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

Admission Requirements —Director of Admissions
State of Tennessee: 1-800-221-8657
All others: (865) 974-2184

Course Offerings —Department offering course

Degree Requirements —Office of the Registrar, faculty advisor, head of major department, college advising center, or dean of college/school

Fees and Tuition —Office of the Treasurer

UT Homepage —http://www.utk.edu/

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.

A project of UT Undergraduate Academic Affairs, 420 Communications Building, Knoxville, Tennessee 37996-0349, with assistance from Creative Services, (865) 974-2225. Revisions: 5358.

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.

Publication Authorization Number: E17-0405-002-003-02
<table>
<thead>
<tr>
<th>CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board of Trustees</td>
</tr>
<tr>
<td>University Administration</td>
</tr>
<tr>
<td>Calendar for 2002-2003</td>
</tr>
<tr>
<td>Map of the Campus</td>
</tr>
</tbody>
</table>

### THE UNIVERSITY
- Historical Background  | 8 |
- Accreditation  | 8 |
- Student Affairs and Services  | 8 |
- Academic Common Market  | 8 |
- Adult Student Services Center  | 9 |
  - Athletics  | 9 |
- Black Cultural Center  | 9 |
- Career Services  | 9 |
- Center for International Education  | 9 |
- Cultural Opportunities  | 10 |
- Disability Services  | 11 |
- Dining Services Facilities  | 11 |
- Educational Advancement Program  | 11 |
- Fraternities and Sororities  | 11 |
- Hearing and Speech Services  | 11 |
- Housing  | 12 |
- Information Infrastructure  | 12 |
- Minority Student Affairs  | 13 |
- Oak Ridge Associated Universities  | 13 |
- Parking and Vehicle Operation  | 13 |
- Probation Services  | 13 |
- Religious Resources  | 13 |
- Student Counseling Services Center  | 13 |
- Student Government Association  | 13 |
- Student Health Service  | 14 |
- Student Judicial Affairs  | 14 |
- Student Organizations  | 14 |
- Student Orientation  | 14 |
- Student Publications  | 14 |
- Student Rights and Responsibilities  | 14 |
- Summer School Session  | 14 |
- Women's Center  | 14 |
- Writing Center  | 14 |
- University Fees  | 16 |
- VOLXpress  | 16 |
- Student Financial Aid  | 18 |
- Scholarships and Grants  | 18 |
- Student Loans  | 19 |
- Student Employment  | 19 |

### ACADEMIC POLICIES AND REGULATIONS
- Admission to the University  | 19 |
- Credit Hours, Grades, and Grade Point Average  | 24 |
- General Regulations  | 25 |
- Registration  | 28 |
- Undergraduate Retention Standards  | 29 |
- Requirements for a Bachelor's Degree  | 30 |
- Dean's List  | 30 |
- Honors Categories for Graduation  | 30 |
- University Requirement  | 31 |
- Majors, Minors, and Concentrations  | 32 |

### COLLEGES, SCHOOLS, AND OTHER ACADEMIC UNITS
- College of Agricultural Sciences and Natural Resources  | 37 |
- College of Architecture and Design  | 52 |
- College of Arts and Sciences  | 56 |
- College of Business Administration  | 89 |
- College of Communications  | 98 |
  - College of Education  | 101 |
  - College of Engineering  | 108 |
- College of Human Ecology  | 121 |
- College of Nursing  | 130 |
- College of Social Work  | 133 |
- School of Information Sciences  | 135 |
- University Honors  | 136 |
- University Libraries  | 138 |
- University Studies  | 139 |
- Reserve Officers Training  | 140 |
- Advanced Studies  | 144 |
  - College of Law  | 144 |
- College of Veterinary Medicine  | 144 |
- The Graduate School  | 144 |
- Majors and Degree Programs  | 145 |

### University Outreach and Continuing Education  | 146 |

- Courses of Instruction  | 149 |

- Honors and Awards  | 209 |

- Index 229 |
THE UNIVERSITY OF TENNESSEE

Board of Trustees

Ex-Officio Members
Governor, State of Tennessee
Commissioner of Education
Commissioner of Agriculture
President, The University of Tennessee
Executive Director, Tennessee Higher Education Commission

From Congressional Districts
District Service Begins Term Expires
D. Lynn Johnson, Kingsport First 1999 May 31, 2005
Charles E. Coffey, Shelbyville Fourth 1996 May 31, 2002
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, 2002

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
Frank J. Kinser 1996 May 31, 2002

From Knox County

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

From Shelby County

Service Begins Term Ends
Vacant May 31, 2002
Rynette N. Hurd 2000 May 31, 2002

From Weakley County

Service Begins Term Ends
Barbara C. Casteman 1996 May 31, 2002

Student Member

Service Begins Term Ends
Tiffany Smith 2001 June 30, 2002

Faculty Member

Service Begins Term Ends
Maurice Field 2000 June 30, 2002

Officers of the Board

Governor Don Sundquist, Chairman
Johnnie D. Amonette, Vice Chairman

Administration

Emerson H. Fly, Acting President and Chief Executive Officer;
Executive Vice President and Vice President for Business and
Finance, B.A., CPA
Loren W. Crabtree, Vice President and Provost, B.A., M.A., Ph.D.
Jack H. Britt, Vice President for Agriculture, B.S., M.S., Ph.D.
Dwayne McCay, Vice President for Research and Information
Technology, B.S., M.S., Ph.D.
Catherine S. Mizell, Vice President, General Counsel, B.A., J.D.
Charles M. Peccolo, Vice President and Treasurer,
M. Acct., C.P.A., C.C.M.
William R. Rice, Vice President for Health Affairs, A.B., J.D.
Jack E. Williams, Vice President for Development and Alumni Affairs,
B.S., T.E.D.P.
Thomas B. Ballard, Vice President for Public and Governmental
Relations, B.S.
Theotis Robinson, Vice President for Equity and Diversity
Philip A. Scheurer, Vice President for Knoxville Operations, B.A., M.S.
Sylvia S. Davis, Vice President for Budget and Finance, B.S., M.S., CPA
Philip W. Conn, Vice President for Special Programs, Ph.D.
Sarah Phillips, Acting Vice President and Executive Assistant, B.A., M.S.
Buddy Mitchell, Associate Vice President of Federal Relations,
Nick Dunagan, Chancellor, Martin, B.S., J.D., Ed.D.
Bill W. Stacey, Chancellor, Chattanooga, B.S., M.S., Ph.D.

Dean of the College of Business Administration,
Jan R. Williams, B.S., M.B.A., Ph.D.
Dean of the College of Communications, Dwight L. Teeter,
A.B., M.J., Ph.D.
Dean of the College of Education, C. Glennon Rowell, B.S., M.A., Ed.D.
Dean of the College of Nursing, Joan L. Creasia,
B.S.N., M.S.N., Ph.D., R.N.
Dean of the College of Social Work, Karen M. Sowers,
B.A., M.S.W., Ph.D.
Dean of the College of Veterinary Medicine, Michael J. Blackwell,
B.S., D.V.M., M.P.H.
Dean of University Libraries, Barbara I. Dewey, B.A., M.A.
Dean of Undergraduate Academic Affairs, Faye D. Julian,
B.A., M.A., Ph.D.
Dean of University Outreach and Continuing Education,
Robert B. Leiter, B.S., M.S., Ed.D.
Dean of Admissions and Records, Richard Bayer, B.A., M.A.

Independent Departments

Air Force Reserve Officers’ Training Corps, Professor of Aerospace
Studies, Colonel Charles F. Schreck, USAF
Army Reserve Officers’ Training, Professor of Miliary Science and
Leadership, Lieutenant Colonel William P. Woodcock, USA
# ACADEMIC CALENDAR FOR 2002-2003

## FALL SEMESTER, 2002

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 21</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>September 2</td>
<td>LABOR DAY HOLIDAY</td>
</tr>
<tr>
<td>October 10-11</td>
<td>Fall Break</td>
</tr>
<tr>
<td>November 28-29</td>
<td>THANKSGIVING HOLIDAYS</td>
</tr>
<tr>
<td>December 3</td>
<td>Classes End</td>
</tr>
<tr>
<td>December 4, 6</td>
<td>Study Period</td>
</tr>
<tr>
<td>December 5, 9-12</td>
<td>Final Examinations</td>
</tr>
<tr>
<td>December 13</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

## SPRING SEMESTER, 2003

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 13</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>January 20</td>
<td>MARTIN LUTHER KING, JR. HOLIDAY</td>
</tr>
<tr>
<td>March 17-21</td>
<td>SPRING BREAK</td>
</tr>
<tr>
<td>April 18</td>
<td>SPRING RECESS</td>
</tr>
<tr>
<td>April 30</td>
<td>Classes End</td>
</tr>
<tr>
<td>May 1-2</td>
<td>Study Period</td>
</tr>
<tr>
<td>May 5-9</td>
<td>Final Examinations</td>
</tr>
<tr>
<td>May 10</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

## MINI-TERM 2003

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 14-June 4</td>
<td>Mini-Term</td>
</tr>
<tr>
<td>May 26</td>
<td>MEMORIAL DAY HOLIDAY</td>
</tr>
</tbody>
</table>

## SUMMER TERM 2003

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 5</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>July 4</td>
<td>INDEPENDENCE DAY HOLIDAY</td>
</tr>
<tr>
<td>July 9</td>
<td>First Session Ends</td>
</tr>
<tr>
<td>July 10</td>
<td>Second Session Begins</td>
</tr>
<tr>
<td>August 12</td>
<td>Second Session Ends</td>
</tr>
</tbody>
</table>

## 2003

### JANUARY

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

### FEBRUARY

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

### MARCH

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

### APRIL

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

### MAY

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

### JUNE

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

### JULY

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

### AUGUST

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>
The University

The University of Tennessee is the state’s flagship institution, offering comprehensive programs of undergraduate, graduate, and professional education, research, and public service throughout the state. The university is composed of the campus at Knoxville, the Health Science Center at Memphis, the Space Institute at Tullahoma, and statewide institutes of agriculture and public service.

The campus at Knoxville is the only public institution in the state with the Carnegie classification of “doctoral/research university-extensive.” The campus offers more than 300 degree programs to its 25,500 students, who come from every county in Tennessee, every state in the nation, and more than 100 foreign countries.

A faculty of 1,200 provides high quality educational experiences to students while also performing research and providing public service to the state and nation.

UT is a major research institution, attracting more than $90 million in research funding annually, Centers of Excellence in advanced materials, environmental biotechnology, structural biology, food safety, and information technology have exceeded projections for grant support since their founding in late 2000.

UT is one of the first major universities in the century to have campus-wide wireless access to the Internet and university data bases. Every academic building and most administrative offices have wireless connections.

UT-Battelle manages the Oak Ridge National Laboratory, located 25 miles northwest of campus. UT’s involvement places it among a select group of universities that manage national laboratories for the U.S. Department of Energy.

ORNL is the university’s largest research partner. The Science Alliance, a Tennessee Accomplished Center of Excellence, strengthens research ties between UT and the laboratory and improves science programs at the university. As part of the Science Alliance, UT and ORNL share 12 Distinguished Scientists, who hold the rank of full professor at the university and senior scientist at the laboratory.

The university’s libraries have more than 2 million volumes as well as online access to numerous prestigious collections.

Through public service, the university extends its resources throughout the state and nation. Lifelong learning programs are delivered online and via video and correspondence to off-campus students, particularly working adults seeking college degrees or career advancement.

HISTORICAL BACKGROUND

The University of Tennessee, one of the nation’s older institutions of higher education, celebrated its Bicentennial in 1994. Two years before statehood was achieved, the legislature of the Southwest Territory, which later became Tennessee, granted a charter to Blount College, named in honor of William Blount, territorial governor.

Located near the center of Knoxville’s present business district, Blount College was nonsectarian in character, which was unusual for an institution of higher education in that day. The University has remained nondenominational and is said to be the oldest such institution west of the Appalachian Divide.

From the outset, Blount College was all-male, as were most colleges at the time. The restriction was ended in 1892, when the first women students were admitted. The University of Tennessee thereafter was fully coeducational.

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

East Tennessee University reopened after the war, and in 1869 the state legislature selected the University as the state’s Federal Land-Grant Institution, under terms of the Morrill Act passed by Congress in 1862. This enabled the University to broaden its offerings by adding agricultural and engineering courses to its curriculum, as well as military science, which the Morrill Act required.

The university has grown almost constantly since then. The medical campus, founded in Nashville and acquired by the university in 1879, moved to Memphis in 1911. The University of Tennessee at Martin, established in 1900 as a private institution, became part of UT in 1927. The University of Tennessee at Chattanooga was established in 1969 when the private University of Chattanooga merged with UT. The Space Institute, a graduate research and education center near Tullahoma, opened in 1964.

The Institute of Agriculture, headquartered in Knoxville, traces its beginnings to 1869 when UT became Tennessee’s land-grant institution, and the Institute for Public Service was founded and brought together several existing government and industrial outreach programs in 1971.

Today the University of Tennessee System serves the entire state through three separate institutions: the University of Tennessee (Knoxville, Memphis, and institutes of agriculture, public service, and space), the University of Tennessee at Chattanooga, and the University of Tennessee at Martin.

UT has among its faculty and alumni two Nobel laureates, seven Rhodes scholars, six Pulitzer Prize winners, and ten astronauts. UT alumni number more than 250,000.

ACCREDITATION

The University of Tennessee (Knoxville campus) is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, and doctoral degrees.

STUDENT AFFAIRS AND SERVICES

ACADEMIC COMMON MARKET

The Academic Common Market is an agreement among states for sharing unique programs. Participating states can make arrangements for their residents who are fully admitted to specific programs at UT (Knoxville campus) to enroll on an in-state tuition basis, if these programs are not available in the state of residence.
The University of Tennessee encourages athletics as a part of its educational program. Men’s Intercollegiate sports are administered by the Department of Intercollegiate Athletics, Doug Dickey, Director. Women’s Intercollegiate sports are administered through the Division of Student Affairs under the direction of the Department of Intercollegiate Athletics for Women, Joan Cronan, Director.

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

There are women’s teams in basketball, swimming, rowing, softball, soccer, tennis, volleyball, cross country, and indoor and outdoor track and field. Intercollegiate varsity games are played according to the rules of the NCAA and the SEC. Eligibility for participation is determined by the NCAA, the SEC, and the University faculty. Any full-time female undergraduate student is eligible to try out. Additional information can be obtained by writing to the Director of Women’s Athletics, 207 Thompson-Boling Arena.

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

THOMPSON-BOLING ASSEMBLY CENTER AND ARENA

Thompson-Boling Assembly Center and Arena opened in December 1987. The facility, which seats 24,535, is named for the late Knoxville businessman B. Ray Thompson and former UT President Edward J. Boling. Thompson-Boling Arena has already attracted such events as the 1989 SEC Basketball Tournament, 1990 Southeast Regional first and second round games, and the 1990 NCAA Women’s Final Four to the University of Tennessee. The 1994 Men’s Southeast Regional finals were held at Thompson-Boling Arena, as were the 1995 Women’s Midstate Regional Championships. The 1999 Men’s South Regional Tournament was also held at Thompson-Boling Arena.

NEYLAND STADIUM

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

The stadium, built and developed by the Department of Athletics over a period of years, was expanded in 1996 to a capacity of 102,854 fans.

New luxury boxes on the upper east side of the stadium were in place for the 2000 season, bringing total capacity to 104,079.

OTHER FACILITIES

Tom Black Track is host to regional and national meets and is built to Olympic specifications. The University hosted the 1995 NCAA Men’s and Women’s Division I Track Championships. The UT baseball facility, the 5,500-seat Lindsey Nelson Stadium, was completed in February of 1993. Named for broadcasting legend and UT alumnus Lindsey Nelson, the facility provides an ideal environment for fans. It was the site of the 1993, 1994, and 1995 NCAA Mideast Regionals. Outdoor tennis courts and a new indoor facility, named the Goodfriend Tennis Center, also afford an excellent vantage point for spectators.

RECREATIONAL SPORTS

The Office of Recreational Sports coordinates recreation activities of the Student Aquatic Center, H.P.E.R., Stokely Athletics Center, including Intramurals, Sports Clubs, Aquatics Programs and Informal Recreation and Fitness Programs. Please refer to Hilloptics, The student handbook for more detailed information.

THE 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 activities; Welcome Week activities, career fairs, and renowned speakers such as Maya Angelou, Tavis Smiley, Cornel West, and Alice Walker.

The new Center opened in April 2002 and is located at 1800 Melrose Avenue. The Center 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 helps students through individual and group assistance to choose a major, assess career alternatives, find employment, and complete a successful transition from the University to the world of work. The Service is especially well-known for its effective placement help which includes on-campus recruitment, job referrals, and other sources of job contacts.

Included among those offered at Career Services are the Strong Interest Inventory; Exploring Majors and Careers, a one credit course designed to help with choosing a major; career counseling appointments; a Career Resource Center that includes a comprehensive collection of career-related books, magazines, articles, and videotapes; information about a wide variety of internships, annual Career Fairs providing opportunity to speak informally with representatives from hundreds of different employers about their entry level jobs and hiring practices; and an annual Summer Job Festival.

Also available are resume critiques; video-taped mock interviews; Workshops providing instruction in skills and tactics for successful interviewing, resume preparation, Business and Dining Etiquette, and other topics; Credit Courses, including Business Career Planning and Placement, Engineering Career Planning and Placement, and Exploring Majors and Careers.

On-Campus Interviews are scheduled during the year of graduation and require registration. A state-of-the-art web-based information and scheduling system is used. Thousands of interviews are scheduled each year which include approximately 500 companies, government agencies, and school systems.

Career Services also includes a Part-time Employment service for students seeking on-campus or off-campus jobs. Job vacancies are listed on the departmental website and in the Career Resource Center. An Alumni Placement Service offers assistance in the job search after graduation and a Credential Service is available for doctoral candidates in professions requiring documentation of career-related experiences along with letters of recommendation.

For information regarding Career Services call 974-5435 or check the web site at http://career.utk.edu.

