habitats. Architecture at Tennessee is more than the design of individual buildings. Rather, it is dedicated to the shaping of community in the fullest sense of the word. The curriculum reflects the program's recognition that architecture is fundamentally shaped by environmental and cultural forces. As such, the humanities, social sciences, arts, and applied sciences are all brought to bear on the discipline of architecture. It is through design that such issues can be thoughtfully explored and given physical form. Thus design plays a central role in this comprehensive and creative process.

As a professional program, the College is committed to help students obtain the requisite knowledge and skills needed to enter and fully participate in the profession of architecture. At the same time, it attempts to maintain a wide vision and critically reach beyond the profession without losing contact with the realities of everyday architectural practice. Designed to be challenging and provocative, the program allows students the opportunity to develop discernment and judgment, enabling them to find their own voices as designers who are accountable contributors to the built environment.

The offices of the graduate program and college administration are located at 217B Art and Architecture Building.

### College of Arts and Sciences

**Departments**

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

**Schools**

- Art
- Music

**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.


**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 members 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.
College of Business Administration

Jan R. Williams, Dean
Sarah F. Gardial, Interim Associate Dean, Academic Affairs
William F. Fox, Director, Center for Business and Economic Research
John E. Riblett, Director of Executive Development Programs

Departments
Accounting and Business Law
Economics
Finance
Human Resource Development
Management
Marketing, Logistics and Transportation
Statistics

Facilities for Research and Service
Center for Business and Economic Research
Center for Executive Education

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 irrepressible 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 Collegiate 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 Organization Psychology, and Management Science; the Master of Arts with a major in Economics; the Master of Science with majors in Human Resource Development, Management Science, and Statistics; the Master of Accounting; 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 Communication and Information

Faye D. Julian, Interim Dean
C. Edward Caudill, Associate Dean for Graduate Studies

Schools
Advertising and Public Relations
Communication Studies
Information Sciences
Journalism and Electronic Media

Facilities for Research and Service
Advanced Internet Technologies (AIT)
Center for Information Studies (CIS)
Communications Research Center (CRC)

The College of Communication and Information fosters among students and the larger community a sense of the legal and ethical responsibilities of access to information and the exercise of expression in a democratic society. Additionally, the College serves the professional goals of preparing students for careers in communication and information professions.

The College includes four schools: School of Advertising/Public Relations, School of Communication Studies, School of Information Sciences, and School of Journalism/ Electronic Media. Graduate concentrations are offered in advertising, electronic media, journalism, speech communication, information sciences, converging media, science communication, and public relations. These concentrations have a core curriculum.

The College of Communication and Information 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 College of Communications merged with the School of Information Sciences in 2002 to create the new College of Communication and Information. 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.

The College of Communication and Information offers the Master of Science for the Schools of Advertising and Public Relations, Journalism and Electronic Media, Information Sciences, and Communication Studies. The School of Information Sciences provides a program of study leading to the Master of Science degree for librarians and information professionals. The Doctor of Philosophy in Communication is offered with concentrations in the areas noted above. In addition, Communication 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 Communication and Information.

The M.S. programs in advertising/public relations, journalism/electronic media, and speech communication are accredited by the Accrediting Council on Education in Journalism and Mass Communication. The M.S. program in information sciences is accredited by the American Library Association and the National Council for Accreditation of Teacher Education. The College is a member of the Association of Schools of Journalism and Mass Communication, Broadcast Education Association, and the American Library Association.

For application forms and other information about the M.S. and Ph.D. programs in Communication and Information, write to Associate Dean for Graduate Studies, College of Communication and Information, 420 Communications Building, The University of Tennessee, Knoxville, Tennessee 37996-0347.
College of Education, Health, and Human Sciences

John W. Koontz, Interim Dean
Lynn C. Cagle, Associate Dean, Professional Licensure and Outreach
Thomas W. George, Associate Dean, Academic Affairs, Personnel, and Student Services
Shirley W. Hastings, Associate Dean, Extension

Departments
- Child and Family Studies
- Consumer Services Management
- Educational Administration and Policy Studies
- Educational Psychology and Counseling
- Health and Exercise Science
- Instructional Technology and Educational Studies
- Nutrition
- Sport and Leisure Studies
- Theory and Practice in Teacher Education

Facilities for Research and Service
- Academic Enrichment Program
- Appalachian Collaborative Center for Learning Assessment and Instruction in Mathematics
- Appalachian Rural Systemic Initiative Center on Deafness
- Center for Literacy Studies
- Center for Physical Activity and Health
- Child Development Laboratory
- Community Health Research Group
- Cornerstone Educational Interpretive Program
- Educational Opportunity Center
- Family Life Project
- Gerber Grant Project
- Gradkids
- High School Equivalency Program
- Institute for Assessment and Evaluation
- Instructional Services Center
- Least Restrictive Environment for Life Project
- Math and Science Regional Center
- Nutrition Institute
- Orientation to Deafness Program
- Pre-College Upward Bound Program
- Project Impact
- Project Wave
- Regional Rehabilitation Continuing Education Program
- Rehabilitation Counselor Education in Deafness Program
- Rehabilitation Counselor Education Program
- Small Animal Research Lab
- Southeastern Regional Interpreter Training Consortium
- Talent Search Program
- Technology Enhanced Curriculum Lab
- Tennessee Career Information Delivery System
- Tennessee’s Early Intervention Systems
- THEC Minority Teacher Education Project
- Tourism Institute
- UT-TIE
- Urban Impact Project
- Veterans’ Pre-College Program

The College of Education, Health, and Human Sciences was created in 2002 through a merger of the former College of Education and the former College of Human Ecology. The merger of these two colleges, both with rich histories and exemplary records of achievement, resulted from a recognition of complementary institutional missions and a belief that the two colleges, as one, would become more effective in dealing with the complex challenges facing families, schools, and communities in the 21st Century. The union of Education and Human Ecology to form the new College of Education, Health, and Human Sciences honors its past independent accomplishments but is now focused on an interdependent future. The new College of Education, Health, and Human Sciences is a people-centered college that is intent on enhancing significant aspects of the human condition and, with its disciplines located at the intersection of many of societies greatest challenges, is positioned to make a significant difference through its programs of study, research, and outreach.

The College of Education, Health, and Human Sciences holds accreditation with the National Council for Accreditation of Teacher Education and the American Association of Family and Consumer Sciences. Among its accredited academic programs are the following: Community Counseling and School Counseling by the Council for Accreditation of Counseling and Related Educational Programs; Education of the Deaf and Hard of Hearing by the Council on Education of the Deaf; Rehabilitation Counseling by the Council on Rehabilitation Education; School Psychology by the American Psychological Association and the National Association of School Psychologists; Sport Management (Graduate Level) by the NASSM/NASPE Sport Management Program Review Council; Dietetics by the American Dietetic Association; Recreation and Tourism Management by the National Recreation and Park Association; American Association for Leisure and Recreation.

GRADUATE PROGRAMS OF STUDY
Graduate study in the College of Education, Health, and Human Sciences prepares students for teaching, research, and public service in schools, colleges, universities, and agencies or managerial positions in government, business, and industry. The College offers programs leading to completion of the Master of Science degree, Educational Specialist degree, Doctor of Education degree, and Doctor of Philosophy degree. Additionally, the College makes available a Graduate Certificate of Credit Program and various minors.

The following is an overview of those programs; further details on each program are available in the Fields of Instruction section of this catalog.

Graduate Certificate of Credit Programs
Three certificate programs are available in the College. The Certificate in Urban Education is available through the Department of Theory and Practice in Teacher Education and the Department of Consumer Sciences offers a Certificate in Services Management and a Certificate in Tourism Development.

Minors
Minors are available in Gerontology through the Department of Health and Exercise Science and in Nutrition through the Department of Nutrition.