CENTER FOR INTERNATIONAL EDUCATION

(International students interested in applying to UT should consult the requirements listed in the International Student Applicants section of this Catalog, or for graduate studies, the Graduate Catalog). The goal of the Center for International Education, 1620 Melrose Avenue, is to promote and facilitate the internationalization of the UT campus, curriculum and community. It assists students and faculty from other countries with matters of particular concern to them during their stay in the United States. It provides advice concerning visas and with the U.S. Immigration and Naturalization Service (INS). The Center is UT’s official representative to INS, to international educational organizations and to foreign governments.

The Center serves as a liaison with international students and scholars and the faculty and other University offices. It assists with adjustment through orientation programs required of all new international students at the beginning of each academic term, and through individual advising and counseling on personal and academic matters.

The Center also serves students and faculty
interested in travel, work or study abroad. Staff are available to advise, to assist in the preparation of fellowship/scholarship applications, and to provide information on a broad range of international topics. A reference library of overseas study and travel materials, scholarship and other special programs intended to serve those with international interests is at the Center. International exchange programs through which enrollment at more than 100 universities throughout the world becomes possible and affordable for UT students are available. The phone number of the Center is 974-3177. E-mail: CIE@UTK.EDU.

UT's International House, 1623 Melrose Avenue (phone (865) 334-533), is an integral part of the Center for International Education. The 30,000 square foot facility opened in the winter of 1995-96 and serves as a meeting place for everyone, regardless of nationality. The "I-House," always offers a cup of coffee or tea and features numerous meeting rooms, informal seating areas, a computer lab, international television, table tennis and a library. A list of I-House events may be accessed via the main UT Web homepage.

**CULTURAL OPPORTUNITIES**

**ART**
Exhibits of the work of artists, craftspersons and architects are sponsored on a regular basis by the School of Art and the College of Architecture and Design. The Ewing Gallery of Art and Architecture, located on the ground floor of the Art and Architecture Building, hosts major exhibitions of work by national and international artists for periods of three to four weeks. A photoscoped location on the ground floor of the Art and Architecture Building, is used for short-term exhibits and project critiques. The Reese collection, a group of outdoor sculpture, is on permanent display throughout the campus.

1010 Gallery, administered by the School of Art Student Advisory Committee, is located off-campus in the Candy Factory Building on the World’s Fair Site. This gallery features student work in short-term exhibits.

Arrowmont School of Arts and Crafts, a UT affiliated located in Gatlinburg, Tennessee, displays works by faculty and students during the summer months, and works from both the permanent collection and sponsored competitions during the remainder of the year.

The Art Education Gallery is located on the ground floor of Claxton Education Building, and features work by elementary, high school and university students and by regional artists. The gallery is open year-round and most exhibits are on display from three to four weeks.

The Ralph E. Dunford Art Collection and the Marian G. Heard Crafts Collection are housed and exhibited in the University Center. These collections and each year with purchases made possible through student programs. Acquisitions of works by area artists are emphasized by the selection committee. Additionally, shows selected by the Student Exhibition Committee are exhibited on a monthly basis in the Concours Gallery and the Barton Music Lounge of the Carolyn P. Brown Memorial University Center.

**BROADCASTING**
WUOT 91.9 FM broadcasts in stereo with an effective radiated power of 100,000 watts, as authorized by the FCC, 24 hours each day. WUOT presents a classical and information format designed to enrich and improve the quality of life for those within reception range. Programming includes National Public Radio news, classical, and jazz music. WUOT is a charter member of National Public Radio, Public Radio International, and Southern Public Broadcasters. WUOT meets Corporation for Public Broadcasting criteria for full service operation as a public radio station and is a member in good standing of the National Association of Broadcasters. www.wuot.org

WUTC-FM is a student-oriented radio station operated by the Department of Broadcasting at the University of Tennessee (Knoxville campus). Broadcasting majors serve as announcers, news writers and reporters, producers, and account executives. The station is programmed as an alternative rock music station and is located at 90.3 on the FM band. The target audience for the station is the student population of UT. Studios are located at P-103 Andy Holt Tower.

**CONCERTS**
Popular and cultural concert series bring to the University community some of the finest artists in the entertainment field.

Major popular music artists regularly perform in the 25,000 seat Thompson-Boling Arena.

The student "Campus Entertainment Board" has exclusive responsibility to sponsor smaller and emerging popular entertainment at various locations across the campus. Bands, comedians, and special events are part of the fun.

Another student committee, the "Cultural Attractions Committee," is responsible for the presentation of programs in the arts to include drama and music. Jazz, strings, woodwind, brass and classical dance and music productions are annually presented.

**FRANK H. MCCLUNG MUSEUM**

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

Archaeological specimens, some as old as 12,000 years, were discovered in the University’s extensive excavations in the Tennessee River Valley. Exhibits at McClung Museum include a new major exhibition "Archaeology and the Native Peoples of Tennessee." Another major, continuing exhibit "Ancient Egypt: The Eternal Voice" highlights life in the Nile Valley from the predynastic through the pharaonic period, with statuary, artifacts and a Dynasty XXI mummy. The continuous exhibition "The Decorative Experience" in the Judge John and Ellen Green and Eleanor Deane Audigier Gallery showcases selections made of a variety of materials such as ceramics, glass, textiles and metals from the Museum's collections. Some aspects of the geological sciences and the natural history of Tennessee are also displayed on the main floor.

Temporary exhibits are added to the permanent display throughout the year.

**THEATRE**

Two theatre companies comprise The University of Tennessee Theatres.

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

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

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

The professional and university companies perform in the Clarence Brown Theatre and the Cumberland Theatre. The Clarence Brown Theatre was built in 1970, and includes the 600-seat main auditorium with a proscenium.
The Ula Love Doughty Carousel Theatre is a theatre-in-the-round constructed in 1951. Preceded by a tent theatre, this permanent structure, the Carousel, provides intimate performance surroundings. The seating is flexible, accommodating 350 to 500 patrons.

The season runs from September through June, and features a combination of student/ faculty and professional productions. The Department of Theatre also hosts several international artists annually.

All University students are welcome to participate in the University of Tennessee Theatres.

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 in order 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 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. Van service is also provided to those individuals with mobility limitations whether permanent or temporary. Documentation of the disability within the last three years from an attending physician or psychologist is required.

To contact the office, call (865) 974-6087, fax: (865) 974-9552, or e-mail: www.ods.edu. To view the web site: ods.utk.edu.

DINING SERVICES FACILITIES

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

MEAL PLAN OPTIONS

Unlimited Access Plus Plan

Unlimited Access means just that! You may enter Presidential Court Cafe, Sophie’s Place, and Morrill Dining facilities as many times as you like and eat as much as you want, full meals or snacks! You also receive $300 bonus bucks per semester.

The Any Ten Plan

You choose up to 10 meals weekly to be eaten at Presidential Court Cafe, Sophie’s Place, and Morrill Dining facilities. You also receive $300 bonus bucks per semester.

The Varsity Inn Fifteen Plan

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

- Fees are paid on a per semester basis.
- Rates subject to final University approval.
- Local sales tax is added to the price of off campus meal plans.

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

- Meal week begins on Monday at breakfast and ends on Sunday after lunch.
- Bonus bucks may be used whenever you choose at any Dining Services’ facility on campus, including convenience stores. Unused bonus bucks are forfeited at the end of the semester.
- Meal equivalency is another feature of your meal plan that may be used at select retail dining facilities. Certain restrictions apply at these locations.

- Any Ten Plus and Any Ten meal plan participants can elect to eat all their meals at Varsity Inn Dining. Please contact Dining Services for more information.
- Students living in North Carrick, South Carrick, Humfrey Reese, Gibbs, and Morrill Halls are required to select a meal plan.
- The AllStar Account and The Diner’s Club may also be used in Dining Services’ facilities. Contact the voic a telephone at 974-3430 for more information on these accounts.
- To initiate or amend a meal plan, call UT Dining Services at 974-4111.

EDUCATIONAL ADVANCEMENT PROGRAM

The Educational Advancement Program, funded TRIO program designed to provide counseling, academic advising, instructional, tutorial, and mentoring services to students with demonstrated academic needs who are also first generation college student, low income, or who have physical disabilities. The project serves 250 students and provides the following services to those who meet program eligibility criteria after application and interview:

Counseling: Trained professionals offer advice and help students develop personal strategies in matters related to financial aid, learning styles, relationships with family and friends, adjustment to college, personal and career decision making.

Academic Advising: EAP Counselors provide accurate, thorough, and personalized one-on-one advice about general curriculum and major requirements for majors in every college in the university.

Academic review advising is an additional service provided by the counselors.

Tutoring: The program employs 35 experienced and knowledgeable undergraduate and graduate students who are trained to provide one-on-one tutoring in a wide range of 100, 200, and 300 level subjects. Students receive 2 to 3 hours of individualized assistance per week. Group tutoring is also available.

Mentoring: A series of structured cultural and social events is scheduled for selected EAP students centered around the need to develop networking skills. Citizens of the Knoxville metropolitan community are invited to share with students.

Instruction: EAP offers special sections of selected classes that have limited class size (25), increased number of class meetings, with empathetic faculty for students who have a need for the personal touch.

Mathematics 123—Finite Mathematics
Mathematics 125—Basic Calculus
Biology 101, 102—Human Kind in a Biotic World
Chemistry 120, 130—General Chemistry

RONALD MCNAIR POST-BACCALAUREATE ACHIEVEMENT PROGRAM

The Ronald McNair Program is designed to encourage and facilitate doctoral studies by first generation college students, low income, handicapped, and students from under-represented groups in the fields of agriculture, engineering, biology, chemistry, computer science, microbiology, math, physics, statistics, anthropology, psychology and other related fields of study.

The McNair Program provides comprehensive student needs assessment and a paid eight-week summer research internship ($2,800). In addition, it provides students six hours of academic credit (summer coursework in oral and written communications, statistics, and research techniques), graduate survival skills seminars, interaction with researchers, housing, meals, and travel allowances, graduate placement services, and long term contact and follow-up. The program also operates an academic year component which offers graduate school application workshops, Graduate Record Examination preparation seminars, and graduate school visitation tours.

For additional information, offices are located at 201 Aconda Court or phone 974-7900.

FRATERNITIES AND SORORITIES

Greek Life at the University of Tennessee includes 24 social fraternities and 17 social sororities. These groups are coordinated by the Interfraternity Council and Panhellenic Council, respectively. These organizations are dedicated to the development of individual potential, emphasizing sound scholarship and the interests and talents of their members. Fraternities and sororities foster a balanced program of social activities and service projects within both the university and the community. Greek organizations are open to new members throughout the school year and encourage interested men and women to acquaint themselves with the Greek system at any time.

HEARING AND SPEECH SERVICES

The Hearing and Speech Center provides one-on-one advice about general curriculum and major requirements for majors in every college in the university.

Academic review advising is an additional service provided by the counselors.

Tutoring: The program employs 35 experienced and knowledgeable undergraduate and graduate students who are trained to provide one-on-one tutoring in a wide range of subjects. Students receive 2 to 3 hours of individualized assistance per week. Group tutoring is also available.

Mentoring: A series of structured cultural and social events is scheduled for selected EAP students centered around the need to develop networking skills. Citizens of the Knoxville metropolitan community are invited to share with students.

Instruction: EAP offers special sections of selected classes that have limited class size (25), increased number of class meetings, with empathetic faculty for students who have a need for the personal touch.

Mathematics 123—Finite Mathematics
Mathematics 125—Basic Calculus
Biology 101, 102—Human Kind in a Biotic World
Chemistry 120, 130—General Chemistry

The Hearing and Speech Center, located at 1600 Peyton Manning Pass, 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 University Programs and Services Fee or, if taking fewer than nine hours of academic credit, the speech fee of $60 per semester.
hours, for any student who has paid the optional student health service fee.

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

The Center is accredited by the American Speech-Language-Hearing Association Professional Services. Further information is available at www.uthearingandspeech.org.

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.

On-campus housing provides an atmosphere which is conducive to academic achievement and personal development and it is therefore recommended that all students reside in University housing. All freshman students who are not living with a parent or guardian are required to live in University housing.

Housing contracts are a commitment for the academic year, or for shorter periods if the student enters the University during spring. A Housing Application will be mailed as a part of the Application for Admission. Residence Hall assignments for the academic year are made in the late spring and summer. The student must be admitted to the University prior to being assigned. If a student withdraws from the University, the housing contract is cancelled in accordance with policies stated in the contract. Students assigned to residence halls desiring a meal plan will be issued contracts for both room and meals. A contract for housing signed by a student is binding for the term of contract and is rigidly enforced by the University.

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

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

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

Married Students. The University maintains modern apartment facilities in several locations for married students with families. In addition, single graduate students are accommodated on a space available basis. Information and application for these facilities may be secured from the Department of University Housing, The University of Tennessee, Knoxville, Tennessee 37996-0241.

OFFICE OF INFORMATION TECHNOLOGY

The Office of Information Technology (OIT) provides computing and telecommunications resources and services for students, faculty, and staff. Information about OIT is available on the OIT web site http://oit.utk.edu.

OIT provides the core information technology equipment and services for The University of Tennessee. OIT provides public-access computer labs, central computing, administrative information systems and network services, as well as information security for UT.

Individual computer accounts are provided at no charge for all UT students. These accounts may be used for e-mail, course work, research, and personal Web pages. Information and on-line registration for computer accounts are available at http://oit.utk.edu/helpdesk/account. Students are also encouraged to download Norton AntiVirus software at no cost from http://www.nav.utk.edu/.

Students on the Knoxville campus may access the Internet through direct Ethernet, wireless, or dial-up accounts. Students living in the on-campus Residence Halls are each provided with a switched 10Mb Ethernet connection. For off-campus students, the Enhanced Remote Access (ERA) pool is provided by 756 modems supporting 56 Kbps analog and 64Kbps/128Kbps ISDN connections. All students can take advantage of UT’s new wireless infrastructure available in most of the academic and administrative buildings on campus.

To provide access to computing facilities on campus, OIT maintains seven staffed computing labs, several un-staffed labs, and supports computing installations in residence halls. The computing labs are equipped with more than 300 microcomputers including current models of Apple, Dell, and Gateway machines. In addition, there are laser printers, scanners, CD-Writers and zip drives available. A variety of industry standard software applications are used on the machines in the computing laboratories. Please refer to http://oit.utk.edu/labs.html for more information.

OIT HELP DESK

OIT provides the telephone Help Desk as a centralized source of information and service for the computer and network resources managed by OIT. Help Desk services are available to all UT students. Students may call the HelpDesk with questions in such areas as your e-mail, Internet usage and Web page design, ERA account setup and billing, desktop hardware and software, wireless and ResNet connectivity, and UNIX account. The HelpDesk phone number is 974-9900. You may also contact the HelpDesk by sending your questions via e-mail to helpdesk@utk.edu.

OIT CUSTOMER SERVICE CENTER

OIT maintains a Customer Service Center that centrally locates all contact points for walk-in support on related OIT services. Students can receive assistance and/or training on a wide variety of topics at our Customer Service Center. Just an example of some of the services offered include registering for an e-mail account, signing up for an ERA account, getting an Ethernet or wireless card installed, resetting a password, training on how to construct Web pages, and learning how to download or transfer files across the network. We will also help students learn how to download and use virus protection programs as well as help students with other applications like My Blackboard, TELNET, and WebMail.

The Customer Service Center is open Monday through Friday, 9 a.m. until 4 p.m.

ENHANCED REMOTE ACCESS (ERA) AND SUPPORT

Any UT student, staff, or faculty member can obtain an ERA account that will give them access to the Internet, as well as UT’s computing facilities, from home. OIT supports approximately 6,000 users of ERA. Currently OIT provides up to 128K ISDN connections and 56K analog connections. The Enhanced Remote Access office is located in room 103 of Acoda Court at the corner of Volunteer and Cumberland. The ERA staff will help you set up your account as well as provide technical assistance either over the phone (via the Help Desk number 974-9900) or for walk-in customers.

RESNET CONNECTIONS

OIT has wired every dorm room on campus for network access. The ResNet community enjoys a dedicated 45 Mbit DS-3 connection to the commodity internet. Each network port in the room is a 10Mb dedicated Ethernet connection. Students living in the dorms with network capable computers will be connected free of charge. Students with computers that do not have network cards installed may obtain a network card at a reduced price. Technicians are available to install and configure the network card free of charge at the Customer Service Center in Aconda Court.

TECHNOLOGY TRAINING

Several courses are offered aimed at improving skills with the technology available at UT. Life Preserver: An Introduction to UT Computing is offered several times each semester on supported application software and operating systems. Other courses include those about MS Office products, Dreamweaver, JavaScript, Visual Basic, object-oriented programming, aircraft maintenance, and many more computing topics. CBT offers courses for Microsoft products (Word, Excel, etc.), Internet topics (Internet basics, How to create a Web page, etc.), and more advanced topics, such as JavaScript, Visual Basic, object-oriented techniques, and open systems. There are over 500 courses available, and most are free to UTK students. For registration and access to the CBT courses on the WEB go to http://oit.utk.edu/~training for more information.

COMPUTER-BASED TRAINING

Computer-Based Training (CBT) is a self-paced series of interactive, WEB delivered, learn-as-you-go courses focused on many computing topics. CBT offers courses for Microsoft products (Word, Excel, etc.), Internet topics (Internet basics, How to create a Web page, etc.), and more advanced topics, such as JavaScript, Visual Basic, object-oriented techniques, and open systems. There are over 500 courses available. This training is free to UTK students. For registration and access to the CBT courses on the WEB go to http://oit.utk.edu/cbt.

STATISTICAL CONSULTING CENTER

The mission of the Center is to help people enhance the quality of their research by working together to effectively apply statistical,
graphical and computing techniques. We assist UT students, faculty and staff researchers. The costs for most of our services are centrally funded for the first ten hours of assistance each semester. Beyond that you or your department would be billed. Services offered include software support, research planning, data access and management, analysis and interpretation, and presentation of results. For details, see http://oit.utk.edu/ssc/.