Master Of Science (M.S.) Degree Programs
M.S. degree programs with majors and concentrations (in parentheses) are available in the following:
- Child and Family Studies (Child and Family Studies; Early Childhood Education)
- College Student Personnel
- Consumer Services Management (Hospitality and Tourism Management; Retail and Consumer Sciences)
- Counseling (Mental Health Counseling; Rehabilitation Counseling; School Counseling)
- Educational Administration (Leadership 21)
- Educational Psychology (Adult Education; Applied Educational Psychology)
- Exercise Science
- Health Promotion and Health Education
- Instructional Technology and Educational Studies (Cultural Studies of Educational Foundations; Curriculum; Instructional Technology)
- Nutrition (Nutrition Science; Public Health Nutrition)
- Recreation and Leisure Studies (Recreation Administration; Therapeutic Recreation)
- Safety (Emergency Management; Safety Management)
- Sport Studies (Sport Management; Sport Studies)
- Teacher Education (Art Education; Early Childhood Special Education; Education of the Deaf and Hard of Hearing; Elementary Education; Elementary Teaching; English Education; Foreign Language/ESL Education; Mathematics Education; Modified and Comprehensive Special Education; Reading Education; Science Education; Secondary Teaching; Social Science Education)

Master Of Public Health (M.P.H.) Degree Program
The M.P.H. is offered through the Department of Health and Exercise Science (see Health and Exercise Science in the Fields of Instruction section of this catalog).

Educational Specialist (Ed.S.) Degree Programs
The Ed.S. degree is available with a majors and concentrations (see parentheses) in the following:
- Educational Administration (Educational Administration and Supervision)
- Instructional Technology and Educational Studies (Curriculum; Instructional Technology)
- School Counseling
- School Psychology
- Teacher Education (Elementary Education; English Education; Foreign Language/ESL Education; Mathematics Education; Reading Education; Science
Title II, HEA Compliance Report

Per requirements of Title II of the Higher Education Act, the College of Education, Health, and Human Sciences reports the following pass rates on State required licensure tests for the 2001-2002 Academic Year: UT 95%; State of Tennessee 92%.

College of Law

Thomas C. Galligan, 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. The principal objective of the college is to prepare students for the practice of law. The college teaches: the analytical skills needed to interpret cases and statutes, the ability to communicate effectively, 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 social change 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.

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 not of a narrow technician, but 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. pro gram with the Department of Political Sci-ence. 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
Johnie Mozingo, Interim Associate Dean for Academic Affairs and Chair of Undergraduate Program
Maureen Groer, Associate Dean for Research and Evaluation
Sandra McGuire, Chair of Master's Program
Sandra P. Thomas, Chair of Doctoral 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 Boulevard, Knoxville, Tennessee 37996-4180, (865) 974-4151.

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 nursing, nurse anesthesia, 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
Colleen Galambos, Acting Associate Dean, Nashville
David R. Dupper, Associate Dean, Knoxville
Hugh Vaughn, Associate Dean, Memphis
Paul M. Campbell, Director, Office of Social Work Research and Public Service
Charles Glisson, 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. It joined the University of Tennessee 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 continuum 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.

The College also offers a post-master's certificate program in management and community practice.

The Tennessee state school social work licensure program is available to currently enrolled M.S.S.W. students.

Application materials are available from the College of Social Work, Henson Hall, Knoxville, Tennessee 37996-3333, or at http://csw.utk.edu. Please specify M.S.S.W., Ph.D., or certificate program on the request.

College of Veterinary Medicine

Michael J. Blackwell, Dean
James J. Brace, Associate Dean, Academic Programs
Robert N. Moore, Associate Dean, Research and Graduate Programs
Leon N.D. Potgieter, Associate Dean, Hospital Operations

Departments

Comparative Medicine
Large Animal Clinical Sciences
Microbiology-Veterinary Medicine
Pathobiology
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 many specialities 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 the 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. With the events of September 11, 2001, veterinarians are making significant contributions to biosecurity and homeland defense.

Excellent research opportunities exist for veterinarians—research directly benefiting animals and research conducted with animals which benefits humans. Such opportunities are available at colleges and universities and with governmental agencies, private research institutions and biological and pharmaceutical companies.
THE MASTER OF ACCOUNTANCY PROGRAM

The objective of the MAcc program is to prepare individuals who have a high level of ability and motivation for successful careers in professional accounting and industry. This nationally recognized program uses active learning methods to engage students in global business planning, practices, and strategies. The program offers students the breadth of a broad business perspective and exposure to cutting-edge management issues. It also provides students with the technical depth required for a career in assurance services, information management, or taxation. Coursework includes a particular focus on the development of analytical skills, communication skills (both oral and written), and research skills.

The MAcc program is a full-time, weekday program. The nature of the program precludes students from simultaneously working full-time outside of classes. UT’s accounting undergraduate and graduate programs are accredited by AACSB International and are among the first programs in the nation to receive this accreditation.

Application Deadline
Students may begin graduate coursework for the MAcc degree only in Fall Semester. The application deadline is March 1 and applications received after that date will be considered as space allows.

Admission Requirements
The program is designed both for students who have completed an accredited baccalaureate degree program with a major in Accounting and others. Students with an accounting degree from an accredited baccalaureate degree program normally meet all prerequisites for the program. Students with outstanding undergraduate records in areas other than accounting may enter the MAcc program (which starts in the fall semester) by completing coursework in introductory accounting and economics, and the following prerequisite undergraduate courses: Accounting 311, 321, 411, 414, and 431, Information Management 341, and Finance 301 or their equivalents as approved by the Director of the MAcc program. In addition, students choosing the Information Management concentration must have completed Information Management 351 or an equivalent course in object oriented-programming. All prerequisites must be completed prior to the start of graduate coursework in fall semester.

In addition to the general admission requirements, MAcc applicants are required to take the Graduate Management Admission Test (GMAT) and submit information on forms provided by the Department of Accounting and Business Law. Applicants whose native language is not English must submit results of the Test of English as a Foreign Language (TOEFL).

For admission to the MAcc program, consideration is given to (1) applicant’s academic records with particular attention to the last two years of undergraduate work, (2) scores on the GMAT, and TOEFL for those whose native language is not English, (3) internships and/or work experience and other activities that demonstrate potential for leadership, and (4) recommendations from professors and/or work supervisors. The admission decision is based on all factors that make up the total application; therefore there is no automatic cut-off for either grade-point averages or GMAT scores.

Students will be expected to have a laptop computer for use in the classroom and for assignments. Additional details concerning the hardware and software configurations required are posted on the departmental web site.

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.

Students take 12 hours each semester and 6 hours in the first summer session.

Program requirements are:

Business Core (12 hours) Business Administration 521, 522, 523, 524
Accounting Concentration (18 hours)
Three concentrations are available:

**Assurance Services:** Acc 507, 514, 518, 519, 531, and IM 541.

**Information Management:** IM 442*, 541, 549, Acc 514, and two of the following:
- Statistics 583, Acc 507, Acc 518, Acc 519, Acc 521, or Acc 531.

**Taxation:** Acc 531, 532, 533, 534, 539, and an additional course.

*Students who have taken this course as an undergraduate must substitute a course approved by the Director of the MAcc program for this course.

Students may further modify their programs with approval of the Director of the MAcc program.

**Transfer Credits**
A maximum of six semester hours taken at other AACSB accredited institutions that otherwise conform to the transfer policy of the Graduate Council 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: Accounting 519 Seminar in Business Risk and Assurance, Accounting 539 Multi-Jurisdictional Tax Planning and Policy, and Information Management 549 Systems Analysis and Design.

**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. Students take approximately three years of coursework beyond the bachelor’s degree, including a doctoral sequence designed to expose students to various areas of accounting research. Courses in accounting and other areas are selected to supplement the student’s individual background and to prepare the student in an area of accounting specialization (financial, managerial, auditing, tax, or systems). The final year is normally spent completing the doctoral dissertation. Minimum course requirements are 12 hours including 611, 612, 619, and one other accounting course to be approved by 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 he/she accumulates a cumulative grade-point average of 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 semester’s coursework as established by the degree program for part-time students.

**Accounting**

**GRADUATE COURSES**

415 Governmental 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 non-profit organizations. Integration of economic and social standards with governmental and nonbusiness organizations. Prereq: Financial Reporting by Business and Nonprofit Organizations or consent of instructor.

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

502 Registration for Use of Facilities (1-15)
- 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/NC only.

507 Financial Reporting Research and Contemporary Issues (3)
- Theory and practice of contemporary financial reporting issues are covered with an emphasis on researching the authoritative accounting literature. Specific contemporary issues covered vary each semester. Prereq: Admission to MAcc program or consent of instructor.

514 Information Systems Control and Audit (3)
- Security, integrity, and cost management-oriented research and contemporary issues for a variety of different business systems, business platforms and applications. Centralized and distributed environments, intranets/extranets, electronic commerce, and enterprise systems. Prereq: IM 541.

518 Professional Standards (3)
- Basic standards and contemporary issues relevant to assurance providers. Actual practice cases are used to illustrate application. Prereq: Admission to MAcc program or consent of instructor.

519 Seminar in Business Risk and Assurance Methodology (3)
- Business risk and emerging methodology used by assurance providers. Prereq: Admission to graduate programs or consent of instructor.

521 Advanced Management Accounting (3)
- Analysis of management accounting and cost management practices and models. Topics include cost behavior, strategies and models for decision making, and performance measurement issues. Prereq: Management Accounting, and either admission to a graduate business program or consent of instructor.

531 Tax Strategy, Tax Research, and Entity Taxation (3)
- Current issues in tax strategy including investment models, implicit taxes, tax arbitrage, organizational form, and other selected topics. Methods of researching tax issues within the U.S. federal tax system with emphasis on Web-based research tools. Income taxation of business entity operations. Prereq: Admission to MAcc program or consent of instructor.

532 Corporate Taxation and Reorganizations (3)
- Current issues in corporate taxation including organization and capital structure, distributions, liquidations, acquisitions, and reorganizations. Course emphasizes group projects and presentations. Web-based research tools used extensively. Prereq: Admission to MAcc program or consent of instructor. Prereq or coreq: 531.

533 Taxation of Partnerships and S Corporations (3)
- Current issues in partnership and S corporation taxation including partnership formation, operations, allocations, and distributions; LLCs; S corporation election and operations; and comparisons of different flow-through entities. Course emphasizes group projects and presentations. Web-based research tools used extensively. Prereq: Admission to MAcc program or consent of instructor. Prereq or coreq: 531.

534 Family Tax Planning (3)
- Methods used to value closely-held business, the law and planning strategies related to inter vivos and post-mortem property transfers and the taxation of estates, and financial planning techniques used to meet family tax planning objectives. Prereq: Admission to MAcc program or consent of instructor. Prereq or coreq: 531.

539 Multi-Jurisdictional Tax Planning and Policy (3)
- International and state tax law as it pertains to business transactions. Particular emphasis is placed on identifying tax planning opportunities and designing tax strategies to meet planning objectives. Prereq: 531 and either admission to MAcc program or consent of instructor.

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

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

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

611-12 Doctoral Seminar in Accounting (3.3)
- Analysis of research issues reflected in accounting literature. Prereq: 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. Prereq: Consent of Ph.D. program advisor.

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

693 Independent Study (3)
- Directed research in topic of mutual interest. Prereq: Admission to doctoral program with concentration in accounting. May be repeated. Maximum 6 hrs.

**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. Prereq: Legal Environment of Business and admission to M.Acc. program or consent of instructor. Not available for students with credit for 401.

**Advertising and Public Relations**

(Major of Communication and Information)

**MAJOR**

**DEGREES**

Communication M.S., Ph.D.

Ronald E. Taylor, Director

**Professors:**

Hovland, Roxanne, Ph.D. .................... Illinois

Hoy, Mariea, Ph.D. ......................... Oklahoma State

Ronald E., Ph.D. ......................... Illinois

**Associate Professors:**

Haley, Eric, Ph.D. ......................... Georgia

Morrison, Margaret, Ph.D. .................... Georgia

Moor, Jerry L., Ph.D. .................... Toledo

White, Candace L., Ph.D. ................... Georgia
Assistant Professors:
Fall, Lisa T., Ph.D. ................. Michigan State
Hofelges, Michael, Ph.D. ............. Florida
McMillian, Sally, Ph.D. ............... Oregon
Riechert, Bonnie P., Ph.D. ............ Tennessee

The School of Advertising and Public Relations offers a concentration area for the master’s degree with a major in Communication and participates in the interdisciplinary doctoral program. See Communication and for additional information.

Advertising

GRADUATE COURSES
490 Special Topics (3) Topics vary: advanced media strategy, advanced creative strategy, direct marketing, and advertising and social issues.

510 Advertising and Society (3) Analysis of advertising as an institution in a free-enterprise democratic society and its relation to social, legal, cultural, and economic institutions.

520 Advertising and Communications Theory (3) Application of contemporary communications theories of attitude change, information-processing, and persuasion as applied to creative strategy decisions. Prereq: Consent of instructor or admission to program.

530 Advertising Research (3) Nature, scope, and applications of research function to advertising decisions. Market segmentation, copy appeals, media strategy. Prereq: Statistics 201 Introduction to Statistics or equivalent.

540 Advertising Planning (3) Analysis of decision-making in budgeting, creative strategy, media strategy, research, evaluation, and agency-client relationships. Advertising response functions. Prereq: Consent of instructor or admission to program.

Aerospace Engineering

See Mechanical, Aerospace, and Biomedical Engineering

Agricultural and Extension Education

(College of Agricultural Sciences and Natural Resources)

MAJOR DEGREE

Agricultural and Extension Education ..... M.S.

Professors:
Waters, Randol G. (Liaison), Ph.D. .................................. Penn State
Emeriti Faculty:
Lessly, Roy R., Ed.D. ............. Oklahoma State
Todd, John D., Ed.D. ................. Illinois

The Department of Agricultural and Extension Education offers a program leading to the Master of Science degree with a major in Agricultural and Extension Education. The program is designed primarily for teachers of Agricultural Education and staff employed by the Agricultural Extension Service. However, due to the flexibility of the program, it would be of value to any student interested in agriculture or adult and continuing education. The program may be completed under a thesis or non-thesis option with a concentration in either agricultural education or agricultural extension education. Candidates for the master’s degree must meet the general requirements of the Graduate Council and those stipulated by the department.

THE MASTER’S PROGRAM

Thesis Option
A candidate for the master’s degree who elects the thesis option must successfully complete:

1. A minimum of 30 hours of graduate credit in courses approved by the student’s advisory committee. Six hours of thesis may be counted toward this requirement.
2. A minimum of 20 hours of graduate credit in courses numbered at or above the 500 level.
3. A minimum of 12 hours of graduate credit in courses appropriate to the area of concentration taught in the department and a minimum of 6 hours taught from outside the department.
4. A minimum of 3 hours of graduate credit in coursework in either research methodology or statistics.
5. A final oral examination.

Non-Thesis Option
A candidate for the master’s degree who elects the non-thesis option must successfully complete:

1. A minimum of 36 hours of graduate credit in courses approved by the student’s advisory committee.
2. A minimum of 24 hours of graduate credit in courses numbered at or above the 500 level.
3. A minimum of 12 hours of graduate credit in courses appropriate to the area of concentration taught in the department and a minimum of 6 hours taught from outside the department.
4. A minimum of 3 hours of graduate credit in coursework in either research methodology or statistics.
5. A creative component designed by the student and approved by the student’s advisory committee for 3 hours of graduate credit.
6. A written and oral comprehensive examination.

GRADUATE COURSES
500 Thesis (1-15) P/NP only.

501 Creative Component in Lieu of Thesis (3) Capstone experience completed under supervision of major professor and committee. Individual project: literature survey; development of teaching software; development of curriculum materials; development of white paper; or other suitable project. Prereq: Consent of major professor. Non-thesis majors only. S/NC only.

502 Registration for Use of Facilities (1-15) 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/NC only.

511 Extension History, Philosophy and Objectives (3) Historical and philosophical foundation of adult education in American agriculture, key figures, issues, legislative movement, farmer organizations and programs. Cooperative Extension Service, origin, legislation and growth and nature of present-day objectives and programs. Prereq: 211 Foundations of Agricultural and Extension Education or consent of instructor.

521 Extension Program Planning and Evaluation (3) Theories and models of program development and evaluation and their use in extension education: planning and conducting needs assessments; planning, organizing, implementing and evaluating extension educational program content and learning activities; development and interaction of county, state and federal extension plans of work; and principles, techniques and instruments used to identify, gather and analyze information to evaluate extension programs. Prereq: 211 Foundations of Agricultural and Extension Education, 511, or consent of instructor.

522 Educational Technology in Agricultural and Extension Education (3) Advanced concepts and methods relevant to both formal and non-formal institutional methodologies. Processes by which professional change agents influence the introduction, adoption, and diffusion of technological change. Prereq: 436 Student Teaching in Agricultural and Extension Education or consent of instructor.