OIT WEB SITE AND DOCUMENTATION
The OIT WEB page provides you with access to information about, and access to, our many OIT services. It's located at http://oit.utk.edu/ This information includes The Life Preserver, a manual to help you get started using your UNIX account and sending/receiving e-mail, quick reference guides, and frequently-asked-questions (FAQ) Web pages.

CAMPUS PHONE AND CABLE TV
OIT provides telephone services for students living on-campus in residence halls and off-campus in University resident apartments. OIT also offers on-campus students full cable TV service at an affordable price. Cable TV service shows new releases, movie classics, and much more over such channels as, ESPN, MTV, BET, History, VTV-33 Movies. Please refer to http://oit.utk.edu/services.html for more information.

THE INNOVATIVE TECHNOLOGIES CENTER (ITC)
The ITC (http://itc.utk.edu) enriches the educational experience of UTK students by supporting the innovative community in advancing learning through the use of instructional technologies. The ITC's services and resources are available to all UTK faculty, academic teaching staff, and graduate teaching assistants. In addition, the ITC provides Online@UT, the university's fully integrated online academic community of course materials, campus-based services and resources, and university organizations with an online presence. For more information, please refer to http://online.utk.edu.

MINORITY STUDENT AFFAIRS
The Office of Minority Student Affairs is housed in a two-story, free standing structure—The Black Cultural Center. The Office serves as a link between the University and its minority student population. The Office, located at 1800 Melrose Avenue, 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.

OAK RIDGE ASSOCIATED UNIVERSITIES (ORAU)
Since 1946, students and faculty of the University of Tennessee have benefited from its membership in Oak Ridge Associated Universities (ORAU), a consortium of colleges and universities and a management and operating contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to develop research alliances among its members. Through the Oak Ridge Institute for Science and Education, the DOE facility that ORAU manages, undergraduates, graduates, post-graduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointments and program length range from one month to four years. Many of these programs are especially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing of these programs and other opportunities, their disciplines, and details on locations and benefits can be found on the ORAU website at www.orau.org.

ORAU’s office for Corporate and Partnership Initiatives seeks opportunities for collaborative research and development alliances among ORAU’s members, private industry, and major federal facilities. Examples of alliances include the Southern Association for High Energy Research, High Performance Computing, Bioprocessing, and the Materials Science Forum. Other activities include the sponsorship of conferences and workshops, the Visiting Scholars program, and the Junior Faculty Enhancement Awards.

For more information about ORAU and its programs, contact Dr. Lee Magrid, ORAU Council member, at (865) 974-2470; or contact ORAU’s vice-president at (865) 576-1898.

PARKING AND VEHICLE OPERATION
The University of Tennessee endeavors to provide adequate facilities for vehicles operated by students and staff. However, areas available for parking are necessarily limited. To reduce traffic congestion within the campus area, large student parking areas are located on the perimeter of the campus. Presently, bus service is available from the Main Campus to the Agriculture Campus. Also, bus service is available to university apartments at a nominal fee.

Each person who operates a motor vehicle in connection with attendance or employment at the University must register that vehicle with the Parking Services Office. There is no charge for vehicle registration; however, a parking permit is required for parking on all University lots, streets, parking structures, or leased lots.

Staff and students with current UT parking permits may park in unreserved staff areas from 5 p.m. to 3 a.m. After this time, vehicles without permits for these areas may be towed. Parking is not permitted in the Student Commuter Parking Areas nor in the Student Aquatic Center Parking Area between 3 a.m. and 6 a.m. except permit.

At times, certain areas will be reserved for parking for special events such as athletic events, conferences, etc. Parking for these events will be by special parking permit for the specific event.

A University Traffic and Parking Authority determines the parking policy, traffic regulations, and fees. This information is published in the “University Traffic and Parking Regulations” and is available at the Parking Services Office, 24 University Center or 2121 Stephenson Drive; at the Campus Information Center at Circle Park; and at the vehicle point of registration.

PROBATION SERVICES
The Office of Probation Services has responsibility for supervising all students placed on Disciplinary Probation for violations of the University Standards of Conduct. This may include ongoing meetings and/or referral to other campus or external agencies. The office is located in Suite 409 of the Student Services Building.

RELIGIOUS RESOURCES
The University, established by a government that recognizes no distinction among religious beliefs, seeks neither to promote any creed nor to exclude any. However, it will always be diligent in promoting the spiritual life of its students in part through its work with the Campus Ministers Council.

STUDENT COUNSELING SERVICES CENTER
The Student Counseling Services Center provides services designed to help students with educational, vocational, personal, and social problems. Psychologists and advanced doctoral students in psychology work with the student in a setting that allows confidential discussion of the student’s concerns. In addition, various groups are available to meet the developmental needs of the students. These group settings provide the opportunity to share and learn from others and/or improve specific skills.

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

First-time users of the Counseling Center may come during our walk-in hours, which are 10:00-11:30 a.m. and 1:00-3:30 p.m., Monday-Friday. If these times are not available in the student’s schedule, they may call the Center for a convenient time. Anyone in crisis is seen immediately at the Center during the week, Monday-Friday from 8:00 a.m.- 5:00 p.m.

The Counseling Center is located at 900 Volunteer Boulevard. Phone number: (865) 974-2196. Web address: http://web.utk.edu/~counsel

STUDENT GOVERNMENT ASSOCIATION
The Student Government Association (SGA) is composed of the Student Senate, the Undergraduate Academic Council, the Graduate Student Association, Student Services Committees, and the Freshman Council. SGA is the governing body of the students at UT. Some objectives are to provide a vehicle for responsible and effective student participation in student life and to promote the recognition of student rights and responsibilities.
Health Service personnel will cooperate with students and family physicians in ensuring the continuity of quality health care during their university career.

**STUDENT JUDICIAL AFFAIRS**

The Office of Student Judicial Affairs has primary responsibility for processing allegations of student misconduct. Personnel within this office serve as advisors to, and administrators of, the student judicial system and when necessary, initiate appropriate disciplinary proceedings. The office is located in Suite 409 of the Student Services Building.

**STUDENT ORGANIZATIONS**

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

A listing of all student organizations is found in Hilltopics, the student telephone directory, and on the Dean of Students' web site. Student organizations must be registered through the Office of the Dean of Students in the fall of each year and update their file each semester.

**STUDENT ORIENTATION**

This office is dedicated to helping new students adjust to the university setting. It concerns itself with general, personal, and scholastic difficulties of the student during their first year of enrollment at UT. The office is responsible for the summer orientation program, specifically designed for the fall-term new student, as well as orientation programs for freshmen and transfer students presented prior to the beginning of each term. The office is located in Suite 412 Student Services Building.

**STUDENT PUBLICATIONS**

Three editorially independent student publications are printed during each school year to serve as sources of information for students, to report the many events of interest to the campus community, and to record the year’s activities.

- The Daily Beacon, a student newspaper,
- The Volunteer, yearbook of campus activities,
- The Phoenix, literary/art magazine, are sponsored by The University of Tennessee Student Publications Board.

**STUDENT RIGHTS AND RESPONSIBILITIES**

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

Students are responsible for being fully acquainted with the University catalog, handbook, and other regulations pertaining to students. They are responsible for complying with them in the interest of an orderly and productive community. The student handbook, Hilltopics, is published and distributed annually and is also available on-line at the Dean of Students' web site so that students are aware of the University Standards of Conduct and all disciplinary regulations and procedures.

Since conduct and actions will be measured against the standards, students should understand that they assume full responsibility for the consequences of their actions and behavior. The academic community will be judged in large measure by the actions of its members. Therefore, it is incumbent upon students to include the implications for their community in their criteria for determining appropriate behavior.

Failure or refusal to comply with the rules and policies established by the University may subject the offender to disciplinary action up to and including permanent dismissal from the University.

**SUMMER SCHOOL SESSION**

The summer school session offers current and visiting undergraduate and graduate students the opportunity to take a variety of courses offered by 11 colleges and schools. Information on summer courses and registration can be found at Circle Park on line www.cpo.utk.edu or the summer school web site www.outreach.utk.edu/evening. For a Summer School timetable call 1-800-676-8657 or (865) 974-5361.

Summer catalogs with additional information are available after March 1 from the Summer Sessions Office located in 451 Communication Building.

**WOMEN’S CENTER**

The Women’s Center provides essential information and referral services to UT students, staff and faculty as well as the Knoxville community. The library’s specialized collection provides books, journals, and brochures about issues and concerns of women from both a current and a historical perspective. Information is available on a variety of topics ranging from racism, violence against women, cross-cultural studies, feminist theory, gay studies, local/statewide activism to poetry and health. The Women’s Center is the location of the UT Women’s Coordinating Council, as well as the Knoxville Chapter of the National Organization for Women. The Center is located in 301 University Center.

**WRITING CENTER**

The Writing Center offers free, one-to-one assistance to all writers on the UT campus. Students, faculty, and staff may drop by at any time to get feedback during every stage of the writing process. The up-to-date facility and trained tutors provide a supportive environment where writers can work and ask questions about their written texts. A variety of reference and writing instruction materials are available for use, as well as computers for those who are working with the Writing Center tutors.

Students enrolled in English 101 or 102 may enroll in English 103 or 104, writing workshop courses that meet two hours per week in the Writing Center, for one hour of credit. The Writing Center is located in Room 211 of the Humanities and Social Sciences Building.
UNIVERSITY FEES

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

All tuition, maintenance, and course related charges and refunds will be made to the nearest even dollar. All charges are subject to subsequent audit and verification. The University reserves the right to correct any error by appropriate additional charges or refunds.

All students must confirm their attendance by 1) making the minimum payment or 2) signing a Confirmation of Attendance form if no fees are due by the student. If the student does not owe fees due to a waiver (staff, GA, GTA, GRA, etc.), financial aid including scholarships, or fees are paid by another source, a signed Confirmation Form must be received by the Bursar's Office 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, teaching associates, research assistants, staff and others whose fees may be billed, prepaid, or waived. Late registration fees are applicable to students who register during Final Registration.

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

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

**APPLICATION FEE** ........................................ $25
Each first-time undergraduate for admission must be accompanied by a non-refundable fee of $25 before it will be processed. This fee is not required for transfers within the University system.

**VOLXPRESS**

VOLXpress, the University of Tennessee's centralized accounting system, allows students to pay all of their fees and charges with one check in the mail. Through VOLXpress, students are mailed statements to their billing address that include their 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 their accounts, any excess funds from scholarships and/or loans, and choices about how to receive them.

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

Each student must submit any change of address to CPO.UTK.EDU to ensure timely deadlines are observed. The Timetable of Classes lists the dates of registration and when and if statements will be mailed.

**METHODS OF PAYMENT/CONFIRMATION**

You may pay and/or confirm your account by mail with a check or with Mastercard, Visa, or Discover on the web at CPO.UTK.EDU or by telephone (865) 656-2527.

<table>
<thead>
<tr>
<th>MAINTENANCE FEES (IN-STATE FEES)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate Students—</strong></td>
<td></td>
</tr>
<tr>
<td>Full Time (12 hours or more)</td>
<td>$1,617</td>
</tr>
<tr>
<td>Per Semester</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TUITION (OUT-OF-STATE FEES)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate—</strong></td>
<td></td>
</tr>
<tr>
<td>Full Time</td>
<td>$3,768</td>
</tr>
<tr>
<td>Per Semester</td>
<td></td>
</tr>
</tbody>
</table>

Part-time students pay fees computed by the semester hour credit (or audit) at the rates shown below, total charge not to exceed the regular maintenance fee for in-state students or the maintenance fee plus tuition for out-of-state students.

<table>
<thead>
<tr>
<th>MAINTENANCE (IN-STATE FEES)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate Students—</strong></td>
<td></td>
</tr>
<tr>
<td>Part Time (11 hours or less)</td>
<td>$135</td>
</tr>
<tr>
<td>Per Hour (credit or audit)</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>UNIVERSITY PROGRAMS AND SERVICES FEES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall and Spring Semester—</strong></td>
<td></td>
</tr>
<tr>
<td>Full Time (9 hours or more)</td>
<td>$150</td>
</tr>
<tr>
<td>Per Time (8 hours or less)</td>
<td>$10</td>
</tr>
<tr>
<td>Part Time</td>
<td></td>
</tr>
<tr>
<td>Per Credit (or Audit) Hour</td>
<td></td>
</tr>
<tr>
<td>Summer Semester</td>
<td></td>
</tr>
<tr>
<td>Full Time (9 hours or more)</td>
<td>$90</td>
</tr>
<tr>
<td>Part Time (8 hours or less)</td>
<td></td>
</tr>
<tr>
<td>Per Credit (or Audit) Hour</td>
<td>$7</td>
</tr>
</tbody>
</table>

NOTE: The Program and Services Fee is Non-Refundable

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

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

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

Knoxville campus students taking a course load of 6-8 hours may elect to pay the full Programs and Services Fee.

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

Students taking 6 to 8 hours may also elect to pay the student health fee ($48 for fall and spring, $36 for summer) plus the appropriate part-time Programs and Services Fee up to the maximum of $150.

<table>
<thead>
<tr>
<th>TECHNOLOGY FEE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Full Time (9 hours or more) —</strong></td>
<td>$100</td>
</tr>
<tr>
<td><strong>Part Time (8 hours or less) —</strong></td>
<td>$12</td>
</tr>
</tbody>
</table>

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

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.

<table>
<thead>
<tr>
<th>FACILITIES FEE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The Facilities Fee is a mandatory fee assessed to all students enrolled in credit and audit courses. The fee will be used to provide students with upgraded classroom facilities, expand information technology into the classroom, and fund campus infrastructure improvements. These revenues will be targeted to assist in funding a backlog of campus and classroom projects that will enhance the University's facilities. The fee is $25 per semester for full-time, in-state and $150 per semester for full-time, out-of-state students. The fee will be pro-rated for part-time students.</td>
<td></td>
</tr>
</tbody>
</table>

| MUSIC FEE |  |
| One half-hour lesson per week, per semester — | $80  |
| One hour lesson per week, per semester — | $160  |

Payable by students receiving individual instruction in music. Refunds are determined by the Music Department.

<table>
<thead>
<tr>
<th>SPECIAL COURSE FEES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Departments such as Art, Chemistry, Biology, Engineering, Bowling, and Golf (for example) charge fees per specific course sections. Refunds on these fees are determined by the department or on the same percentage as maintenance and tuition.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROFICIENCY FEES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fees for proficiency examinations are $5 per credit hour for undergraduates and $7 per credit hour for graduates. See Proficiency Examinations for additional information.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FEES FOR COURSES NOT TAKEN FOR CREDIT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fees for courses audited are the same as for courses taken for credit. For fee purposes, courses listed for 0 credit hours are considered as one-hour courses.</td>
<td></td>
</tr>
</tbody>
</table>

| DEFERRED PAYMENT PLAN SERVICE FEE | $20  |
|-----------------------------------|      |
| A Deferred Payment Fee is assessed when payment of any part of a student's account is deferred. It is the student's responsibility to pay all obligations promptly. Students are responsible for charges and fees which are to be paid by a third party. Non-Person Entity (NPE) accounts which include government sponsored agencies and private organizations are automatically assessed a $10.00 billing fee when an authorization is presented to the Bursar's Office. Late authorizations and payments are subject to late payment fees and University schedule cancellation policies and procedures. |
For a priority registered student, minimum payment or a Confirmation of Attendance Form is due by the published due date or the student’s schedule will be canceled. Failure to receive a statement does not relieve the student of their obligation to pay or confirm by the due date. The due date will be published in the Timetable of Classes available from the Registrar’s Office.

For a student who registers 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 due date. This due date will be published in the Timetable of Classes available from the Registrar’s Office. The Final Registration Late Fee is non-refundable.

Students who register during Final Registration will be assessed a late fee based on the following:

- Beginning of Final Registration through 1st full week of classes ........................................ $20
- 2nd week of classes .................................. $40
- 3rd week of classes .................................. $80
- 4th week of classes .................................. $100
- After 4th week of classes .............................. $200

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

- Reinstatement Fee ........................................ $45
- VolXpress accounts which have a balance mid-semester to the end of a term will be assessed a reinstatement fee of $45, and grades will be withheld until all fees are paid in full.

- Returned Check Service Fee
  - All checks are deposited the day they are received. A $20.00 service charge will be assessed when checks fail to clear the bank on which they are drawn. Returned checks will not be redeposited. Cash or certified funds are required for payment of the returned check and service charges.
  - Any student who does not respond within two 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.

- Returned Check Policy
  - Payments made by checks which are returned by the bank adhere to the following returned check guidelines:
    - First Returned Check—Check writing/check cashing privileges are suspended until the returned check and service charges are paid/cleared.
    - Second Returned Check—If the second returned check is within one calendar year of the first returned check, check writing/check cashing privileges are suspended for six months from the date of the second check. If the second returned check is not within one calendar year of the first, check writing/check cashing privileges are suspended until the returned check and services are paid/cleared.
    - Third Returned Check—Check writing/check cashing privileges are suspended for one year from the date of the check.
    - Fourth Returned Check—Check writing/check cashing privileges are permanently suspended.

- Tuition Payment Plans
  - All student fees are due in advance and should be paid in full by the due date shown on the VolXpress statement and listed in the Timetable of classes. Failure to receive a statement does not relieve the student of their obligation to pay or confirm by the due date.

- Deferred Payment Policy
  - Students in good financial standing will be offered a deferment of up to 50% of the total charges on their VolXpress statement. The remaining balance for the term is due approximately 45 days after the first due date. All financial aid must be applied toward fees before a deferment will be considered. A deferred payment service fee of $20 is assessed when any portion of tuition, fees, and other charges are deferred with the approval of the Bursar’s Office. An additional $35 late payment fee will be assessed if the second installment is not paid on or before the due date. An additional $45 reinstatement fee will be assessed if fees are not paid by mid-semester.