524 Research Methodology (3) Social science research methods related to research in agricultural and extension education. Issues: research design, reliability and validity in measurement, sampling procedures, logic of analysis, scaling and measurement, and selection and interpretation of appropriate inferential tests of significance. Prereq: 436 Student Teaching in Agricultural and Extension Education, 511 or consent of instructor.
Agricultural Economics

GRADUATE COURSES

412 Agricultural Finance (3) Macro-finance, financial objectives, acquisition of debt and equity funds, capital investments, capital allocation, credit analysis, bankruptcy and lender loan application analysis, insurance strategies, computer applications, and sources of agricultural credit, and financial intermediation. Prereq: 212 The Agribusiness Firm and Economics 201 Introductory Economics.

420 International Agricultural Trade and Marketing (3) Real and monetary aspects of international trade and effect on agricultural commodity flows; partial equilibrium analysis of international trade in agricultural products; institutional aspects of international marketing of agricultural products. Prereq: Intermediate Agricultural Economics or consent of instructor.

430 Agricultural Policy (3) Values, goals and policy process, economic rationale and effects of policy. Historical development and current characteristics of commodity, credit, food, and trade policy. Prereq: Intermediate Agricultural Economics or consent of instructor.

442 Agribusiness Management (3) Applications of advanced decision analysis concepts and tools to analyze management decision problems in farm and nonfarm agribusiness settings. Case study work on strategic planning; assessing cost structure using budgeting and break-even analysis; evaluating profitability, liquidity, and solvency using financial statements; analyzing investments using capital budgeting. Prereq: Farm Business Management or consent of instructor.

450 Agricultural Industry Analysis and Forecasting (3) Analytical tools for decision making in agricultural sectors; analysis of commodity supply and demand conditions; economic modeling; market forecasting, analysis of temporal and spatial patterns. Prereq: Agricultural Microeconomics and Introduction to Statistics or consent of instructor.

470 Natural Resource Economics (3) Nature of natural resources; economic efficiency as basis for natural resource use; externalities in natural resource use; factors influencing environmental quality; alternative public policy tools for influencing natural resource use or improving environmental quality. Prereq: Introduction to Economics.

Agribusiness

The agribusiness concentration is designed to prepare students to succeed in the public or private sectors of agriculture, including product manufacturing and marketing, natural resource management, farm management, and financial analysis. Fifteen hours of agricultural economics, 3 hours of economic theory, 6 hours of quantitative methods, 6 hours of business statistics, or communications electives, and 6 hours of internship are required. Each student must pass written and oral comprehensive examinations.

MINOR

A minor will include 6 hours of coursework in the department, with at least 3 hours in 500-level courses. The student's committee must include a member of the faculty from the department who will be responsible for designating courses required for the minor.

MINOR IN ENVIRONMENTAL POLICY

The department participates in a program designed to give graduate students an opportunity to develop an interdisciplinary specialization in environmental policy. See Economics for program description.
500 Thesis (1-15) P/NP only.

502 Registration for Use of Facilities (1-15) 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/NC only.

505 Microeconomic Analysis (3) Theory of utility maximization and demand, production, cost, firm behavior, and supply; price in product and factor markets; efficiency and welfare. Prereq: Calculus and intermediate Microeconomics or equivalent.

524 Econometric Methods in Agricultural Economics (3) Application of statistical methods to agricultural economic models; estimation of supply, demand and production functions; microeconomic forecasting models; interpretation of results. Prereq: Regression and Correlation Methods or consent of instructor.

525 Agribusiness Operations Research Methods (3) Applications of operations research methods and concepts for agribusiness. Theoretical background and applied considerations of each technique with emphasis on applications. Computer and other applications of each technique for relevant agribusiness problems. Prereq: Basic Calculus and 524.

530 Agricultural Policy Analysis (3) Evaluation of public policy as related to agricultural industry and rural areas. Prereq: 505 and Economics 513 or consent of instructor.

542 Advanced Agribusiness Production Decisions (3) Theoretical and empirical concepts in agricultural resource allocation; evaluation of both static and dynamic issues; decision theory with application to agribusiness firms; assignment of relevant agribusiness and applied considerations of each technique with emphasis on applications. Computer and other applications of each technique for relevant agribusiness problems. Prereq: Basic Calculus and 524.

550 Advanced Agribusiness Marketing (3) Use of economic concepts in agribusiness marketing decisions. Analysis of agricultural markets; buyer behavior in food and fiber markets; competitive environment. Profitability analysis of marketing and distribution decisions; market planning and strategy; product evaluation and new product introduction; pricing decisions. Prereq: 505, Regression and Correlation Methods or equivalent.

570 Advanced Natural Resource Economics (3) Analysis of natural resource allocation issues; applied welfare economics, environmental effects and evaluation of public policy. Prereq: 470 and Economics 511 or consent of instructor.

593 Special Topics in Agricultural Economics (1-3) Topics to be assigned. Prereq: Consent of instructor. May be repeated. Maximum 9 hrs. S/NC only.

595 Professional Internship (6) Supervised internship experience with appropriate agribusiness firm.

Rural Sociology

GRADUATE COURSES

480 Technological and Community Change (3) Analysis of communication processes whereby new technology spreads within a farm population and analysis of social institutions related to change in rural communities. Prereq: Rural Sociology or consent of instructor. (Same as Sociology 480.)

580 Advanced Rural Sociology (3) Application of sociological concepts and theory to analyze changing structure and function of rural life in U.S. and developing countries. Demographic changes, rural social and community indicators, and rural development processes. Prereq: 380 or equivalent. (Same as Sociology 580.)

593 Special Topics in Rural Sociology (1-3) Current sociological issues involving application of sociological theory. Prereq: 380 or consent of instructor. May be repeated. Maximum 6 hrs.

Agriculture and Natural Resources

(College of Agricultural Sciences and Natural Resources)

GRADUATE COURSES

491 International Experience in Agriculture and Natural Resources (1-15) Credit for formalized international experiences related to agricultural sciences and natural resources. Determination of credit based on nature of the proposed experience. Student should discuss the opportunity with their faculty advisor prior to the trip to determine if it is appropriate for credit. Credit hours will be determined by the department and college depending on the extent of activity and types of projects and/or presentations to be completed by the student upon return. Letter grade or S/NC.

507 Professional Development Seminar (1) Planning and executing graduate research programs; ethics and professionalism; graduate program procedures and resources. (Same as Animal Science 507, Biosystems Engineering 507, Biosystems Engineering Technology 507, Environmental and Soil Sciences 507, Food Science and Technology 507, and Plant Sciences and Landscape Systems 507.) S/NC only.

512 Teaching Internship in Agriculture (1) Supervised experience in teaching. Prerequisite: preparation and evaluation of agriculture students. May be repeated. Maximum 2 hrs for M.S. students; 4 hrs for Ph.D. students.

Animal Science

(College of Agricultural Sciences and Natural Resources and College of Veterinary Medicine)

MAJOR DEGREES

Animal Science ................. M.S., Ph.D.
Veterinary Medicine ............. D.V.M.

Alan Mathew, Head

Professors:
Conatser, G. E., M.S. ................. Kentucky
Gill, W. W., Ph.D. ..................... Kentucky
Goan, H. C., Ph.D. .................... Michigan State
Godkin, J. D., Ph.D. ................. Massachusetts
Kattesh, H. G., Ph.D. ............... VPI
Kirkpatrick, F. D., Ph.D. ............ Tennessee
Lane, C. D., Ph.D. .................... Tennessee
Meadows, D. G., Ph.D. ............. Texas A&M
Neel, James B., Ph.D. ............... Tennessee
Oliver, S. P., Ph.D. .................... Ohio State
Robbins, K. R. (Liaso), Ph.D. ...... Illinois
Rogers, Gary W., Ph.D. .......... NC State
Saxton, A., Ph.D. ................... NC State

Associate Professors:
Grizzle, J. M., Ph.D. ................. Florida
Harper, F., Ph.D. .................... Rutgers
Heitmann, R. N., Ph.D. ............ Maine
Mathew, A. G., Ph.D. ............... Purdue
Schrick, F. N., Ph.D. ............... Clemson
Smith, M. O., Ph.D. ............... Oklahoma State
Staider, Kenneth J., Ph.D. ........ Iowa State
Waller, J. C., Ph.D. ................. Nebraska

Assistant Professors:
Edwards, J. L., Ph.D. ............... Florida
Pighetti, G., Ph.D. ................... Penn State
Richards, C. J., Ph.D. .......... Kentucky

The Department of Animal Science offers graduate programs leading to the Master of Science and Doctor of Philosophy with a major in Animal Science. At the M.S. level, areas of concentration are animal genetics, animal health and well-being, animal management, animal nutrition, and animal physiology with orientation towards beef cattle, dairy cattle, swine, and poultry. The Ph.D. program offers areas of emphasis in animal genetics, animal health and well-being, animal nutrition, and animal physiology. For specific information, contact the department head.

It is recommended that all first-year graduate students enroll in 507 and 509. All first- and second-year students are required to enroll in 596 each spring term.

THE MASTER'S PROGRAM

For admission to the M.S. program, a student must have obtained a 3.0 grade-point average on a 4.0 scale (or a 3.0 each term during the junior and senior years) in a completed undergraduate degree program in one of the animal sciences or in a related area. The student must submit evidence (letters of recommendation, personal interview, etc.) that indicates ability to complete requirements for the M.S. Prerequisite sites may be required if the student has insufficient undergraduate background. If the student has an unsatisfactory grade-point average, acceptance may be on a probationary (non-degree) basis and a minimum of 9 hours of graduate coursework must be completed the first term with a minimum grade-point average of 3.0 for admission to the M.S. program.

The program requires the writing of a thesis based on original research; the completion of a minimum of 24 hours of graduate coursework, of which at least 14 hours must be taken in courses numbered at or above the 500 level, and 6 hours of thesis. Included in the course requirement are 1 hour of Agriculture 512 and a minimum of 3 hours in statistics. These statistics courses must be chosen from the 400, 500, or 600 level of courses approved for use in the Intercollegiate Graduate Statistical Program (ICGSP). The remainder of the coursework will be selected jointly by the student and the major professor depending on the student's area of concentration and professional objectives.

The advisory committee will consist of the major professor, a faculty member of Animal Science, who will act as chairperson of the committee, and a minimum of two other faculty members, one of whom may be outside of the Animal Science Department. The advisory committee approves the student's coursework and research problem and conducts the final oral examination which consists of a comprehensive oral examination and a defense of the thesis.

THE DOCTORAL PROGRAM

The doctoral program requires a minimum of 48 semester hours of coursework beyond the B.S. and a minimum of 24 hours of doctoral research and dissertation. The 48 hours of coursework must include:

1. A minimum of 16 hours in related fields outside of animal science.

Animal Science 43
2. At least 24 hours credit at the 500 and 600 level, exclusive of doctoral research and dissertation, of which a minimum of 6 hours must be at the 600 level. Students in the nutrition, breeding, physiology, or anatomy concentration must complete at least 12 hours at the 500 and 600 level in respective concentration or closely related area. Students in the management concentration must complete 12 hours at the 500 of 600 level in two non-management concentrations.

3. A minimum of 1 hour of Agriculture 512 in addition to that required at the M.S. level.

4. A minimum of 6 hours in 400-, 500-, or 600-level statistics courses approved for the ICGSP.

A minimum of five faculty members will constitute the student’s advisory committee, of which at least one must be outside Animal Science. The student or a faculty advisor will select a chairperson. The student and the major professor select a program of study depending on the student’s area of concentration and professional goal. The advisory committee approves the coursework and the dissertation proposal and determines if there is to be a foreign language requirement. The advisory committee conducts the comprehensive written and oral examination and the final dissertation defense examination.

**GRADUATE COURSES**

420 Advanced Reproduction (3) Collection, evaluation, and preservation of ova and embryos; application of methods of natural breeding and techniques of artificial insemination and embryo transfert; herd sire and dam evaluation; pregnancy determinations; gestation and parturition; infertility; recent advances in theriogenology. Prereq: 320 or equivalent. 1 hr and 2 labs.

430 Nutrient Evaluation and Ration Formulation (3) Ration nutrient analysis and formulation for beef and dairy cattle, swine, horses, sheep, poultry, laboratory, zoo, and companion animals. Mathematical and computer solutions and applications to formulating complex rations with constraints. Prereq: 330 Comparative Animal Nutrition or equivalent and introductory computer science course. 2 hrs and 1 lab.

481 Beef Cattle Production and Management (3) Integration of principles of nutrition, breeding, physiology, and management into complete feeding and production management programs. Structure of industry, enterprise establishment, systems of production, production practices, and improvement programs. Management evaluated in terms of production response and economic returns. Comparisons made to small ruminant, forage-based production systems. Prereq: Completion of Animal Science sophomore and junior core courses or consent of instructor. 2 hrs and 1 lab.

482 Dairy Cattle Production and Management (3) Integration of principles of nutrition, breeding, physiology, and management into complete feeding and production management programs. Structure of industry, enterprise establishment, systems of production, production practices, and improvement programs. Management evaluated in terms of production responses and economic returns. Prereq: Completion of 300-level core courses or equivalent and consent of instructor. 2 hrs and 1 lab.

483 Pork Production and Management (3) Integration of principles of nutrition, breeding, physiology, and management into complete feeding and production management programs. Structure of industry, enterprise establishment, systems of production, production practices, and improvement programs. Management evaluated in terms of production responses and economic returns. Prereq: Completion of 300-level core courses or equivalent and consent of instructor. 2 hrs and 1 lab.

484 Poultry Production and Management (3) Integration of principles of nutrition, breeding, physiology, and marketing into complete production and management programs. Structure of industry, enterprise establishment, systems of production, production practices, and improvement programs. Management evaluated in terms of production responses and economic returns. Prereq: Completion of 300-level core courses or equivalent or consent of instructor. 2 hrs and 1 lab.

500 Thesis (1-15) P/NP only.

502 Registration for Use of Facilities (1-15) Required for the student not otherwise registered during any semester when student uses University facilities and for faculty time before degree is completed. May not be used toward degree requirements. May be repeated. S/NC only.

507 Professional Development Seminar (1) Same as Agriculture and Natural Resources 507, Biosystems Engineering 507, Biosystems Engineering Technology 507, Food Science and Technology 507, Plant Sciences and Landscape Sciences 507, and Environmental and Soil Sciences 507. S/NC only.

511 Special Problems in Animal Science (1-4) Prereq: Consent of instructor and department head. May be repeated. Maximum 9 hrs.


530 Animal Nutrition and Metabolism (4) Comparative digestive physiology, digestion, absorption and metabolism of nutrients in ruminant and nonruminant species. Concepts and methodologies of nutrient growth and nutrient requirements; interrelationships, availability and deficiencies of nutrients. Prereq: Animal Nutrition, Feeds, and Ration Formulation or consent of instructor.

535 Ruminology (2) Anatomy, physiology, and microbiology of rumen ecosystem: microbial fermentation and metabolism of polysaccharides, lipids and nitrogen. Prereq: 530 or consent of instructor.

551 Mammalian Organology (3) Microscopic study of structure of organs and major organ systems. Prereq: Embryology, histology and/or consent of instructor. 2 hrs and 1 lab. (Same as Comparative and Experimental Medicine 551.)

552 Anatomy of Domestic Carnivores (4) Gross dissection by systems and regions of dog with comparison to cat. Prereq: Consent of instructor. 1 hr and 3 labs. (Same as Comparative and Experimental Medicine—Veterinary Medicine 552.)

571 Design and Analysis of Biological Research (3) Experimental design and procedures; selection of experimental units; analysis and interpretation of data; statistical models and contrasts, analyses of variance, covariances, treatment arrangements, mean separation and regression. Prereq: Plant Sciences and Landscape Systems 471 or equivalent; knowledge of software package on micro- or mainframe computer. (Same as Plant Sciences and Landscape Systems 571.)

572 Least Squares Analysis (3) Least squares estimation and hypothesis testing procedures for linear models; mixed model methodology; full rank and non-full rank situations; covariance structures; estimation of variance components. Prereq: 571 or equivalent. 2 hrs and 1 lab.

596 Seminar (1) Advanced topics in animal science. Required of all first- and second-year Ph.D. students. May be repeated. Maximum 2 hrs.

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

621 Advanced Topics in Animal Physiology (1-4) Recent advances and concepts, research techniques, current problems. May be repeated. Maximum 6 hrs.

631 Advanced Topics in Animal Nutrition (1-4) Recent advances and concepts, research techniques, current problems. May be repeated. Maximum 6 hrs.