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

- Refunds
  - Refunds are defined as the portion of maintenance and/or tuition and University housing/meal charges due as a rebate when a student 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 applicable, all amounts will be applied toward other outstanding fees/fines owed to the University at the time the refund is issued, including outstanding fees due on the Deferred Payment Plan. Any remaining refund balance will be mailed to the student’s billing address.
  - Refunds on payments made by credit card will be applied to the originating credit card.

- Refund/Charge of Fees for Withdrawal (Drop All Classes)
  - After payment of fees and/or a Confirmation 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/Withdrawal Office, 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 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.
  - For a regular academic semester, withdrawal within 5 business days beginning with the first class start date of the semester permits a 90% refund/10% charge. Specific dates will be printed in the Timetable of classes. Withdrawal between 6 and 10 business days beginning with the first class start date of the semester permits an 80% refund/20% charge. (NOTE: the “first class start date” is the date on which all classes begin). Withdrawal between 11 and 15 business days beginning with the first class start date of the semester permits a 60% refund/40% charge. Withdrawal between 16 and 20 business days beginning with the first class start date of the semester permits a 40% refund/60% charge. A 100% charge is assessed for courses dropped after 20 business days following the day before the first class start date. Refunds, in accordance with the withdrawal refund policy, will be made after the drop deadline.

- Financial Aid Withdrawals (Repayments)
  - Repayments are defined as the portion of aid, received by a student after 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 Return of Title IV Funds Policy.
  - 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 Return of Title IV Funds Policy.

- Refund/Repayment Examples:
  - Undergraduate Student
    - Withdrawn 21 days after class began
      - Received Stafford loan of $1,750.00
      - Refund amount = $1,205.22
    - Lived in dorm housing
      - Enrolled on food plan
      - Total institutional costs were $4,063.00
    - Refund to Title IV program is $1,385.16
  - Undergraduate Student
    - Withdrawn 42 days after class began
      - Received Stafford loan of $1,907.00
      - (actual loan amount $1,750.00)
      - Refund to Title IV program is $1,205.22

- Undergraduate Student
  - Withdraw 42 days after class began
    - Received Stafford loan of $1,907.00
    - (actual loan amount $2,000.00)
    - Tuition charge ....................................... $1,767.00
    - Art fee of ........................................... $15.00
    - Institutional charge totaled ..................... $1,907.00
    - Refund to Title IV program is .................... $1,205.22

- Note: The above are examples of the current award year and are subject to change.

- Refund/Charge of Fees for Dropped Courses (Continue With a Reduced Course Load)
  - Students pay fees computed at the appropriate semester-hour rate as indicated in the fee section. No charge is made for courses dropped during the first eight business days following the day before the first official day of University classes. An 80% refund/20% charge is made for courses dropped between nine and 10 business days following the day
The University of Tennessee offers a comprehensive program of financial aid to students who would not otherwise be able to afford to attend. Through these federal, state, and university programs, an eligible student may receive one or more types of assistance. Familiess applying for financial assistance based upon financial need (grants, scholarships, loans and employment) must complete a Free Application for Federal Student Aid annually. Families desiring only a scholarship based on academics and/or merit are not required to complete federal financial aid applications. To receive major student aid programs, a student must have financial need, except for some of the loan programs. Students must also be a U.S. citizen or eligible non-citizen, have a valid social security number, have a high school diploma or General Educational Development certificate, be enrolled or accepted for enrollment as a regular student working towards a degree or certificate in an eligible program, complete a statement of educational purpose and a certification statement on overpayment and default, and register with the Selective Service. Students may not receive aid for correspondence or telecommunications courses unless they are part of an associate, bachelor's or graduate degree program.

When applying for financial aid the Free Application for Federal Financial Aid (FAFSA) must be completed. This information is used in a formula, established by the U.S. Congress, that calculates the Expected Family Contribution (EFC), an amount you and your family are expected to contribute towards your educational costs. Financial need is defined as the difference between the cost of attendance and a family’s contribution towards these educational expenses.

Cost of Educational Expenses Minus
Expected Family Contribution = Financial Need

The University offers three general types of financial aid: scholarships and grants, loans, and part-time employment. These may be awarded individually or in a combination according to the needs of the family and student. For additional information on application procedures, please contact the Office of Financial Aid and Scholarships.

PRIORITY DATE FOR APPLICATIONS

Priority in awarding financial aid will be reserved for processed application data received on or before the priority application deadline of March 1. UT is unable to meet full financial need for all applicants, therefore, requests for financial aid are processed on both a date priority and financial need basis.

Scholarships. The UT scholarship program is made possible through the generosity of funds provided to the university from individuals, alumni, outside foundations, private business, and civic organizations. The majority of the scholarship programs are coordinated by the Office of Financial Aid and Scholarships and are awarded based on demonstrated strong academic achievement and financial need. Some undergraduate scholarships for currently enrolled students are administered by individual colleges or departments may require a separate application.

Scholarship Application Dates. The Early Action Priority Filing Date of November 1 is intended for freshmen who desire early notification of their admissions and wish to be considered for UT’s most competitive scholarships which include the Oldham Scholars, Whittle Scholars, Manning Scholars, Neyland Scholars, Bonham Scholars, Roddy Scholars, Holt Scholars, and McClanahan Scholars. Applicants who complete the admissions application process and submit the Entering Freshman Academic Scholarship Application, with all the supporting documentation, by November 1 will be considered for the competitive scholarships. All October ACT/SAT scores received at UT by December 1 will be considered in the scholarship selection process.

The Regular Admissions Application Priority Filing Date of February 1 is intended for freshmen who desire to be considered for Guaranteed Scholarships (Bicentennial, African American Achievers, Trustees, and Presidential), General University and Alumni Scholarships (except Holt Scholars), and College and Departmental Scholarships (except McClanahan Scholars). Consideration for Guaranteed Scholarships will be automatically granted for all students who apply for admission and meet the criteria for Guaranteed Scholarships. Submission of the Entering Freshman Academic Scholarship Application is not required. Students meeting the criteria for the Guaranteed Scholarships will be automatically awarded. Students may submit additional grades and ACT/SAT scores until August 1 to improve their academic standing for Guaranteed Scholarship consideration.

All scholarships are highly competitive and there are not sufficient funds to assist all qualified students. Most scholarships are awarded for one year, with the recipients competing for scholarships each year of enrollment.

Federal Pell Grant. Pell Grants are awarded only to undergraduate students who have not earned a bachelor’s or professional degree. A Federal Pell Grant does not have to be repaid. All undergraduates applying for need based financial assistance from the university must apply for a Federal Pell Grant.

Federal Supplemental Educational Opportunity Grants. This federal grant is for undergraduate students with exceptional need and is given to students who receive a Federal Pell Grant. Students who are full or part-time may apply. Federal SEOG funds are limited, and do not require repayment.

The Tennessee Student Assistance Award is designed to further the educational opportunities to residents of the state who display financial need. Awards cover approximately one-half of the maintenance fees for Fall and Spring terms.

More information may be obtained by writing to the Tennessee Student Assistance Commission, 404A James Robertson Parkway, Suite 1950, Parkway Towers, Nashville, Tennessee 37243.
STUDENT LOANS

Federal Perkins Loan. A low interest loan (currently 5%) for students with exceptional financial need, as determined by the school. For undergraduate students, priority is given to Federal Pell Grant eligible students. The loan will be issued through the Financial Aid Office, disbursed and repaid to the Student Loan Department in the University of Tennessee, Knoxville Bursar's Office.

Eligibility for the Federal Perkins Loan is determined when the student applies for federal aid using the Free Application for Federal Student Aid. Students will be notified, at the time of award, of the maximum loan eligibility available for undergraduate study or graduate/professional study during an academic year. The total debt a student can accumulate in undergraduate study is $20,000 and in graduate/professional study (including undergraduate loans) is $40,000. Minimum payment is currently $40 per month.

Loan repayment and interest accrual is deferred as long as the borrower remains in at least half-time attendance at an accredited institution of higher education. The borrower has a grace period of nine (9) months after graduation, withdrawal, or less than half-time attendance. Certain circumstances may allow for a borrower to defer payments or cancel a portion of the loan. Deferments and cancellations must be applied for through the Student Loan Department in the University of Tennessee Bursar's Office. The above regulations and provisions of the Federal Perkins Loan Program are correct as of March 2001 and are subject to change by federal legislation or regulation.

The University of Tennessee Student Loan. Student loans from University sources are available to currently enrolled students with a 2.0 or higher cumulative grade point average. A loan of an annual maximum of 1 and 1/2 times the amount of fees paid per term can be extended. One surety or cosigner who meets specific credit requirements is required for each promissory note and a new promissory note must be completed each year a loan is received. The interest rate is 6 percent per year payable on July 1 of each year. Repayment of the amount borrowed plus any unpaid accrued interest shall begin six (6) months following graduation, withdrawal, or when the student ceases to carry at least half-time attendance. Minimum monthly installments will be $30 or 1/26th of the amount borrowed, whichever is greater. The borrower may choose to pay, without penalty, all or any part of the loan plus interest before entering the normal repayment period. The above regulations and provisions are correct as of March 2001 and are subject to change by action of the Board of Trustees.

Federal Stafford Loan Program. This is a low interest loan made by a lender such as a bank, credit union, or savings and loan association. These loans are insured by a Guaranty agency in each state and reinsured by the Federal Government.

To receive a Federal Stafford Loan, a student must apply for federal aid with the Free Application for Federal Student Aid. The student must be in good standing with the University and must be enrolled or admitted in at least a half-time degree program. Federal Stafford loans are available to students on need based eligibility and non-need based circumstances. Students determined eligible for the Subsidized, or need-based, Stafford Loan program will have interest subsidies paid by the federal government to the lending institution while the borrower is in school.

Unsubsidized (non-need based) Stafford loans are available to students regardless of need. Interest will accrue while the borrower of a unsubsidized Stafford loan is in school. The student has the option to pay this interest on a monthly or quarterly basis, or allow it to accrue and capitalize.

Two disbursements of the loan will be made to the borrower at the time of enrollment and middle of the loan period. Some first year undergraduate students who are first time Stafford Loan borrowers will not receive the first loan disbursement until 30 days after the day the program of study begins.

Some first time borrowers must receive Entrance Interview Loan Counseling at the Financial Aid Office before receiving the first disbursement of loan funds. Charges of up to 3% will be deducted from the loan disbursements for federal government and bank loan costs. A student may borrow up to a total outstanding debt of $23,000 as a dependent undergraduate and $46,000 as independent undergraduate. For graduate or professional studies a student may borrow up to a total debt of $138,500 ($65,500 in subsidized Federal Stafford Loan and $73,000 in Unsubsidized Federal Stafford Loan).

Loan repayment amounts will be determined by the lending institution, and will begin no earlier than 6 months after graduation, withdrawal, or less than half-time enrollment. Certain circumstances may allow a borrower to defer payment or cancel a portion of a loan if requested by the borrower through the lending institution. The above regulations and provisions of the Stafford Loan Program are correct as of March 2001 and are subject to change by federal legislation or regulation.

PLUS Program. Federal PLUS loans are available to parents of dependent students enrolled at least half-time in a degree seeking program. This low interest loan program is available to students in good standing with the University. A PLUS disbursed on or after July 1, 1993 will have a variable interest rate which is determined each June (check with your lending institution for the current interest rate). Charges of up to 3% will also be deducted from the loan disbursements for federal government and bank loan costs.

PLUS loans may be requested by the parent borrower for up to the student's cost of education minus any estimated financial aid received. Funds will be disbursed to the school, made co-payable to the parent borrower and the school. PLUS loans are subject to credit checks at the lending institution. Repayment of principal and interest begins sixty (60) days after the final loan disbursement. Certain circumstances may allow the lending institution to defer payment or cancel a portion of a loan if requested by the borrower. The above regulations and provisions of the PLUS program is correct as of March 2001 and are subject to change by federal legislation or regulation.

STUDENT EMPLOYMENT

Many students are employed part-time during their student years in order to supplement financial aid or other sources of support while at the University. Such employment offers valuable aid and develops good working skills. However, the more time spent in employment the less there is available for preparing for classes and involvement in campus life, two of the most important factors contributing to academic success. For those who find employment while classes are in session, the Financial Aid Office administers Federal Work Study. Career Services administers the Student Employment Service.

Federal Work-Study. The federal work program provides jobs for students who have financial need and who must earn a part of their educational expenses. Eligible students are placed in jobs on campus where they can work a maximum of 20 hours per week. Jobs are available in a wide variety of academic departments and other campus units. The rate of pay is above federal minimum wage.

Student Employment Service operates as a central referral agency for all UT students who are eligible U.S. residents. It coordinates listings of part-time employment from both University and private employers with the requests of students seeking employment. Part-time jobs average from 15 to 20 hours per week.
ADMISSION TO THE UNIVERSITY OF TENNESSEE

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

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

REQUIREMENTS FOR UNDERGRADUATE ADMISSION

Anyone interested in attending UT as an undergraduate student should contact the Admissions Office. Return of a complete application form and transcripts to the Admissions Office results in the formation of an admissions file for each applicant. When a file is complete, an admissions decision is made, and the applicant is notified by mail.

PRIORITY FILING DATES

COMPLETED APPLICATIONS AND NECESSARY DOCUMENTS SHOULD BE POSTMARKED BY THE FOLLOWING DATES:

- November 1—Competitive Scholarship filing date for freshman applicants.
- Competitive Scholarships include Oldham Scholars, Whittle Scholars, Manning Scholars, Bonham Scholars, Holt Scholars, Neyland Scholars, Roddy Scholars, Tennessee Scholars, and McClanahan Scholars.
- November 1—Early Action priority filing date for freshman applicants who desire early notification of their admission status. UT will offer admission to students in this group by mid-January, with the remainder being considered for admission in the February 1 applicant pool. Early Action does not require an early commitment from the applicant; however, Competitive Scholarship recipients must respond to offers of scholarships by April 1. (An extension may be granted upon written request; such requests will not jeopardize a student’s status for admission or financial aid.)
- February 1—Application priority filing date for all freshman students applying for summer and fall terms. This is the priority postmark date for completed freshman admission application, application fee, and required documents. All students who meet the February 1 admissions date will be considered for the following academic scholarships provided they also submit the Entering Freshman Academic Scholarship Application:
  - Guaranteed Scholarships (Bicentennial, African American Achievers, Trustees, Presidential). Students who meet the criteria for guaranteed scholarships do not need to submit the scholarship application. Students who meet the criteria will be automatically awarded the guaranteed scholarships. Students may submit additional grades and ACT and/or SAT scores until August 1 to improve their academic standing for guaranteed scholarship consideration.
  - General and Alumni Scholarships except the Holt.
  - College and Departmental Scholarships except McClanahan Scholars.

No later than April 1, students in this pool will receive notification of their admission status—either admitted, denied, or placed on a wait list.
- Spring Semester/Summer Semester: Completed application materials and supporting documents for first-time freshman, transfer, and readmission students must be received in the Office of Admissions by the following dates:
  - November 1 for Spring semester freshman transfers; February 1 for Summer semester freshman; and April 1 for Summer semester transfers.

FRESHMAN ADMISSION

The University of Tennessee seeks to admit a freshman class that reflects its mission as the state’s leading public teaching and research university; represents the diversity of the state of Tennessee; and incorporates enrollment guidelines established by the Board of Trustees.

Each fall, UT enrolls a freshman class of approximately 3,800. The Fall 2000 entering class had a middle 50th percentile of an ACT range of 21 to 26 and a high school GPA range of 3.0 to 3.8.

Freshman decisions are based on the following elements:

1. Completion of core academic subjects comprising the 14 units required or admission:
   - 4 units of English;
   - 2 units of algebra;
   - 1 unit of geometry, trigonometry, advanced math, or calculus;
   - 2 units natural science, including at least 1 unit of biology, chemistry, or physics;
Items Necessary for an Admission Decision
1. Completed application;
2. Official high school transcript on file in the Undergraduate Admissions Office;
3. Official ACT or SAT score (UT's ACT code = 4026; UT’s SAT code = 1843);
4. Payment of a $25.00 nonrefundable application fee.
5. Failure to respond to the question "Have you ever been arrested or convicted of a crime other than a minor traffic violation?" or providing false information may result in denial of admission or readmission or the reversion of admission or readmission.

FRESHMAN APPLICATION PRIORITY FILING DATES
Completed application and necessary documents should be postmarked by the following dates:

FALL SEMESTER
Early Action Priority Filing Date is November 1, 2002. This date is intended for freshmen who desire early notification of their admissions; and wish to be considered for our most competitive scholarships which include McClanahan Scholars, Oldham Scholars, Whittle Scholars, Manning Scholars, Bonham Scholars, Holt Scholars, Neyland Scholars, Roddy Scholars, and Techne Scholars.

Students who apply by the Early Action priority filing date will be notified by mid-January of an admission decision. Students not offered admission in the Early Action pool will be automatically considered for admission in the February 1 applicant pool.

October ACT/SAT scores will be considered for admission and scholarships if received by December 1, 2002, provided application and necessary documents postmarked by November 1 are on file. To ensure receipt, students should request at the time of testing that official scores be sent to the University of Tennessee. UT’s ACT code number is 4026; UT’s SAT code number is 1843.

Early Action does not require an early commitment from the applicant; however, competitive scholarship recipients must respond to offers of scholarships by April 1. An extension may be granted upon written request and such requests will not jeopardize a student's status for admission or financial aid.

Regular Admissions Application Priority Filing Date is February 1, 2003. Many students will be offered admission by February 15; all students will receive either an offer or a notification that their applications continue to be considered by the Admission Committee. By April 1, decisions (offer, wait list, deny) will be mailed to all applicants who have not already been offered admission. If offered admission, the student will receive an official offer letter.

All students who meet the February 1 admissions date will be considered for the following academic scholarships provided they also submit the Entering Freshman Academic Scholarship Application:
• Guaranteed Scholarships (Bicentennial, African-American Achievers, African American Incentive Grant, Trustees, Presidential).
• Students who meet the criteria for guaranteed scholarships do not need to submit the scholarship application. Students who meet the criteria will be automatically awarded the guaranteed scholarships. Students may submit additional grades, ACT and/or SAT scores until August 1 to improve their academic standing for guaranteed scholarship consideration.
• General and Alumni Scholarships except the Holt.
• College and Departmental Scholarships except McClanahan Scholars.