651 Advanced Topics in Animal Anatomy (1-4) Current and future research methodology, laboratory situations, recent advances in quantitative techniques for gross and microscopic anatomy. Prereq: Consent of instructor. May be repeated. Maximum 6 hrs. (Same as Comparative and Experimental Medicine—Veterinary Medicine 652.)

652 Disorders of the Endocrine System (2) Pathological and physiological aspects of diseases; endocrine glands of various animal species. Prereq: 521 or consent of instructor. (Same as Comparative and Experimental Medicine—Veterinary Medicine 652.)

681 Advanced Topics in Animal Health and Well-Being (1-4) Recent advances and concepts, research techniques, and current problems associated with animal health and behavior. May be repeated. Maximum 6 hrs.

696 Seminar (1) Advanced topics in animal science. Required of all first- and second-year Ph.D. students. May be repeated. Maximum 2 hrs.

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**Animal Science—Veterinary Medicine**

*See College of Veterinary Medicine and Comparative and Experimental Medicine.*

**MAJOR DEGREES**

**Anthropology**

**MAJOR DEGREES**

Andrew Kramer, Head

*Professors:*

Paukner, Charles H., Ph.D. ............. Indiana
Harrison, Faye V., Ph.D. ............... Stanford
Howell, Benita J., Ph.D. ............... Kentucky
Jantz, Richard L., Ph.D. ............... Kansas
Kippel, Walter E., Ph.D. ............... Missouri
Konigsberg, Lyle, Ph.D. ............... Northwestern
Logan, Michael H., Ph.D. ............. Penn State
Schoedel, Gerald F., Ph.D. .......... Washington State
Simke, Jan F., Ph.D. ................. SUNY Binghamton

*Associate Professors:*

Kramer, Andrew (Liaison), Ph.D. ...... Michigan
Marks, Murray K., Ph.D. ............. Tennessee

*Assistant Professor:*

Qirk, Hector N., Ph.D. ............... Tennessee

*Instructor:*

Jantz, Lee Meadows, Ph.D. .......... Tennessee

*Research Director:*

Driskell, Boyce, Ph.D. ............... Kentucky

*Research Associate Professor:*

Chapman, J., Ph.D. ................. North Carolina

*Research Assistant Professors:*

Elam, J., Michael, Ph.D. ............. Missouri
Frankenberg, S. (Curator), Ph.D. .... Northwestern
Sherwood, Sarah C., Ph.D. ........... Tennessee
The Department of Anthropology offers both the M.A. and Ph.D. degrees with concentrations in archaeology, biological anthropology, cultural anthropology, and zooarchaeology. Additional information on the Anthropology graduate program may be obtained from the departmental brochure or by contacting the Anthropology Department.

THE MASTER’S PROGRAM

Students wishing to enter the Master of Arts degree program with a major in Anthropology should have an undergraduate GPA of 3.5 in the major, 3.3 overall, and hold a bachelor’s degree from an accredited university with a major in Anthropology. Applicants with a major in a related field (biology, sociology, geology, classics or geography) will be considered only if they have a formal minor in anthropology or its equivalent (at least five upper division anthropology courses). All prospective M.A. students must make formal application to the University of Tennessee Graduate Admissions. Copies of the application form, transcripts, and GRE scores that are sent to Graduate Admissions should also be sent directly to the Department of Anthropology at the same time. In addition, the department requires a letter of intent from the applicant indicating career goals and reasons for selecting the University of Tennessee, three letters of recommendation, and one sample of the prospective student’s written work (a class paper or research report); these materials should be sent directly to the Graduate Secretary, Department of Anthropology, SSH 250, University of Tennessee, Knoxville, Tennessee 37996-0720.

Graduate applications are considered once a year by the Graduate Committee. All application materials must be received in the department by January 15 for admission the following Fall. Because of the structure of first-year studies, M.A. students should plan to begin their studies in the Fall semester.

M.A. Requirements

The program leading to the M.A. is a general curriculum that allows for concentration after completion of a core course sequence. Formal requirements include:

1. Selection of an M.A. advisor. This should be done as soon as possible in the student’s program but must be done no later than the end of the first semester in residence. The department graduate secretary must be informed in writing of each student’s advisor.

2. A minimum of 30 credit hours in graduate courses. Twenty-four hours must be at the 500 level or higher.

3. During the first year, comprehensive Graduate Evaluation Examinations (GEEs) are required of all M.A. students and are based on the content of the core courses. These examinations are given during regularly-scheduled final periods in each core class and are graded by all faculty within the appropriate specialty for each course. At the end of the first year, all M.A. students will be evaluated by the entire faculty and will either be retained or dropped from the program based on their first year’s performance. GEE scores are normally 500 in the fall semester of each year and fulfill all requirements for the course as defined by the instructor. Materials covered by visiting lecturers may appear on the GEE.

4. All M.A. students must attend the graduate section of the visiting lecturer program. To insure compliance with this requirement, each student is required to register for one credit hour of Anthropology 550 in the fall semester of each year and fulfill all requirements for the course as defined by the instructor. Materials covered by visiting lecturers may appear on the GEE.

5. A graduate-level introductory statistics course, usually Statistics 537.

6. In the second year of the program, students will undertake research and complete a thesis. The thesis will be determined through consultation with the student’s advisor and committee (composed of the advisor and at least one other member of the Anthropology faculty along with other mutually-agreed upon members).

7. Successful completion of the thesis and final oral examination. Normally, students will complete and defend their theses during the Spring semester of their second year.

8. Two copies of the thesis are required by the Office of Graduate Student Services. In addition, bound copies of the thesis are to be provided to the department and to all members of the student’s M.A. committee.

In addition to the requirements listed above, M.A. students have the option of completing a minor in statistics. The Statistics minor requires 9 hours of coursework, normally Statistics 537 and 538 plus one additional course from an approved list.

THE DOCTORAL PROGRAM

In addition to the Graduate Council requirements, requirements for the Ph.D. degree with a major in Anthropology, in the appropriate sequence of completion, are as follows:

Admission: Admission to the Ph.D. program is contingent upon completion of ALL requirements prior to that level. Master’s thesis candidates at UT who are conditionally accepted into the Ph.D. program can enroll as doctoral students the semester following conferral of the M.A. Students holding master's degrees from other institutions must apply by January 15 for admission the following Fall and must begin their studies in the Fall semester. Admission to the Ph.D. program is based upon the applicant’s academic record and credentials, between an individual’s interest and faculty areas of research. Applicants will not be admitted to the Ph.D. program unless appropriate faculty members are available to chair and serve on the doctoral committee. Doctoral program applications should be submitted directly with the potential chairperson and two additional members of the anthropology faculty who will be asked to serve on the committee.

Applicants to the Ph.D. degree program should meet the same academic standards as M.A. program applicants and furnish the same materials (see The Master’s Program). Admission to the program requires either:

1. Acceptance of a master’s degree in anthropology;
2. Acceptance of a master’s degree in another discipline, with the provision that the student will follow the first-year program with entering M.A. students, i.e., complete the core courses (510, 560, 590) and pass the Graduate Evaluations.

Doctoral Committee: A doctoral committee is appointed following admission to the program. In consultation with this committee, the student defines the future program of studies. When the student and committee have agreed upon the specific fields of specialized competence over which the student will be examined, a brief delineation of the fields by the student, approved by the members of the committee, is presented to the department head and the student’s major professor. As early as possible, but no later than a full semester after admission to candidacy, the student shall formally present a written dissertation proposal to the department head and advisor.

Residence and Coursework: Every potential Ph.D. candidate must complete two consecutive semesters of full-time residence prior to taking the doctoral comprehensive examination. The student must complete the minimum coursework requirements of the Graduate Council, including at least nine hours of 500- or 600-level courses outside of anthropology, chosen in consultation with the doctoral committee, particularly the outside member who represents the cognate area. Outside coursework may be taken in a single discipline or be distributed across two or more disciplines as appropriate to the individual’s program of study.

Statistics: Demonstration of competence in statistics by completing Statistics 537 and 538 with a grade of B or better is required.

Language: Students must demonstrate knowledge of one foreign language. This language should normally be French, German, Russian or Spanish, but another language may be substituted at the committee’s discretion. This requirement may be met by either:

1. Successful performance on a language examination administered by the appropriate language department. A student electing this alternative should consult with the advisor; or
2. Completion of the second semester of specialized reading courses for graduate students with a grade of B or better.

The department does not accept completion of the intermediate (200 level) sequence of a language as a formal option for fulfilling the language requirement.

Doctoral Comprehensive Examination: Students must successfully complete a written and oral comprehensive exam.

1. Comprehensive Written Examination: When the Ph.D. aspirant has completed all of the foregoing requirements and is judged by the committee to be prepared in the field(s) of concentration, the student will be required to take a comprehensive written examination.

The exam will consist of three sections and be given by the student’s committee. All three sections must be taken within seven consecutive days.
2. Comprehensive Oral Examination: This examination follows shortly after successful completion of the comprehensive written exam. The major professor acts as chairperson of the committee.

Admission to Candidacy: Upon successful completion of the comprehensive examination, the student should apply to the Dean of Graduate Studies, the student is admitted to candidacy for the Ph.D. degree. The formal dissertation prospectus must be filed no later than one full semester after advancement to candidacy.

Dissertation Research: This period of research and writing will be under the direct guidance of the candidate's major professor. The major professor will act as chairperson of the candidate's committee. The candidate must earn a minimum of 24 hours in Anthropology 600 and maintain continuous registration until the dissertation is accepted. The option of presenting publishable papers as a dissertation is not a formal option for the Anthropology Department.

Defense of Dissertation Examination: When the dissertation has been tentatively accepted by the committee, a final oral examination will be held. The committee conducts the exam, which is ordinarily held as a colloquium in which the candidate will expound on the nature and significance of his/her contribution to anthropological knowledge as set forth in the dissertation.

GRADUATE COURSES
410 Principles of Cultural Anthropology (3) Exploration and illustration of major concepts, theories, and methods in cultural anthropology, with application to analysis of specific ethnographies. Prereq: 130 Cultural Anthropology.

411 Linguistic Anthropology (3) Basic linguistic concepts applied to research in cultural anthropology: investigation of relationships between language and culture. Prereq: 130 Cultural Anthropology or Linguistics 200. (Same as Linguistics 411.)

412 Folklore in Anthropology (3) Introduction to anthropological study of folklore, using folklore and folk materials from various tribal, peasant, and complex societies. Prereq: 130 Cultural Anthropology or consent of instructor.

413 Dynamics of Culture (3) Major forms of culture change, ranging from evolution and diffusion to religious revitalization and political revolt. Continuity and change in diverse cultural settings through use of archaeological, ethnohistorical, and contemporary cases. Prereq: 130 Cultural Anthropology or consent of instructor.

414 Political Anthropology (3) Organization and dynamics of power and politics in both stateless and state-level societies. Role of symbols, rituals, and ideologies in producing and reproducing power relations. Relations of individuals and structures. Encapsulation of traditional political forms and systems within modern states. Prereq: 130 Cultural Anthropology or consent of instructor.

416 Applied Anthropology (3) Introduction to principles, practice and ethics of anthropology applied to practical problems in non-academic settings. Overview of career opportunities in various domains of applied anthropology. Prereq: 130 Cultural Anthropology or consent of instructor.

431 Ethnographic Research (3) Conceptual and practical exploration of methods and techniques of cultural anthropologists used in fieldwork. Prereq: 130 Cultural Anthropology or consent of instructor.

435 Historical Archaeology Laboratory (3) Laboratory procedures for processing, identification, and interpretation of artifacts from historical sites. Artifactual material from historic East Tennessee sites used for class projects. Recommended prereq: Historic Archaeology.

440 Cultural Ecology (3) Concepts and methods in studying dynamic interaction between prehistoric and present day cultures and their environments: ecological theory, methods of analysis, and review of selected case studies. Prereq: 120, 130, 410, or consent of instructor.

462 Early European Prehistory (3) Origins and evolution of human culture in Europe through beginnings of social role. Paleolithic and Mesolithic chronology and lifeways. Prereq: 120 or consent of instructor.

463 Rise of Complex Civilizations (3) Development of complex societies in Old World from origins of agricultural economics to rise of States. Mesolithic, Neolithic, and Formative Age lifeways in Africa, Europe, and Asia. Prereq: 120 or consent of instructor.

464 Principles of Zoarchaeology (3) Basic osteological studies of major vertebrate groups; aboriginal use of animals in subsistence and culture. Identification and interpretation of archaeological residue from molluscan and vertebrate remains; introduction to laboratory use of comparative collections. Prereq: 120 or consent of instructor.

465 Urban Archaeology (3) Field archaeology and interpretation of archaeological remains on historic urban sites in U.S. Lectures and field and laboratory research on urban sites in East Tennessee. Recommended prereq: Historic Archaeology.

480 Human Osteology (4) Intensive examination of human skeleton. Prereq: 110 or consent of instructor. 3 hrs and 1 lab.

481 M useology I: Museums, Purpose and Function (3) (Same as Art 481.)

482 M useology II: Exhibition Planning and Installation (3) (Same as Art 482.)

484 M useology III: Field Projects (1-12) (Same as Art 484.)


494 Primate Behavior (3) Social organization and behavior of selected primates; group composition, size, and structure; patterns of mating; other social functions; and primate culture. Application of primate studies to human ethology. Prereq: 110 or consent of instructor.

500 Thesis (1-15) P/NP only.

501 Graduate Research (1-9) Independent investigation of special problems in anthropology. May be repeated. Maximum 18 hrs.

502 Registration for Use of Facilities (1-15) Required of students who register 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/NC only.

510 Method and Theory in Cultural Anthropology (3) Development of primary theoretical orientations by cultural anthropologists; formulation of research problems, data collection, and utilizing data. Prereq: Consent of instructor.

511 Special Topics in Cultural Anthropology (3) Seminars for advanced students on topics of special interest: ethnomedicine, psychological anthropology, comparative social organization, religion, and art. Prereq: Consent of instructor. May be repeated. Maximum 9 hrs.

512 Urban Studies in Anthropology (3) Process of urbanization examined cross-culturally: theory and methods in researching urban communities; urban problems and applied anthropology.

514 Anthropology of Development (3) Application of anthropological theory, methods, and findings to community and national development programs. Analysis of anthropologists' roles, values, and ethical issues in selected case studies. Survey of anthropologists' work in non-academic settings.

515 Medical Anthropology (3) Cultural impact on disease patterning, theories of disease causation, and models of therapy. Theoretical and applied aspects of the anthropological study of health and disease. Prereq: Consent of instructor.

517 Forms of Social Inequality (3) Anthropological perspectives on societies stratified along lines of rank, caste, race, ethnicity, and class; inequalities engendered by economic role structures. Class, ethnicity, gender distinctions before and after rise and consolidation of modern world system. Intersections of race and ethnicity with class and gender.

520 Seminar in Zoarchaeology (3) Approaches to analysis and interpretation of zooarchaeology. Intensive reading; evaluation and discussion of major faunal studies, guides to identification, methods of presenting faunal data. May be repeated. Maximum 6 hrs.

521 Laboratory Studies in Zoarchaeology (4) Examination and comparison of skeletons of major vertebrate groups, shells of terrestrial and aquatic mollusks, in relation to animal remains from archaeological contexts. Basic osteology and shell characteristics of species encountered in aboriginal sites; use of comparative collections. May be repeated. Maximum 8 hrs.

541 Contemporary Issues in Anthropology (1-3) Review of recent directions in method and theory in anthropology. May be repeated. Maximum 6 hours.

560 Theory in Archaeology (3) Detailed consideration of theory in contemporary archaeology: models of scientific explanation, research design, archaeological formation processes, and methods of analysis and interpretation.

561 Archaeological Resource Management (3) Federal legislation and regulations affecting identification, protection, and management of archaeological resources. Professional ethics and responsibilities and relationship of federal and state agencies, public institutions, and professional archaeologists in conduct of federally sponsored archaeology. May be repeated. Maximum 6 hrs.

563 Lithic Artifact Analysis (3) Methods for analyzing prehistoric stone tools in practical laboratory/lecture format. Stone tool production, use, stylistic variability, and discard processes.

564 Archaeology of Southeastern United States (3) Archaeological research on prehistoric American Indian cultures in Southeastern United States; Tennessee prehistory.

566 Advanced Human Variation (3) Genetic and morphological variation among extant human groups; relationships of variation to geography, ecology and subsistence.


582 Paleoanthropology (4) Fossil record from origin of hominids to appearance of anatomically modern humans. Functional morphology and phylogenetic relationships of fossil humans. Prereq: 480.