In addition to the application form, a freshman applicant must:
1. Submit an initial transcript of credits earned through the junior year. Transcripts carried or mailed by the student are acceptable only if contained in a sealed envelope with an official school signature. Once accepted, a student must have an official final transcript with documentation of graduation mailed to the Office of Undergraduate Admissions.
2. Have the score report of the American College Testing program (ACT) or the Scholastic Aptitude Test (SAT) sent to the Admissions Office directly from the high school or testing agency.
3. Pay a nonrefundable application fee of $25.00.
4. Submit any additional items and information requested in the application materials or by the Office of Admissions.

Graduates of Non-Approved High Schools and Home-Schooled Students
Graduates of non-approved high schools or home schools who apply for admission as first-time freshmen at UT must provide an official high school transcript and, if requested, course syllabi; and submit items mentioned in points 2-4 above.

General Education Development (GED)
Students who have achieved a high school diploma through the General Education Development (GED) Test also must have the GED scores sent directly to the Undergraduate Admissions Office. The GED score is evaluated with other factors, but applicants must have a minimum score of at least 50 to be considered for admission. Applicants with GED scores are expected to meet high school unit requirements unless they graduated from high school prior to 1983 or unless they qualify as re-entry student applicants who are otherwise academically well-prepared.

Advanced Placement Examinations
Freshmen admitted to UT may receive credit on the basis of performance on one or more of the Advanced Placement Examinations offered each May by the College Entrance Examination Board in 16 subject areas. The tests are usually taken by high school students during their junior or senior year.

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

ADMISSION TO THE COLLEGE OF ARCHITECTURE AND DESIGN
The School of Architecture grants and encourages provisional admission at the time of admission to the University. The program of the School is carefully designed by stages, and students who are not ready for admission at the time of university admission should consult with an Architecture advisor to plan a program that will include early required courses. Specific requirements for admission and progression are listed under the School of Architecture; however, all applicants will be required to submit a portfolio for review.

TRANSFER ADMISSION REQUIREMENTS
Transfer students with fewer than 30 earned transferable college-level hours will be considered on the same basis as new freshmen applicants. Transfer applicants who have completed all required high school units and 30 or more hours of earned transferable college-level work with a minimum 2.0 GPA, will be admitted.

Anyone interested in attending UT as a transfer student should contact the Office of Undergraduate Admissions to receive an official application or go to the web, www.utk.edu, and click on admissions.

Items Necessary for an Admission Decision
1. Completed application;
2. An official transcript of all work from each college or university attended;
3. Official high school transcript or GED if applicable;
4. Official ACT or SAT score (required only for students with less than 30 hours of transferable work completed);
5. Payment of a $25.00 nonrefundable application fee.
6. Failure to respond to the question "Have you ever been arrested or convicted of a crime other than a minor traffic violation?" or providing false information may result in denial of admission or readmission or the reversion of admission or readmission.

GRADUATES
Only those courses in which at least a C was earned shall be eligible for transfer credit. Grades earned at other institutions are used only for admission, course placement, and other academic decisions. In order to be considered for admission to UT, a transfer applicant must have a minimum of a 2.0 grade point average (on a 4-point scale) overall in
college credit courses considered for transfer credit. For courses repeated, the last attempt is calculated only if repeated at the same institution. Courses not repeated at the same institution will be calculated in the overall GPA for admission. Transfer grade averages are calculated by UT and may differ from averages calculated by other institutions. Following enrollment at the university, only grades earned in coursework at UT will be used in determining continuation standards, graduation requirements, and grade point average.

**COURSE EVALUATION**

Following the applicant’s admission to the University, a transcript evaluation will be initiated by the Office of Admissions to determine (1) which courses from other institutions are equivalent to courses at UT, (2) which will transfer as general elective credit, and (3) which courses, if any, will not transfer. Upon admission, a student may be classified as a freshman, sophomore, junior, or senior, according to the number of hours approved for transfer credit.

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

Prospective transfers to UT are encouraged to complete a sequence of related courses rather than transferring a single course from a series. Students at community or junior colleges, particularly within the State of Tennessee, are encouraged to complete the associate degree requirements prior to transferring to UT.

**HIGH SCHOOL UNITS**

Transfer students who graduated from high school prior to 1989 or with 60 or more semester hours of transferable credit are exempt from high school course unit requirements. Transfer students who graduated from high school prior to 1989 or with 60 or more semester hours of transferable credit are exempt from high school course requirement units with the exception of American History, a graduation requirement. Other transfer applicants with more than one deficiency (outside of Art unit) require more than one deficiency (outside of Art unit) to complete a sequence of related courses to meet specific UT course requirements. Students at community or junior colleges, particularly within the State of Tennessee, are encouraged to complete the associate degree requirements prior to transferring to UT.

**ARTICULATION AGREEMENTS**

In addition, the University has special transfer articulation agreements with some Tennessee community colleges, leading to admission with junior standing in particular majors at UT. These transfer programs lead to the awarding of the associate degree by the specified community college and the baccalaureate degree by UT, provided the student successfully completes all the courses required in a particular program and meets the grade point average requirements for that agreement. All other academic regulations of the degree-granting institutions must also be satisfied. Some of the specific programs and requirements are available from the Office of Undergraduate Admissions at UT, or from the specified community college.

**INTERNATIONAL STUDENT APPLICANTS**

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

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

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

   a. Any applicant to the undergraduate program whose first language is not English—With the exception of some transfers from regionally accredited colleges or universities in the United States (see c below)—must present a “Test of English as a Foreign Language (TOEFL)” score of at least 193 (computer based) or 523 (paper based), earned within two years prior to application, before being admitted; final consideration cannot be granted until test results are received by the Director of Admissions from the TOEFL test agency.

   b. The University of Tennessee English Placement Test must be taken prior to registration; this test will determine whether the student needs to take more English and, if so, at what level. The English Placement Test grants no credit. Students assigned to special English courses must enroll in the first semester of attendance, stay continuously enrolled in the assigned courses until completion of all requirements, and should complete the requirements within the first year of continued enrollment at the University of Tennessee.

   c. An undergraduate student whose first language is not English is exempted from taking the UT English Placement Test and from presenting a TOEFL score of 523 (or 193 on the computer-based TOEFL) provided that the student has satisfied all requirements for freshman composition with a grade of C or better at an accredited college or university in the United States. Freshmen English for Foreign Students does not exempt a student from presenting a TOEFL score of at least 523.

   d. A United States citizen or permanent resident student whose first language is not English may demonstrate English proficiency by submitting a minimum minimum ACT English score of 21 (SAT verbal 510; 430 if taken prior to April, 1995) or TOEFL 193 (computer based) or 523 (paper based).

**FEES FOR SPONSORED INTERNATIONAL STUDENTS**

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

**VISITING STUDENT APPLICANTS**

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

Visiting students are admitted for one semester only. Students desiring to transfer to UT must file an application for admission as a transfer student. Students desiring to attend UT on an interim basis for one semester only must submit a completed application and $25.00 non-refundable application fee and have an official letter of good standing sent directly to UT Admissions. Applications are subject to review and admission is not guaranteed.

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

**RE-ENTRY STUDENT APPLICANTS**

A re-entry student is one who has not been enrolled in school for three years or more prior to making application for admission to UT. Freshman re-entry students should have official high school transcript(s) submitted to the Admissions Office from high school. Transfer re-entry students should have high school transcript(s) and transcripts of all previous college work submitted directly from each institution to UT Admissions. ACT/SAT scores are not required for either freshman or transfer re-entry students. (Re-entry applicants with GED scores should refer to the GED section under Freshman Admission.)
Admissions decisions will be made on an individual basis. Exceptions to the admissions criteria may be made for those applicants who demonstrate sufficient preparation.

No applicant who has attended UT will be considered a returning student. Former UT students should follow readmission procedures as described elsewhere in this catalog.

NON-DEGREE STUDENT APPLICANTS

Persons desiring to take courses for credit, but who do not intend to pursue a degree, should apply for non-degree status. The Admissions Office processes all applications, regardless of intended registration location. Non-degree students must show evidence of satisfactory preparation for the courses they wish to take, generally through prior completion of a Bachelor's degree. Ordinarily the high school class of a non-degree student must have graduated. Former University of Tennessee students and most other students may not be admitted in this category prior to the receipt of a bachelor's degree. Non-degree students whose native language is not English may be required to submit proof of English language competency as outlined in 3 under International Student Applicants.

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

SENIOR AND DISABLED APPLICANTS

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

ACADEMICALLY TALENTED HIGH SCHOOL STUDENTS

Academically talented high school students enrolled in grades 9, 10, 11, and 12 in public or private school in Tennessee may apply to enroll and receive regular college credit from a Tennessee postsecondary institution if: (1) they receive the recommendation and approval of the high school principal and appropriate higher education institution personnel; (2) they have a grade point average equivalent to 3.2 or higher on a 4.00 scale; and (3) such placement is a part of the student’s planned Individual Educational Placement (IEP) as established by the multidisciplinary team process.

Students are encouraged to submit standardized test scores (ACT or SAT). Applications are subject to review and admission is not guaranteed.

FRESHMAN EARLY-ADMISSION STUDENTS

Freshman early-admission students are those who have completed the junior year of high school, have a grade point average of at least 3.50 and have an ACT composite of 29 or above or SAT I of 1280 or above (1180 if taken prior to April, 1995). Application is subject to review and approval by the Director of Admissions following an interview. For additional information and scheduling of an interview, interested students should contact the Office of Admissions, 320 Student Services Building.

OTHER CONDITIONS

The following question appears on the University of Tennessee application for undergraduate admission and readmission: "Have you ever been arrested or convicted for a crime other than a minor traffic violation? If yes, explain briefly." Every candidate for admission or readmission is required to respond accurately and thoroughly to this question. The University reserves the right to deny admission or readmission to candidates who, in its sole discretion, pose an unreasonable risk to the University community. The University also reserves the right to deny admission or readmission to any candidate refusing to provide a thorough and accurate response to this question and all other questions on the Admissions application. Subsequent discovery of false information may result in rescission of admission or readmission.

EXCEPTIONS TO ADMISSIONS REQUIREMENTS

The University requirements for the various categories of admission are thought to be reasonable and consistent with good educational practice. Thus, these requirements are not normally waived or modified for any applicant, except as specifically noted. However, unusual circumstances sometimes exist. If a potential student thinks that some part of the requirements for the category sought should not apply as stated, he/she should write to the Director of Admissions, stating clearly the specific circumstances prompting the appeal and what changes in the stated requirements are sought. The reply to this letter will indicate whether any exception to the requirements will be made, the reasons for the decision, and will describe any further action which the applicant might take. The Dean of Admissions and Records has the prerogative of making exceptions on the minimum criteria for applicants who do not show high aptitude in certain scholastic skills but show other indications of ability to progress through UT and earn a degree.

READMISSION

Submission of an application for readmission is required for a student previously seeking a degree who has withdrawn from UT, who has been absent from a term other than the summer term, or who has been academically dismissed. A readmission applicant may be asked to appear before the Committee on Readmission. A student who previously attended as a non-degree student and wants to reenter as a degree seeking student must complete an application for undergraduate admission unless they have obtained a degree from the University of Tennessee (main campus).

A student who has attended another college or university since attending UT must have an official transcript sent to the University.

Students dismissed when they last attended the University, left after Academic Review, and those who have registered at another institution of higher education since their last UT enrollment must apply well in advance, generally three to four months prior to the beginning of the term. Submitting an application for readmission does not guarantee admission.

Official transcripts of any transfer work attempted after a student’s enrollment at UT must be submitted before a decision on readmission can be made. For specific deadline dates, students should consult the Office of Admissions, 320 Student Services Building.

To register for courses in any other branch, center, or division of the University controlled by the Knoxville campus, a student must meet the readmission regulations that govern courses for credit at the Knoxville campus. However, students may register for correspondence courses (with prior permission of their college dean) without being readmitted.

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

Students are classified as in-state or out-of-state for the purpose of paying University fees. The classification is determined by the information recorded on the application for admission and may be reviewed as the result of submission of an application for classification as an "In-State" student for fee and admission purposes. The deadline for submission of the completed classification application and supporting documentation is on or before the last day of regular registration of that semester. Notice of classification is sent back shortly after the student applies to the University.

The determination is made on the basis of the regulations established by the Board of Trustees, with the intent that all public institutions of higher education in Tennessee apply uniform classification rules. Basically, these regulations state that a student receiving parental support are classified according to parental domicile, and (2) an emancipated student independent of parents may establish in-state classification by producing clear and convincing evidence of Tennessee domicile with proof that the move to Tennessee was not primarily for obtaining educational opportunities for themselves, dependents, or spouse.

Domicile residents are those persons who moved to Tennessee to establish a home and have a means of supporting themselves, their families, and their residence. Forms and copies of the regulations for undergraduates may be obtained from the Residency Clerk, 320 Student Services Building. Additional appeals may be directed to the Coordinator of Residency Classification, Room 320 Student Services Building.

Scholarship recipients and children of alumni are treated as in-state residents for the purpose of applying admissions criteria. However, such students will be required to pay out-of-state fees and tuition unless they can meet the in-state residency requirements stated above.
Paragraph 3. RULES FOR DETERMINATION OF STATUS.

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

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

3. The domicile of an unemancipated person is that of his or her parent. Unemancipated students of divorced parents shall be classified “in-state” when one parent, regardless of custodial status, is domiciled in Tennessee.

Paragraph 4. OUT-OF-STATE STUDENTS WHO ARE NOT REQUIRED TO PAY OUT-OF-STATE TUTION.

1. An unemancipated, currently enrolled student shall be reclassified out-of-state should his or her parent, having theretofore been domiciled in the State, remove from the State. However, such student shall not be required to pay out-of-state tuition nor be treated as an out-of-state student for admission purposes so long as he or she is in attendance at an educational institution or institutions in the State, as such term is defined by the governing body of said public higher educational institution or institutions of this State as a full-time student.

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

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

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

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

6. A person who is domiciled in the Kentucky counties of Fulton, Hickman, or Graves shall be classified out-of-state and shall not be required to pay out-of-state tuition at the University of Kentucky. Any and all evidence which he or she believes will sustain his or her burden of proof. Said institution will consider any and all evidence provided to it concerning such claim of domicile but will not treat any particular type or item of such evidence as conclusive evidence that domicile has or has not been established.

Paragraph 7. APPEAL.

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

Paragraph 8. EFFECTIVE DATE FOR RECLASSIFICATION.

If a student classified out-of-state applies for in-state classification and is subsequently so classified his or her in-state classification shall be effective as of the date on which reclassification was approved. However, out-of-state tuition will be charged for any quarter or semester during which reclassification is sought and obtained unless application for reclassification is made to the classification officer on or before the last day of regular registration of that quarter or semester.
STATE BOARD OF EDUCATION
Effective November 1978, the Tennessee State Board of Education requires all students preparing for a teaching career in Tennessee to pass a standardized test of basic skills (Pre-Professional Skills Test) prior to admission to teacher education programs.

POLICY ON A DRUG-FREE CAMPUS AND WORKPLACE
In support of the Drug-Free Workplace Act of 1988 (Public Law 100-680) 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 abuse/abuse are listed: 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 alcoholic.

DRUG USE HEALTH RISKS: 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.

Individuals who are paid by The University of Tennessee from federal grants or contracts who cannot complete the course for reasons beyond their control. In addition, a grade of “HIW” may be assigned if a student cannot fulfill the requirements for a course because of an inability to communicate in writing. (See Writing Deficiency for more information about the “HIW” grade.) The “I” grade is awarded only when there is reasonable expectation that upon completion of the course work, a grade of “D” or better would be earned. The “I” grade is not issued in lieu of the grade “F” or “FX.” The terms for the removal of the “I,” including the time limit for removal of the “I,” is decided by the instructor. It is the responsibility of the student receiving an “I” to arrange with the instructor whatever action is needed to remove the grade at the earliest possible date, and in any event, within one year of the assignment of incomplete. Students may not remove an “I” grade by re-enrolling in the course. The “I” grade does not carry quality points and is not computed in the grade point average. If the “I” grade is not removed within one calendar year or upon graduation, it shall be changed to an “F” and count as a failure in the computation of the grade point average. A student need not be enrolled at the University to remove a grade of incomplete.
GRADES THAT DO NOT INFLUENCE GRADE POINT AVERAGE

The following grades carry no quality points, and hours for which these grades are earned are not counted in computing a student’s grade point average.

NC (no credit) indicates failure to complete a course satisfactorily when taken on an S/NC basis.

S (satisfactory) is assigned for C or better work when a course is taken on an S/NC grading basis.

W (withdrawal) is assigned in courses when a student has officially withdrawn from the University. W is also assigned in courses when a student withdraws from a course between the eleventh and forty first calendar day of classes. Regulations concerning withdrawal from courses or from the University appear in a following section of this catalog, entitled “Changes in Registration.”

WP (withdrawal passing) is assigned in courses when a student withdraws from a course after the forty second calendar day of classes and is passing the course at the time of withdrawal.

SATISFACTORY/NO CREDIT GRADING SYSTEM

The purpose of this system is to encourage the student to venture beyond the limits of those courses in which the student usually does well and, motivated by intellectual curiosity, explore subject matter in which performance may be somewhat less outstanding than work in other subjects. To this end Satisfactory/No Credit (S/NC) grading has been developed for undergraduate courses (100-, 200-, 300-, and 400-level courses). Neither grade is counted in a student’s grade point average, but, like all other grades, is entered on the permanent record. S is given for C or better work on the traditional grading scale and NC is given for less than C work. The student only receives credit in the course if an S is received.

A student may not repeat a course for S/NC if the student received a conventional grade (A, B+, B, C+, C, D, F). The instructor of a conventionally graded course will not be informed which student, if any, has elected S/NC grading. If the student elects non-conventional grading, grades of A, B+ B, C+, C, D or F as NC. The grade of I for incomplete work will be recorded as a SI, which will not be computed in the average. A student is permitted to change the system of grading in a course through the add deadline. The changing of an S/NC grade to a conventional letter grade or vice versa is not permitted unless an error is determined by the Registrar.