583 Skeletal Biology (3) Practical and theoretical approaches to analysis of prehistoric human skeletal remains. Demography, vital statistics, pathology, nutrition, and measures of biological relationships as related to population as adaptive unit. Prereq: 480.

585 Laboratory Studies in Biological Anthropology (3) Topical coverage of laboratory methods in biological anthropology. Prereq: Consent of instructor. May be repeated. Maximum 9 hrs.
Architecture

(College of Architecture and Design)

MAJOR DEGREE
Architecture ........................................ M.Arch.

Marleen K. Davis, Dean
Max A. Robinson, Director
Jon P. Coddington, Graduate Program Head

Professors:
Kelso, R. M., M.S. ...................... Tennessee
Kinzy, S. A., Ph.D. ............... SUNY (Buffalo)
Lizon, P., Ph.D. .................. Pennsylvania
Moffett, M. S., Ph.D. .............. MIT
Rabun, J. S., M.A. ............... Texas
Robinson, M. A., M.Arch. ...... Pennsylvania
Shell, W. S., M.S.Arch. .......... Columbia
Watson, J. S., M.Arch. .......... Pennsylvania

Associate Professors:
Coddington, J., M.Arch. ........... Pennsylvania
Davis, T. K., M.Arch. ............. Cornell
Debelius, C., M.Arch. .......... Harvard
Drisin, A., MdesS. .............. Harvard
Fox, L. D., M.Arch. ............ Cranbrook
Jacobs, Becky, J.D.
Martella, W. E., B.Arch. .......... California
Moir-McClean, T. W., M.Arch. .... Michigan
Schimmenti, M. M., M.Arch. ...... Florida

Assistant Professors:
Altwicker, M., B.Arch. .......... RPI
DeKay, M., M.Arch. .......... Oregon
Dodds, G., Ph.D. .......... Pennsylvania
French, R. C., B.Arch. .......... Tennessee
Klinkhammer, B., M.Arch. .... RWTH (Aachen)

Track 2 requires a minimum of 30 semester hours of graduate coursework. Both tracks require 6 hours of Thesis 500 with a public presentation and oral defense of the thesis. Retention in the program is contingent upon evidence of satisfactory progress toward the degree. Student’s progress will be reviewed each semester by the Graduate Program Head. Any questions regarding progress will be reviewed by the Graduate Program Advisory Committee.

For further information, contact the School of Architecture.

GRADUATE COURSES

403 Introduction to Preservation (3) History, theory, and legal aspects of architectural preservation and restoration.

404 Preservation Technology (3) Techniques of preservation: methods of analysis, history of materials and technology used in old buildings. Prereq: 403.

405 Descriptive Analysis of Historic Buildings (3) Identification and analysis of character elements of buildings from various architectural periods, American architecture. Survey techniques.

406 Ideas in Architecture (3) Historical and critical review of major ideas of architecture through the ages. Open to all students.

410 History and Theory of Urban Form (3) Patterns of community development. Selected historical and contemporary examples. Basic urban design issues and exemplary design approaches through lectures, readings, essays, and sketch studies. Historical change in urban form and design.

412 Non-Western and Indigenous Architecture (3) Building responsive to climate, material availability, and economic level, as designed by anonymous builders. Pre-historic times to present throughout world. Fertile Crescent; Indus Valley; Hindu, Buddhist, and Mughal architecture of India, China, and Japan.

413 Tennessee Architecture (3) History of settlement patterns and building in Tennessee. Reading assignments, lectures, discussion, and field trips. Historical research using primary material.

414 History of Architectural Technology (3) Building materials and construction techniques from antiquity to present.

415 Medieval Architecture (3) History of architecture from decline of Rome to beginning of Renaissance.

417 The International Style (3) Survey of architecture of early modern movement, primarily in Europe and America, 1900-1940.


420 American Architecture, 1860-1940 (3) Stylistic periods from Gothic Revival through twentieth century.

421 History of Landscape Architecture (3) Intellectual, societal, and geographical influences that provide theoretical basis for design throughout history. Selected examples of landscape architecture analyzed in terms of design.

422 Modern Eastern European Architecture (3) Twentieth century architecture in Russia, Czechoslovakia, Poland, Hungary, East Germany, Romania, Bulgaria, Yugoslavia.

425 Special Topics in Architecture (1-6) Faculty initiated courses. Topics vary. Prereq: Consent of instructor. May be repeated. Maximum 12 hrs.

432 Computer Applications in Design II (3) Advanced computer aided design using three-dimensional modeling software. Design analysis using computer animation, rendering techniques, visualization, and video. Prereq: Computer Applications in Design I or consent of instructor.
433 Computer Applications in Design III (3) Integration of three-dimensional modeling and technical analysis using computer to augment building design. Independent study under faculty direction. Prereq: Consent of instructor.

443 Building Energy Analysis (3) Balancing heat flow through external skin of residential and small and large commercial buildings. Local climate evaluation, site planning, building size, orientation, wind玫瑰 area, wall treatment, infiltration control, and other design elements. Energy use quantification methods and economic analysis of energy efficient design features. Architectural program analysis of external and internal load dominated buildings. Prereq: 341.

444 Advanced Environmental Control Systems (3) In-depth analysis and innovative concepts in design of heating, ventilating, and air conditioning. Prereq: 341.

445 Advanced Lighting (3) In-depth analysis and innovative concepts in design of lighting. Prereq: 342.

463 Architectural Development (3) Principles and practice of architect as developer. Impact of economics, finance and urban policy on design and development of real estate. Open to all students.

473 Architectural Photography (3) Photography as design, research, and presentation medium. Application of photographic techniques, printing and processing. Color and black and white.

500 Thesis (1-15) P/NP only.

502 Registration for Use of Facilities (1-15) Required for the student not otherwise registered during any semester when student uses University facilities and/or faculty before degree is completed. May not be used toward degree requirements. May be repeated. S/N/C only.


507 Architecture, Culture and Modernity (3) Scope of ideas generated in architecture's recent history to reveal and explain production and reception of architecture. Historical background necessary to understand those concepts. Completion of history sequence but in specialized field of theory.

509 Seminar in Architectural Technology (3) Technological aspects influencing building form. Role of technical aspects of structural, environmental and building infrastructure as integrated systems supporting access use and expression of building.

514 Seminar in Ethical Imperatives (3) Social, cultural, philosophical and moral issues which impact professional responsibilities. Attitudes, values, and ideas that address formation of profession's ethos.

515 Seminar in Issues in Urban Design (3) Investigations of urban forms, patterns, and attitudes that have shaped towns and cities. Prereq: Consent of instructor.

516 Materials and Methods of Construction (3) Properties of interior and exterior building materials and their relation to construction methods and detail. Theory of materials selection and application and role materials and methods play in design process.

521 Principles of Architectural Form (3) Historical and contemporary architectural theory through investigation of literature and related examples. Theories of understanding and theories of application related to generation of architectural form and space in response to both cultural and environmental focus.

525 Special Topics in Architecture (1-3) Student-instructor-initiated course. May be repeated. Maximum 9 hrs. S/N/C or letter grade.

526 Directed Readings in Architecture (3) Readings on topics of interest: primary texts, history, theory, urban issues, technology, and professional practice. Prereq: Consent of instructor. May be repeated. Maximum 9 hrs.

525 Advanced Topics in Architectural Technology (3) In-depth investigations and analysis: architectural technology, lighting, structure, enclosure, mechanical and other architectural technologies. Prereq: Consent of instructor.

562 Professional Practice (3) Management and organizational theories and practices for delivering professional design services: assessment of building industry and its influence on practice; analysis of basic management functions within professional firms; legal and ethical concerns facing practitioners today and introduction to special obligations and privileges of design professional.


591 Foreign Study (1-9)

592 Off-Campus Study (1-9)

593 Independent Study (1-9)

528 Topics in Architectural History and Theory (3) Historic topics, ideas and theories in architecture. Prereq: Consent of instructor.

532 Computer Applications for Architecture (3) Advanced use of computers in architecture. Prereq: Consent of instructor.

551 Research Methods (3) Quantitative and qualitative methods of research in architectural inquiry. Systematic study and application of applied and speculative investigations in field of architectural research. Review and identification of techniques and methodologies and applications for architectural research and scholarship.

552 Advanced Research in Architecture (3) Directed research in architectural history and theory. Prereq: Consent of instructor.