FRESHMAN ENGLISH

English 101, 102, 118, 121, 131, and 132 are offered on a system of A, B+, B, C+, C, I, NC, W grading.

All entering freshman, except international students, must enroll in English 101, 102 or 118.

REPEATING COURSES

For the first three repeated lower-division courses (100-200 level), only the last grade earned in the repeated courses will be counted in computing the grade point average. If the same course is repeated more than once, the additional repeats count as part of the three total. For all courses repeated after the first three, all grades will be included when computing the grade point average. All grades for all courses remain on the transcript.

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

GENERAL REGULATIONS

ACADEMIC ADVISING AT UT

Faculty, administrators, and professional staff on this campus consider advising both a responsibility and an opportunity for improving each student’s pattern of undergraduate education. There are many situations during an academic program when a student will find informed academic and career advice helpful. The objective of the academic advising system at UT is to help a student at each stage to define the choices that must be made and to give any needed guidance.

At the time of application for admission to UT, each student is asked to indicate whether he/she has already identified a preferred college or school. Advising centers in each college handle all freshmen and a substantial amount of sophomore advising; major advisors within the college, working closely with the advising center, guide advanced students. At all levels, campus-wide guidelines for good teaching are supplemented by specific college standards, guidelines, and evaluations. Prior to advanced registration, during each main term of the academic year (i.e., during Spring and Fall), each student has the obligation to consult an advisor for a substantial conference.

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

New students at UT should review carefully the prescribed curricula of the respective degree-granting units and should choose courses in accordance with their college preference. An advisor assists a student in selecting subjects to ensure a well-balanced education and interprets university and college policies and requirements. However, the student, not the advisor, bears the ultimate responsibility for selecting courses, meeting course prerequisites, and adhering to policies and procedures. Part-time students, particularly those registering through Evening School, should establish contact with a university advisor with whom they are associated or in which they have expressed an interest.

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

ACCELERATED PROGRAM

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

ADVANCED MILITARY SERVICE AND AIR FORCE AEROSPACE STUDIES

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

CLASS ATTENDANCE AND ELIGIBILITY

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

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

CLASSIFICATION

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

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

CLASSIFICATION OF STUDENTS BY SEMESTER HOURS PASSED

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

CLEP CREDIT

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

The CLEP examinations may be taken at the State Testing and Evaluation Center. The Center supplies information on test dates and procedures and current departmental policies concerning the acceptance of CLEP credit.
CORRESPONDENCE WORK
A student may offer by correspondence as much as one-fourth of the total hours required for the degree sought and have this work count toward the degree. Credit for undergraduate courses in correspondence in the major subjects shall be limited to one-fourth of the total credit hours required. Correspondence credits are not accepted for students enrolled in the College of Law or, except by prior permission, for students in the Center for Health Sciences.

All courses taken by correspondence for which degree credit is given must meet degree program requirements of the Knoxville campus. In addition, all currently enrolled UT students who intend to take correspondence courses must have the approval of the dean of the college or school in which they are enrolled prior to registering for any college-credit correspondence course. Degree credit will not be granted for correspondence courses taken at an institution other than the University of Tennessee by a UT student if an equivalent correspondence course is available from the University of Tennessee Department of Independent Study (DIS).

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

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

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

COURSE NUMBERS AND LEVELS
Each course offered by the University is identified by the name of the department offering the course and a three-digit course number. These numbers indicate course level, offering the course and a three-digit course number. These numbers indicate course level.

COURSE NUMBERS AND LEVELS
Each course offered by the University is identified by the name of the department offering the course and a three-digit course number. These numbers indicate course level, offering the course and a three-digit course number. These numbers indicate course level.

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

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

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

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

No in-class, written quizzes or tests counting more than 10% of the semester grade may be given the last five calendar days prior to the study period. Courses that are exempt from this policy are so indicated in the catalog course description.

GRADE APPEAL PROCEDURE
APPEALS TO THE UNDERGRADUATE COUNCIL
The Undergraduate Council hears appeals concerning grades only after grievances have been duly processed, without resolution, through appropriate procedures at the department and college levels. The Council does not review grievances concerning allegations of misconduct or academic dishonesty. Procedures for consideration of such matters are published in Hilltopics under “Student Rights and Responsibilities.”

In the appeals process, the Undergraduate Council has authority to deny the appeal, grant the appeal and request the instructor change the grade, or assign a grade of “pass” for the course.

Students should begin the appeal process as soon as possible. No appeal may be filed later than 90 days after the final grade has been issued.

COMPOSITION OF THE APPEALS COMMITTEE
Members of the Appeals Committee are appointed by the chairperson of the Undergraduate Council. The committee consists of at least five members, one of whom is named chairperson.

GROUNDS FOR APPEAL
Students may appeal grades on the basis of one or more of four allowable grounds:

1. A clearly unfair decision (such as lack of consideration of circumstances clearly beyond the control of the student, e.g., a death in the family, illness or accident).

2. Unacceptable instruction/evaluation procedures (such as deviation from stated policies on grading criteria, incompletes, late paper, examinations, or class attendance).

3. Inability of instructor to deal with course responsibilities; or

4. An exam setting which makes concentration extremely difficult.

THE APPEALS PROCEDURE
1. The student should first consult with the instructor and if agreement cannot be reached, the student may appeal to the department head. If the student believes the grade assignment was based on criteria other than academic, such as race, gender, religious beliefs, national origin, age or handicap, then the student should make an appeal in writing to the Office of Affirmative Action with a copy to the department head.

2. If the student appeals to the department head after attempts to resolve the matter with the instructor have failed, it is the responsibility of the department head to determine the circumstances surrounding the assignment of the grade. If the department head has reason to believe that none of the four (4) academic conditions specified above apply, then the department head should encourage the student to accept the assigned grade. If the department head has reason to believe that none of the conditions do apply, then instructor should be encouraged by the department head to reconsider the grade. If the instructor elects not to change the grade, then the department head will appoint a committee of at least three faculty members to review the matter. Such committee will be charged with making a timely recommendation to the department head concerning the student’s grade. The student must submit a written appeal for the committee’s consideration or for any appeal made beyond the departmental level. When the departmental committee procedure is used, if the committee’s recommendation is that the student’s grade should be higher than the one assigned and the instructor still elects not to assign the recommended higher grade, the department head will assign the grade of “pass,” or, at the student’s option, he/she may accept the existing grade. In such a case, all other restrictions to use of the grade to satisfy graduation requirements are waived.

3. If the student wishes to pursue appeal further, he or she may appeal in writing to the Dean of the college in which the department is located.

If the issue is still unresolved, the student may initiate the formal Undergraduate Council appeals procedure:

1. The student may forward to the Dean of Undergraduate Affairs and Chair of the Undergraduate Council a statement requesting a review of the student’s complaint concerning his or her grade. The appeal must be written and must be based upon one or more of the four allowable grounds. The student must explain in detail why the appeal is based upon these grounds.

2. The Dean of Undergraduate Academic
HONOR STATEMENT

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

Each student is responsible for his/her own personal integrity in academic life. While there is no affirmative duty to report the academic dishonesty of another, each student, given the dictates of his/her own conscience, may choose to act on any violation of the Honor Statement. Each student is responsible for knowing the terms and conditions of the Honor Statement and may acknowledge his/her adherence to the Honor Statement by writing “Pledged” and signing each graded class assignment and examination.

Students are also responsible for any acts of plagiarism. Plagiarism is using the intellectual property 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.

Specific examples of plagiarism are:
- copying without proper documentation (quotation marks and a citation) written or spoken words, phrases, or sentences from another 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 expressing ideas without acknowledging the source (unless such information is recognized as common knowledge);
- collaborating on a graded assignment without instructor’s approval;
- submitting work, either in whole or part, created by a professional service and used without attribution (e.g., paper, speech, bibliography, or photograph).

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

THE STATEMENT

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

HONORS COURSES

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

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

INCLEMENT WEATHER

The University of Tennessee will remain open except in the most severe weather conditions.

The Provost may officially close or suspend selected activities of the University because of extreme weather conditions. When a decision to close is reached, campus and local radio and TV stations will be notified so that appropriate announcements may be made.

If the University is officially closed, certain essential activities such as food services, physical plant, police, steam plant, and telephone services will continue to operate. Some facilities such as the library and University Center will, if possible, continue to function as a service to students and faculty. When the University is officially closed, its policy of Days of Administrative Closing will apply for staff exempt and staff non-exempt employees.

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

Students will be responsible for any academic work which they miss due to severe weather conditions. It is the individual student’s responsibility to take the initiative to make up any missed class work, and it is the instructor’s responsibility to provide a reasonable opportunity for students to complete assignments or examinations missed due to such absences.

MINIMUM CLASS SIZE

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

PROFICIENCY EXAMINATION

A proficiency examination may be given in any academic course offered for undergraduate credit. The University policy is to reserve to departments the decisions as to which

Affairs, after consulting with the student and the college office to determine that the appeal does in fact fall under the jurisdiction of the Undergraduate Council and has been brought forward in the proper form, will, first, forward the appeal to the Appeals Committee of the Undergraduate Council for review and, second, notify the Dean, the Department Head, the course instructor, and the student that the Appeals Committee has the case under review.

3. Upon receipt of the appeal, the chairperson of the Appeals Committee will call a special meeting of the committee for purposes of hearing the appeal. The chair will invite the student, the instructor, and the department head to appear in person if they choose or to supply a written statement (in the student’s case this statement will already have been provided). The committee will maintain a recording of the hearing.

4. After hearing the appeal, the Appeals Committee will vote as to whether the grade should be overturned. A majority vote will constitute the decision of the committee. A tie vote will be decided by the chair.

5. The decision of the Appeals Committee will be relayed by the chair of the Committee in writing to the principals.

6. If the appeal has been denied by the Appeals Committee, the student may appeal to the full Undergraduate Council. If the Council denies the appeal, the grade stands.

7. If the student’s appeal is upheld by the Appeals Committee, the instructor may appeal to the full Undergraduate Council. If the Council holds for the instructor, the grade stands.

8. If the student’s appeal is upheld by the Appeals Committee and there is no appeal by the instructor to the full Undergraduate Council, or if the instructor does appeal to the full Undergraduate Council and the Council holds for the student, the instructor may either elect to change the grade to a higher grade or refuse to do so.

9. If the instructor refuses to change the grade, the Provost will instruct the Registrar to change the course grade to “Pass.” In all cases of appeal to the full Undergraduate Council, the chairperson of the Undergraduate Council will notify the student or instructor, in writing of the Council’s decision and if applicable, of the right to further appeal in accordance with Article 5, Section 7, of the University by-laws: Officers, faculty and staff members, students, and employees, alumni, and all other officers who feel that they may have a grievance against the University shall have the right of appeal through the Provost or Vice President to the President of the University.

An appeal to the Provost must be filed within 60 days of the Undergraduate Council decision.

GRADUATING SENIOR PRIVILEGES

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

PROFICIENCY EXAMINATION

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

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

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

Entering international students whose native language is not English are required to take the UT English Proficiency Examination to demonstrate English proficiency. No credit for any English course is awarded through this special examination.

PROGRAM ASSESSMENT AND IMPROVEMENT THROUGH STUDENT EVALUATION

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

SENIOR GENERAL EDUCATION TEST

The Tennessee Higher Education Commission requires that each public institution for higher learning evaluate the general education skills of its students. Each year a percentage of the seniors are selected to take the test. The test results enable the University of Tennessee to evaluate the University’s general education program and to qualify for needed funding from the state. Students are informed in their senior year if they have been selected to take the test.

SECOND MAJORS AND MINORS

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

SENIORS ELIGIBLE FOR GRADUATE CREDIT

A senior at The University of Tennessee who needs 30 semester hours or less to complete the requirements for a bachelor’s degree and has at least a 3.00 grade point average, may take sufficient work for graduate credit to fill out a schedule of 15 hours of combined undergraduate and graduate work per semester, subject to the approval of each term of the Dean of the Graduate School. A maximum of 9 hours of graduate credit 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.

SPECIAL REQUIREMENTS FOR STUDENT-ATHLETES

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

TEACHER CERTIFICATION

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

UNIVERSITY STUDENTS

Many students are undecided about their major when they enter UT. All undecided students are designated University Students and are advised by Arts and Sciences Advising Services with the department concerned may be used toward both the baccalaureate and a graduate degree.

WRITING COMPETENCE

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

WRITING DEFICIENCY

If a student cannot fulfill the requirements for a course because of an inability to communicate in writing, the instructor will give the student an "IW" to designate "incomplete due to writing." Any student who receives an "IW" should contact the Writing Center Director. The instructor of the course determines the appropriate requirement for remediation and sends any student work requiring revision to the Writing Center director. The Writing Center director determines when the requirement has been fulfilled. Upon the Writing Center director’s recommendation, the student’s work is returned to the instructor, who will change the student's grade accordingly. As with other incompletes, the student will have one calendar year to make up the deficiency before the grade automatically changes to reflect failure for the course.

REGISTRATION

The Student Orientation Department sends admitted freshmen and transfer students information about orientation and registration and the dates. Graduate students are instructed when to register upon receipt of their Admission Status. Former students who have been absent from UT other than the summer term and students who have withdrawn from the previous semester will receive registration information with their letter of readmission. Evening School students should contact the University Evening School for registration times.

REQUIREMENTS FOR REGISTRATION OF ADMITTED STUDENTS

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

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

FIRST CLASS MEETING

Students who fail to attend the first class or (laboratory) meeting without prior arrangements with the department concerned may lose their space in class to other students. Students should not assume that they will be officially dropped from the class; it is always the responsibility of the student to drop courses not attended. Otherwise, the student is liable for a grade of "F" in the course and for payment of appropriate fees.
MAXIMUM HOURS PER TERM
Undergraduate students may enroll for a maximum of 19 credit hours each semester. Enrollment in more than 19 hours must be approved by the dean of the student’s college or school.

MAXIMUM HOURS PER TERM FOR SUMMER
Undergraduate students may enroll for a maximum of 6 credit hours for each of the first and second sessions. Students may enroll for a maximum of 12 credit hours for those courses that extend through the entire session. Students may enroll for a maximum of 12 credit hours in any combination of summer session courses. Enrollment that exceeds the maximum must be approved by the dean of the student’s college or school.

AUDITING COURSES
Students may enter classes as auditors with the consent of the instructor. The instructor will determine the appropriate requirements or restrictions. Auditors receive no credit and the audited course will not be recorded on the transcript. The student’s name will appear on the class roll to inform the instructor that the student is properly enrolled as auditor.

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

CHANGES IN REGISTRATION
Students may add courses through the tenth calendar day counted from the beginning of classes. Because of the nature of some courses, permission of the department head may be required to add a course after classes begin. Students may also, as departmental policies permit, change a section of a course through the add deadline. Students may drop courses until the 10th calendar day from the start of classes with no notation on the academic record. From the 11th calendar day until the 42nd calendar day, students may drop courses which will receive the notation of “W” (Withdrawn). The “W” grade is not computed in the grade point average. Courses may be dropped through the telephone or web (www.cpo.utk.edu) registration systems. After the 42nd calendar day and to the 84th day of classes, courses may be dropped and will be assigned a “WP” (Withdrawn Passing) or a “WF” (Withdrawn Failing). Instructor’s signature is required. The form, once signed, should be taken to the Office of the University Registrar for processing. The “WF” is calculated in the grade point average as an F. After the 84th day, no drops are permitted.

THE UNIVERSITY
The exceptions to the add and drop deadlines are summer and other special sessions. Students should consult the summer term timetable for the appropriate deadlines. Failure to properly withdraw is not an official withdrawal and will result in the assignment of an F grade.

Evening School students should consult the University Evening School timetable for procedures to drop courses. Graduate students should consult the Graduate Catalog for regulations concerning dropping courses.

WITHDRAWING FROM THE UNIVERSITY
Undergraduate day students who need to leave the University before a term is finished must apply for withdrawal in the Office of the University Registrar, 209 Student Services Building. Evening School students’ withdrawals are accomplished at that office. Information on dropping a single course is provided in the section entitled “Changes in Registration.” Requests for withdrawal are routinely approved when the student applies by the deadline listed in the Timetable of Classes or on the web. The word “withdraw” will be posted on the transcript.

It is the responsibility of a student who has registered for classes to attend them or, if that is impossible, to apply for withdrawal. A student will receive final grades unless the student follows procedures for withdrawal from the University.

A student who simply stops participating in classes, or fails to attend class, without officially withdrawing will be assigned the grade of “F” in each course. Students who do officially withdraw must apply for readmission in advance of their next term of anticipated enrollment, except for withdrawal from summer term. Enrolled students are liable for payment of fees. Any refunds that may be due upon a student’s withdrawal are issued by the Bursar’s Office.

UNDERGRADUATE RETENTION STANDARDS

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

ACADEMIC SECOND OPPORTUNITY
The Academic Second Opportunity is designed to assist the student who was not successful in attaining a degree during a previous attendance at UT but is now performing satisfactory work. Granting it is an acknowledgment by the University that the student’s earlier work is not consistent with his or her academic potential but that the work earned since return is. This policy is not intended to allow students to progress directly into a major; exceptions to progression standards must be made at the college level.

An undergraduate student may petition for Academic Second Opportunity upon meeting the following requirements:

1. the student has re-enrolled following an absence from UT of at least three full calendar years;
2. the student’s previous academic record at the University was unsatisfactory (normally, below a C average);
3. since readmission, the student has completed 15 or more graded hours (correspondence coursework may not be included in the 15 hours), earning a 2.5 GPA or above.

Decisions on granting Academic Second Opportunity are made by committee. If the student’s petition is approved, all previous academic work will remain on the permanent record, but the grades for such work will not be used in computing the grade point average or in determining academic standing. Previous credits earned with a grade of C or better will continue to meet major, distribution, and graduation requirements.

To graduate, a student granted Academic Second Opportunity must complete at least 30 hours at UT following readmission. To meet minimum qualifications for graduation with honors, the student must earn at least 60 semester hours of letter grades (A-F) following readmission. Academic Second Opportunity may be granted only once. If hours earned during the previous attendance have already been applied toward the completion of an awarded degree from a four-year institution, Academic Second Opportunity will not be granted. Registration at another college or university since the previous UT enrollment will not prevent a student from qualifying.

Petition must be made no later than the academic term prior to the one when the degree will be granted. Students should see the University Registrar website (http://web.utk.edu/~registra) or contact their college for deadlines for specific terms. To initiate the petitioning process, students should meet with a designated advisor in their colleges.

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

Students will be placed in Academic Review when either their cumulative grade point average falls below the minimum acceptable level of 2.00 for one semester, or when their semester grade point average falls below the minimum acceptable level of 2.00 for two consecutive semesters regardless of their cumulative GPA. During that semester, and any other semesters in review, a student must participate in a special advising program in his or her college. If, while in review, a student does not maintain a 2.00 grade point average for hours attempted each term, the student may be released from his or her college or be released and dismissed from the University. A student released from his or her college with a cumulative grade point average of 2.00 or higher may seek admission to an alternate college and major. A student with a grade point average below 2.00 who is released from the college but not dismissed from the University is classified as a University student and is advised in the College of Arts and
Sciences. A student dismissed from the University may apply for readmission to the University after a minimum of one calendar year away from the University. Readmission is not automatic.

GENERAL REQUIREMENTS FOR A BACHELOR’S DEGREE

To receive a bachelor’s degree from the University of Tennessee, a student must complete all of the requirements listed below. Some of the colleges and schools within the University have special requirements above and beyond those stated here, and students are advised to consult the appropriate section of this catalog for any further degree requirements. Each program presented by the candidate for a bachelor’s degree is reviewed and approved for meeting the degree requirements by the Office of the University Registrar.

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

2. Achieve a grade point average of at least 2.00 on all work attempted at the University of Tennessee. (Students bringing transfer work to UT before Fall 1985 must also have a combined average of at least 2.0 on all UT work and the work transferred in and posted before Fall, 1985.)

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

4. Complete the last 30 hours of credit offered for the bachelor’s degree in residence at the University of Tennessee. Credit for correspondence courses taught by the faculty of the Knoxville campus may be counted as part of this requirement, with the exception of the limitation noted in the regulations concerning correspondence work. Special arrangements to allow work taken at other University of Tennessee campuses to be counted as part of this requirement must be approved by the dean of the student’s major college or school and the University Registrar.

5. Comply with the state law that one unit of American history at the high school level or six semester hours of collegiate work be satisfactorily completed. This requirement is effective for those graduating July 1, 1978 and thereafter. It may be satisfied by completing History 221-222 (or 227-228). History 449 may be used in lieu of three hours of American history. Students should consult the catalog of enrollment to determine how the six hour’s credit for fulfillment of this requirement is to be included in individual curricula.

6. Hours completed at the university to remove high school deficiencies may be used to meet specific curricular requirements. However hours earned in these courses will not count toward the total hours required for graduation, effectively adding to the total number required for graduation.

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

8. File an application for a degree with the Office of the University Registrar, Room 209 Student Services Building. Application deadlines are printed in the Timetable or web (www.cpo.utk.edu) for each term. This deadline is imperative in order that all necessary processing can take place toward the degree.


10. Students who wish to participate in their graduating class Commencement Ceremony will need to place a Cap and Gown order with the University Center Book and Supply Store. Orders placed after the deadline date established by the Book and Supply Store will be subject to a late fee.

DEAN’S LIST

A public announcement is made of students passing a semester’s work Summa cum laude (3.80 through 4.00), Magna cum laude (3.65 through 3.79), and Cum laude (3.50 through 3.64). To be eligible, students must complete at least 12 hours, not counting work taken on a satisfactory/no credit basis.

HONORS CATEGORIES FOR GRADUATION

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

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

These honors categories are based on a student’s cumulative average at the end of the semester preceding the graduation semester. For all students entering Fall, 1985, and thereafter, honors categories are based only on the average earned at the University of Tennessee. Students must have earned at least 60 hours at UT in order to qualify for honors categories. For those students who entered prior to Fall, 1985, the honors category is based on the average earned at UT and the transfer work brought in prior to that date, or the average earned at UT, with the lower of the two averages determining the honors category. Work transferred after Fall, 1985 is not used in computation of the GPA.

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

In addition, University Honors are conferred upon graduating students who have completed the University Honors Program.
Academic Policies

THE UNIVERSITY REQUIREMENT

GENERAL EDUCATION

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

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

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

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

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

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

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

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

OR

Integrative Studies (2 courses)
Courses used to meet this requirement may be of three broad types:

a. Multicultural studies, which analyze international dimensions of critical issues or explore elements and values that shape a culture other than the student’s own;
b. Interdisciplinary studies, which incorporate the methods and approaches from two or more disciplines to explore major issues; or
c. Disciplinary perspective courses, which explore the potential and limits of a discipline in terms of its impact on individuals and society or examine a student’s major course of study from a value-oriented perspective.

All majors and college or school curricular requirements described in this catalog are in accordance with the University Requirement.
### MAJORS, MINORS AND CONCENTRATIONS

<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION WITHIN THE MAJOR</th>
<th>DEGREE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>College of Agricultural Sciences and Natural Resources</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture (Interdepartmental Unit)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agricultural Economics</td>
<td>Agricultural Economics and Business</td>
<td>Agricultural Equipment Systems Management</td>
<td>Bachelor of Science in Agriculture</td>
</tr>
<tr>
<td>Agricultural and Extension Education</td>
<td>Agricultural Education</td>
<td></td>
<td>Bachelor of Science in Agriculture</td>
</tr>
<tr>
<td>Animal Science</td>
<td>Animal Science¹</td>
<td>Production/Business Science/Technology Science/Technology—Pre-Veterinary Medicine Pre-Veterinary Medicine (3+1)</td>
<td>Bachelor of Science in Animal Science</td>
</tr>
<tr>
<td>Biosystems Engineering and Environmental Science</td>
<td>Biosystems Engineering</td>
<td>Food Engineering</td>
<td>Bachelor of Science in Biosystems Engineering</td>
</tr>
<tr>
<td>Entomology and Plant Pathology</td>
<td>Environmental and Soil Sciences</td>
<td>Soil Science Environmental Science</td>
<td>Bachelor of Science in Environmental and Soil Sciences</td>
</tr>
<tr>
<td>Food Science and Technology</td>
<td>Food Science and Technology¹</td>
<td>Science Business/Technology Pre-Professional</td>
<td>Bachelor of Science in Agriculture</td>
</tr>
<tr>
<td>Forestry, Wildlife, and Fisheries</td>
<td>Forestry¹</td>
<td>Forest Resources Management Wildland Recreation</td>
<td>Bachelor of Science in Forestry</td>
</tr>
<tr>
<td></td>
<td>Wildlife and Fisheries Science¹</td>
<td></td>
<td>Bachelor of Science in Wildlife and Fisheries Science</td>
</tr>
<tr>
<td>Plant Sciences and Landscape Systems</td>
<td>Plant Sciences and Landscape Systems</td>
<td>Business Management Horticulture and Agronomy Landscape Design Public Horticulture Turfgrass Management</td>
<td>Bachelor of Science in Plant Sciences and Landscape Systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Integrated Plant Systems (minor only)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ornamental Horticulture and Landscape Design (minor only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>College of Architecture and Design</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>School of Architecture</td>
<td>Architecture</td>
<td></td>
<td>Bachelor of Architecture</td>
</tr>
<tr>
<td>Interior Design</td>
<td>Interior Design</td>
<td></td>
<td>Bachelor Science in Interior Design</td>
</tr>
<tr>
<td><strong>College of Arts and Sciences</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>Anthropology¹</td>
<td>Honors</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Art</td>
<td>Art History¹</td>
<td></td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td></td>
<td>Graphic Design</td>
<td></td>
<td>Bachelor of Fine Arts</td>
</tr>
<tr>
<td>Studio Art</td>
<td>Studio Art¹</td>
<td>Art Education Ceramics Drawing Inter-Area Media Arts Painting Printmaking Sculpture Watercolor</td>
<td>Bachelor of Fine Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audiology and Speech Pathology</td>
<td>Audiology</td>
<td></td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td></td>
<td>Speech Pathology</td>
<td></td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Division of Biology</td>
<td>Biological Sciences¹</td>
<td>Biochemistry and Cellular and Molecular Biology Honors Biochemistry and Cellular and Molecular Biology Ecology and Evolutionary Biology Honors Ecology and Evolutionary Biology Microbiology Honors Microbiology Plant Biology Honors Plant Biology</td>
<td>Bachelor of Science</td>
</tr>
</tbody>
</table>

¹ Minor available.
<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION WITHIN THE MAJOR</th>
<th>DEGREE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>Chemistry¹</td>
<td>Honors</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td></td>
<td>Bachelor of Science in Chemistry</td>
</tr>
<tr>
<td>Classics</td>
<td>Classics</td>
<td>Classical Civilization</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td></td>
<td>Greek¹</td>
<td>Honors</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Computer Science¹</td>
<td></td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>Economics</td>
<td>Economics²</td>
<td>Honors</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>English</td>
<td>English¹</td>
<td>Creative Writing</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td></td>
<td>Individualized Program</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Literature</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rhetoric and Writing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Technical Communication¹</td>
<td>Honors</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>Geography¹</td>
<td>Honors</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Geological Sciences</td>
<td>Geology¹</td>
<td>Engineering Geology</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>History</td>
<td>History¹</td>
<td>Honors</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Interdisciplinary Programs</td>
<td>Interdisciplinary Programs</td>
<td>African and African-American Studies¹</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>American Studies¹</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asian Studies¹</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Minor available in Cinema Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comparative Literature¹</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Environmental Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Judaic Studies¹</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Latin American Studies¹</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Language and World Business—Chinese</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Language and World Business—Japanese</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Language and World Business—Portuguese</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Legal Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Linguistics²</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Medieval Studies¹</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Urban Studies¹</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Women’s Studies¹</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>Mathematics¹</td>
<td>Honors</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>Modern Foreign Languages² and Literatures</td>
<td>French¹</td>
<td>Literature</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Language</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Language and World Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Honors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>German¹</td>
<td>Language and World Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Honors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Italian²</td>
<td>Language and World Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Honors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Russian¹</td>
<td>Language and World Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Honors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spanish¹</td>
<td>Language and World Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Language and World Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Literature</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hispanic Studies</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Music²</td>
<td>Music Education—Wind/Percussion Emphasis (5-Year Option)</td>
<td>Bachelor of Music</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music Education—Wind/Percussion Emphasis (4-Year Alternative)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music Education—String Emphasis (5-Year Option)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music Education—String Emphasis (4-Year Alternative)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music Education—Vocal/General Concentration/Keyboard Emphasis (5-Year Option)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music Education—Vocal/General Concentration/Keyboard Emphasis (4-Year Alternative)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music Education—Vocal/General Concentration/Vocal Emphasis (5-Year Option)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music Education—Vocal/General Concentration/Vocal Emphasis (4-Year Alternative)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Organ</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Piano</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Piano Pedagogy and Literature</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sacred Music</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Strings</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Studio Music and Jazz</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Theory/Composition</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Voice</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Woodwind, Brass, and Percussion Instruments</td>
<td></td>
</tr>
</tbody>
</table>

¹ Minor available.
²Minor available in Applied Music or Music History and Literature.
<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION WITHIN THE MAJOR</th>
<th>DEGREE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy</td>
<td>Philosophy¹</td>
<td>Academic, Applied, General, Honors</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Physics and Astronomy</td>
<td>Physics¹</td>
<td>Pre-Dental, Pre-Medical, Pre-Nuclear Medicine Technology, Pre-Pharmacy, Pre-Physical Therapy, Pre-Veterinary</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>Pre-Professional Programs</td>
<td>Pre-Professional Programs</td>
<td>Pre-Teaching, Environmental Science, Mathematics, Science, and Science Medicine Technology</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>Science-Medical Technology</td>
<td></td>
<td></td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>Psychology</td>
<td>Psychology¹</td>
<td>Honors</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Religious Studies</td>
<td>Religious Studies¹</td>
<td>Student Initiated</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Sociology</td>
<td>Sociology²</td>
<td>Criminal Justice, Environment and Society¹</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Theatre</td>
<td>Theatre¹</td>
<td></td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Individualized Program</td>
<td>Individualized</td>
<td></td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>College Scholars Program</td>
<td>College Scholars</td>
<td></td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>Arts and Sciences (Intercollegiate with the College of Business Administration)</td>
<td>Statistics¹</td>
<td></td>
<td>Bachelor of Science</td>
</tr>
</tbody>
</table>

**College of Business Administration²**

<table>
<thead>
<tr>
<th>Accounting and Business Law</th>
<th>Accounting</th>
<th>Bachelor of Science in Business Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Administration (Interdepartmental Unit)</td>
<td>Business Studies, Public Administration</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Economics</td>
<td>Economics</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Finance</td>
<td>Finance</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Management</td>
<td>Management, General Management, Human Resources Management, International Management, Operations Management</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Marketing and Transportation</td>
<td>Logistics and Transportation, Marketing</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
<tr>
<td>Statistics</td>
<td>Statistics</td>
<td>Bachelor of Science in Business Administration</td>
</tr>
</tbody>
</table>

**College of Communications**

<table>
<thead>
<tr>
<th>Advertising</th>
<th>Advertising</th>
<th>Bachelor of Science in Communications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broadcasting</td>
<td>Broadcasting¹</td>
<td>Bachelor of Science in Communications</td>
</tr>
<tr>
<td>School of Journalism and Public Relations</td>
<td>Journalism, Public Relations</td>
<td>Bachelor of Science in Communications</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>Speech Communication¹</td>
<td>Honors, Bachelor of Arts in Communications</td>
</tr>
</tbody>
</table>

**College of Education**

<table>
<thead>
<tr>
<th>Counseling, Deafness, and Human Services</th>
<th>Special Education, Human Services, Educational Interpreting, Modified and Comprehensive</th>
<th>Bachelor of Science in Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Administration and Cultural Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educational Psychology</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹ Minor available.
² Minor available for students in other colleges.
³ Minor available in Engineering Communication and Performance.
<table>
<thead>
<tr>
<th>DEPARTMENT (UNIT)</th>
<th>MAJOR</th>
<th>CONCENTRATION WITHIN THE MAJOR</th>
<th>DEGREE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exercise Science and Sport Management</td>
<td>Exercise Science</td>
<td>Bachelor of Science in Education</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sport Management</td>
<td>Bachelor of Science in Education</td>
<td></td>
</tr>
<tr>
<td>Instructional Technology, Curriculum, and Evaluation</td>
<td>Theory and Practice in Teacher Education</td>
<td>Bachelor of Science in Education</td>
<td></td>
</tr>
<tr>
<td>College of Engineering</td>
<td>Chemical Engineering</td>
<td>Bachelor of Science in Chemical Engineering</td>
<td></td>
</tr>
<tr>
<td>Engineering Fundamentals</td>
<td>Civil and Environmental Engineering</td>
<td>Bachelor of Science in Civil Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electrical and Computer Engineering</td>
<td>Bachelor of Science in Electrical Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mechanical, Aerospace, and Biomedical Engineering</td>
<td>Bachelor of Science in Aerospace Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nuclear Engineering</td>
<td>Bachelor of Science in Nuclear Engineering</td>
<td></td>
</tr>
<tr>
<td>College of Human Ecology</td>
<td>Child and Family Studies</td>
<td>Bachelor of Science in Human Ecology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consumer and Industry Services Management</td>
<td>Bachelor of Science in Service Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Health and Safety Sciences</td>
<td>Bachelor of Science in Human Ecology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nutrition</td>
<td>Bachelor of Science in Human Ecology</td>
<td></td>
</tr>
<tr>
<td>College of Nursing</td>
<td>Nursing</td>
<td>Bachelor of Science in Nursing</td>
<td></td>
</tr>
<tr>
<td>College of Social Work</td>
<td>Social Work</td>
<td>Bachelor of Science in Social Work</td>
<td></td>
</tr>
<tr>
<td>School of Information Sciences</td>
<td>University Honors</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>University Studies</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Minor available.
2 Minor available in Adolescent Health.
3 Minor available in Elementary Teaching and Secondary Teaching.
4 Minor available in Dance.
5 Minor available in Elementary Teaching and Secondary Teaching.
6 Interdisciplinary Studies minor available in Gerontology.
Dr. C.A. Speer, Dean and Director, College of Agricultural Sciences and Natural Resources
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
http://web.utk.edu/~casnr/

The College of Agricultural Sciences and Natural Resources (CASNR) traces its history to 1869 when the University was designated as Tennessee’s Federal Land-Grant Institution. Under terms of the Federal Land-Grant Act, the University was enabled for the first time to offer instruction in agriculture. This later was expanded to include research for the development of new knowledge and extension for dissemination of such knowledge to the people of Tennessee. Over time the College expanded its curricula from traditional agriculture to include natural resources and agribusiness.

The Agricultural Experiment Station and the Agricultural Extension Service were organized and assigned responsibility for research and extension functions, respectively. In 1975, the College of Veterinary Medicine was established. These three units and the College now constitute the University of Tennessee Institute of Agriculture. Thus, the College of Agricultural Sciences and Natural Resources is an academic unit of the University of Tennessee, and an important part of the Institute of Agriculture.

Most of the CASNR faculty 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 used in the instructional programs of the College, while extension and research activities provide many students excellent opportunities for individualized study with faculty mentors, as well as part-time job opportunities.

CURRICULA IN AGRICULTURE AND NATURAL RESOURCES

The College offers a broad range of curricula leading to the degrees of:
- Bachelor of Science in Agriculture (with majors in agricultural economics and business, agricultural education, and food science and technology);
- Bachelor of Science in Animal Science (with concentrations in production and business, science/technology, science/technology—pre-veterinary medicine, pre-veterinary medicine program 3+1);
- Bachelor of Science in Biosystems Engineering (with concentration in food engineering);
- Bachelor of Science in Environmental and Soil Sciences (with concentrations in soil science and environmental science);
- Bachelor of Science in Forestry (with concentrations in forest resources management and wildland recreation);
- Bachelor of Science in Plant Sciences and Landscape Systems (with concentrations in business management, horticulture and agronomy, landscape design, public horticulture, and turfgrass management); and
- Bachelor of Science in Wildlife Fisheries Science.

The professional degree program in Biosystems Engineering receives strong support from the College of Engineering and is fully accredited by the Accreditation Board of Engineering and Technology. The forest resources management and wildland recreation concentrations are fully accredited by the Society of American Foresters. The Food Science and Technology program maintains the standards as established by the Institute of Food Technologists. Agricultural education meets state of Tennessee teacher education standards.

A pre-veterinary medicine curriculum is offered in the College. This program is designed to prepare students for admission to the College of Veterinary Medicine located on the Knoxville campus. The preprofessional program in Food Science and Technology allows students to be awarded a B.S. degree in agriculture with a major in Food Science after three years and the successful completion of the first year at UT-Memphis dental, medical or pharmacy programs, or at the UT College of Veterinary Medicine.

Specific courses required for each baccalaureate degree program are given under the departmental headings in this section of the catalog. A student must complete the curriculum outlined by the department in which he/she is majoring in order to receive a degree. In all areas of specialization, particular emphasis is placed upon the sciences as a background for agricultural and natural resources instruction; other courses are included to provide a university liberal education. In all curricula, there is the opportunity to select elective courses appropriate to the educational objectives of the individual students. The choice of electives in each curriculum should be made with the guidance of the faculty advisor.

All academic and general requirements of the University as stated in the front section of this catalog must be met by students enrolled in CASNR programs, and they must complete the requirements in one of the organized curricula. Students transferring into the College of Agricultural Sciences and Natural Resources from other than the UT Knoxville campus must have a grade point average of 2.0.

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

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

A minimum grade point average of 2.0 for all courses taken in the department offering the major/concentration is required.
Satisfactory/No Credit Courses
Students may include a maximum of 21 hours in non-directed electives taken on a satisfactory/no credit basis in the total hours required for graduation.

Graduate Study in Agriculture and Natural Resources

Master of Science Programs
Programs of graduate study leading to the Master of Science degree are offered in all departments in the College of Agricultural Sciences and Natural Resources.

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

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

Selection of Curriculum
Students who have decided upon their area of study may choose the curriculum most adaptable to their needs when they register as freshmen. An advisor from the department will be assigned for their counseling. It is not necessary, however, that freshman students select their curriculum until the end of the first year. Undecided students will be assigned a special advisor to assist them in exploring CASNR programs and to guide them in the planning of appropriate courses of study for the freshman year. When they choose a curriculum, an advisor will be assigned from the appropriate department.

A foundation for advanced study beyond the baccalaureate degree may be established in any curriculum if appropriate electives are included. Courses may be elected in any of the curricula leading to the degree of Bachelor of Science in Agriculture, in preparation for employment with the Agricultural Extension Service. Contact the Office of the Dean, Agricultural Extension Service, for recommended coursework.

A very careful choice of electives enables a student with an excellent academic record to complete a double or triple major by satisfying all the requirements in each curriculum. For this purpose, the advisors of each curriculum should be consulted, the dean of the College of Agricultural Sciences and Natural Resources should be informed, and each advisor should maintain a complete record of the student’s progress. The multiple major will normally require more than 132 hours credit for graduation. It is the student’s responsibility to keep advisors informed about each major and/or minor they are pursuing.

Optional Minors
Students may have a single or multiple minors in any of the UT colleges recorded on their transcripts without regard to course overlap among majors and minors. A minor in a department of the CASNR requires a minimum of 16 credit hours in courses numbered 200 and above with the majority of credit hours at the 300 and 400 level. At least 9 of the credit hours required for the minor must be completed at the UT campus in Knoxville. Specific requirements are listed by each department offering a minor. Minors offered in the CASNR are open to any students of other colleges who have the approval of their advisor and department.

Minimum Requirements for Baccalaureate Degree Programs
All B.S. degree programs offered in the College have the following minimum requirements:

- Communicating through Writing (3 courses that include two English Composition courses and one course designated as "writing intensive" (W) in the undergraduate catalog.)
- Communication (1 course from specified list)
- Quantitative Reasoning (2 courses, 6 hours minimum, from two math or statistics courses from approved list)
- Arts and Humanities (2 courses, 6 hours minimum, from approved list)
- Social Sciences (2 courses, 6 hours minimum, from approved list)
- History (2 courses, 6 hours minimum, from approved list)
- Biological Sciences (2 courses, 6 hours minimum, College of Agricultural Sciences and Natural Resources courses included)
- Physical Sciences (2 courses, 6 hours minimum from Chemistry, Physics or Geology)
- Computer Applications (ANR 290 or equivalent)
- Major Courses (24) (These courses are specified within each major)
  For a total of 124 hours minimum.

Independent Study
Independent study, special topics courses, and seminars offered in each department provide exceptional students the opportunity to explore in greater depth subject matter of unusual significance to agriculture and natural resources. Students gain experience and are encouraged to assume responsibilities not available in formally organized courses. Association with students and faculty from all phases of agriculture and natural resources in the study of a common problem provides an exciting experience.

Students may also earn academic credit for faculty-guided international study. Students should consult with their faculty advisors.

CASNR Honors Research and Creative Achievements Program
The CASNR Honors Research and Creative Achievements Program is designed to allow students to expand and improve their critical thinking and analytical skills while pursuing the baccalaureate degree in the college. Students in this program will complete an honors project, related to research, teaching or extension, under the guidance of a faculty member, and report that work in both written and oral format in a one-hour course, ANR 498. The Program Objectives are:

- To increase the scope of educational attainment by providing a program with greater breadth and depth,
- To provide special recognition for outstanding scholastic achievement, and
- To foster a sustained interest in advanced education, research and creative achievement.

To be eligible, a student must be a junior, senior or second semester junior transfer student with a minimum grade point average of 3.25. Additionally, once a student is admitted to the program, they must maintain a GPA of 3.25 or above. The eligible student will be invited by the College to participate in the program the first semester they are eligible, and once per academic year thereafter. The student must apply for the program, and be approved by a College Honors Committee. This application includes details of the proposed research, teaching or extension project. Upon admission, the student can enroll in ANR 497, Honors Project (repeatable for a maximum of 6 hours) or departmental independent study credit. The student would enroll during the semester(s) that he/she is actively working on the project. Some departments may elect to allow some or all of this credit to count toward graduation requirements. Upon completion of their work, the student must enroll in ANR 498, Honors Presentations (1). The student will prepare a written report and give an oral presentation to the Committee and whomever else is interested.

More detailed information is available from the CASNR Dean’s office.

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

Transfer Students
Students who transfer to the CASNR from another institution or from another college at UT should contact the specific department of the curriculum they wish to follow and for assignment to an appropriate advisor. If the student is unsure of the specific curriculum, he/she should contact the Dean’s office. Requests for substitutions or special examinations should be submitted for consideration during the first semester of study in the selected curriculum.
AGRICULTURAL ECONOMICS

Professors:
D.L. McLemore (Head), Ph.D. Clemson; M.B. Badenhop (Emeritus), Ph.D. Purdue; J.R. Brooker, Ph.D. Florida; C.L. Cleland (Emeritus), Ph.D. Wisconsin; T.L. Cross, Ph.D. Oregon State; D.B. Eastwood, Ph.D. Tufts; B.C. English, Ph.D. Iowa State; C.D. Garland, Ph.D. Tennessee; D.G. Gerloff, Ph.D. Texas A&M; C.R. Hall, Ph.D. Mississippi State; K.L. Jensen, Ph.D. Oklahoma State; L.H. Keller (Emeritus), Ph.D. Kentucky; T.H. Klindt (Associate Dean), Ph.D. Kentucky; F.O. Leuthold (Emeritus), Ph.D. Wisconsin; J.A. Martin (Emeritus), Ph.D. Minnesota; B.R. McManus (Emeritus), Ph.D. Purdue; S.D. Mundy (Emeritus), Ph.D. Tennessee; R.H. Orr, Ph.D. Illinois; W.M. Park, Ph.D. Virginia Tech; B.H. Pentecost (Emeritus), J.D. Tennessee; E.L. Rawls, Ph.D. Virginia Tech; D.E. Ray, Ph.D. Iowa State; J.B. Riley, Ph.D. Oklahoma State University; R.K. Roberts, Ph.D. Iowa State; C.F. Smith, Ph.D. Tennessee; T.J. Whately (Emeritus), Ph.D. Purdue; H. Williamson, Ph.D. Missouri.

Associate Professor:
D.A. Barefield, Ph.D. Texas A&M; J.A. Larson, Ph.D. Oklahoma State.

Assistant Professor:
E.F. Bazen, Ph.D. Kentucky; C.D. Clark, Ph.D. Vanderbilt; D.G. De La Torre Ugarte, Ph.D. Oklahoma State; K.L. Jensen, Ph.D. Mississippi State; K.H. Tiller, Ph.D. Illinois; W.M. Park, Ph.D. Virginia Tech; B.H. Pentecost (Emeritus), J.D. Tennessee; E.L. Rawls, Ph.D. Virginia Tech; D.E. Ray, Ph.D. Iowa State; J.B. Riley, Ph.D. Oklahoma State University; R.K. Roberts, Ph.D. Iowa State; C.F. Smith, Ph.D. Tennessee; T.J. Whately (Emeritus), Ph.D. Purdue; H. Williamson, Ph.D. Missouri.

AGRICULTURAL ECONOMICS AND BUSINESS CURRICULUM

Advisors:
Professors Brooker, McLemore, Park, and Riley.

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

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

Minor consists of 19 credit hours including Economics 201, Agricultural Economics 212, 214, 342, 350, 412 and a 3-hour elective in Agricultural Economics.

Freshman

<table>
<thead>
<tr>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Sophomore

| Accounting 201, 202 | 5 |
| Agricultural Economics 212 | 3 |
| Animal Science 280 or 381 | 3 |
| Economics 201 | 4 |
| Humanities Elective | 3 |
| Physical Science Elective | 3 |
| Environmental and Soil Sciences 210 or Integrated Plant Systems 230 | 3-4 |
| Statistics 201 | 3 |

Junior

| 1     | 5 |
| 2     | 3 |
| 3     | 3 |
| 4     | 1 |

Senior

| Agricultural Economics 410 | 1 |
| Agricultural Economics Elective | 1-3 |
| Economics 313 | 1 |
| Humanities Elective | 3 |

Total: 127 hours

Agricultural Economics and Business: Concentration in Agricultural Equipment Systems Management

Technology is changing rapidly in agricultural equipment and the industry is in need of professionals who have a high degree of technical expertise in addition to having the ability to apply sound business and economic principles to the management of a business. The Agricultural Equipment Systems Management Concentration is a unique interdisciplinary program that combines courses from the Agricultural Economics and Business Program and the Biosystems Engineering Technology Program. Graduates will find career opportunities in the agricultural machinery industry as dealership managers as well as with agribusiness firms in operations management.

Students enrolling in the Agricultural Equipment Systems Management Concentration may apply for participation in the John Deere Dealership Management Program. This unique program represents a partnership between John Deere and the University of Tennessee for the southern region of the United States. Students participating in the John Deere Dealership Management Program will have a dealership manager as a mentor, spend two summer internships in a dealership, and will be considered for additional scholarship assistance.

Freshman

<table>
<thead>
<tr>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Sophomore

| Accounting 201, 202 | 5 |
| Agricultural Economics 212 | 3 |
| Biosystems Engineering Technology 202 | 3 |
| Chemistry 120 | 4 |
| Economics 201 | 4 |
| Humanities Elective | 3 |
| Physics 161 | 3 |
| Environmental and Soil Sciences 210 | 4 |
| Statistics 201 | 3 |

Junior

| Agricultural Economics 310, 320, 342, 350, 412 | 13 |
| English 295 or 360 or Journalism 201 | 3 |
| Nondepartmental Agricultural Electives | 6 |
| Rural Sociology 380 | 3 |
| Speech 210 or 240 | 3 |
| Statistics 320 or 365 | 3 |

Senior

| 1     | 4 |
| 2     | 3 |
| 3     | 3 |

Total: 127 hours

Agricultural Economics and Business: Concentration in Agricultural Farm Management

This concentration emphasizes the management of agricultural enterprises for profit with emphasis on farm business management. The core courses are designed to provide a strong foundation in agricultural economics, business, and management.

Freshman

<table>
<thead>
<tr>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Sophomore

| Accounting 201, 202 | 5 |
| Agricultural Economics 212 | 3 |
| Animal Science 280 or 381 | 3 |
| Economics 201 | 4 |
| Humanities Elective | 3 |
| Physical Science Elective | 3 |
| Environmental and Soil Sciences 210 or Integrated Plant Systems 230 | 3-4 |
| Statistics 201 | 3 |

Junior

| 1     | 5 |
| 2     | 3 |
| 3     | 3 |
| 4     | 1 |

Senior

| 1     | 5 |
| 2     | 3 |
| 3     | 3 |
| 4     | 1 |

Total: 127 hours

Directed Electives List: Agricultural Economics and Business Major

History

| History 221-222, 241-242, 261-262, 255-256 |

Humanities

| Art 172-173 |
| English 201-202, 231-232 |
| Music General 110 |
| Philosophy 110, 111, 130, 240, 342; Religious Studies 101, 102 |
| Theatre 100 |

Nondepartmental Agricultural Electives

| Animal Science 280; 381 |
| Entomology and Plant Pathology 313, 321 |
| Food Science and Technology 140 |
| Forestry, Wildlife and Fisheries 211, 250 |
| Ornamental Horticulture and Landscape Design 110 |
| Environmental and Soil Sciences 210 |
| Integrated Plant Systems 230 |
AGRICULTURAL AND EXTENSION EDUCATION

Professors:

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

AGRICULTURAL EXTENSION EDUCATION

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

AGRICULTURAL EDUCATION

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

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

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

HOURS CREDIT

### Freshman

- Agriculture and Natural Resources 101
- English 101
- Economics 101
- Mathematics 101
- English 102
- Economics 102
- Mathematics 102

### Sophomore

- Agriculture and Natural Resources 200
- English 200
- Economics 200
- Mathematics 200
- Economics 202
- Science 203

### Junior

- Agriculture and Natural Resources 290
- English 290
- Economics 290
- Mathematics 290
- Science 290

### Senior

- Agriculture and Natural Resources 390
- English 390
- Economics 390
- Mathematics 390
- Science 390

### Total: 132 hours

1. The course should contain a writing component.
2. Lists of appropriate electives are available and should be selected in conference with academic advisor.
3. Equivalent hours may be substituted for students not desiring teacher certification.

### ANIMAL SCIENCE

Professors:
K.R. Robbins (Head), Ph.D. Illinois; K.M. Barth (Emeritus), Ph.D. Rutgers; M.C. Bell (Emeritus), Ph.D. Oklahoma State; J.K. Bledner (Emeritus), Ph.D. Ohio State; C.C. Chamberlain (Emeritus), Ph.D. Iowa State; G.E. Conaster, M.S. Kentucky; B.H. Erickson (Emeritus), Ph.D. Kansas State; W.R. Gill, Ph.D. Kentucky; H.C. Goan, Ph.D. Michigan State; J.D. Godkin, Ph.D. Massachusetts; O.G. Hall (Emeritus), Ph.D. Iowa State; H.G. Kattesh, Ph.D. Virginia Tech; F.D. Kirkpatrick, Ph.D. Tennesseee; C.D. Lane, Ph.D. Tennessee; E.R. Lidvall (Emeritus), M.S. Tennessee; F.B. Masincupp (Emeritus), Ph.D. Kansas State; J.B. McLaren (Emeritus), Ph.D. Auburn; D.G. Meadows, Ph.D. Texas A&M; J.K. Miller (Emeritus), Ph.D. Georgia; M.J. Montgomery (Emeritus), Ph.D. Wisconsin; J.B. Neel, Ph.D. Tennesseee; S.P. Oliver, Ph.D. Ohio State; D.O. Richardson (Emeritus), Ph.D. Ohio State; G.W. Rogers, Ph.D. North Carolina State; A. Saxton, Ph.D. North Carolina State; H.V. Shirley (Emeritus), Ph.D. Illinois; B.L. Sink (Emeritus), Ph.D. Kansas State.

ASSOCIATE PROFESSORS:
W.R. Backus (Emeritus), Ph.D. Tennessee; J.M. Grizzle, Ph.D. Florida; F.D. Harper, Ph.D. Rutgers; R.N. Heitmann, Ph.D. Maine; A.F. Mathew, Ph.D. Purdue; F. N. Schrick, Ph.D. Clemson; M.D. Smith, Ph.D. Oklahoma State; K.L. Stalder, Ph.D. Iowa State; J.C. Waller, Ph.D. Nebraska.

ASSISTANT PROFESSORS:
J.L. Edwards, Ph.D. Florida; G. Pighetti, Ph.D. Penn State; C.J. Richards, Ph.D. Kentucky; J.D. Smalling (Emeritus), Ph.D. Texas A&M;

INSTRUCTOR:
W.G. Upchurch, M.S. Tennessee.

ADVISORS:
Professors Godkin and Oliver. Associate Professors Grizzle, Heitmann, Kattesh, Mathew, Schrick, Smith, and Waller. Assistant Professors Pighetti and Richards.

The curriculum is designed to prepare students for leadership careers in livestock production and related industries. Courses in horse, swine, poultry, sheep, dairy and beef cattle production and management may be elected, providing the opportunity for special or additional training in the dynamic livestock and husbandry technology (production) areas. Through course selection, students may prepare for general or livestock farming, management, business, or science, or elect the pre-veterinary courses preparatory for specialization. Elective selection permits special training for work with feed companies, meat animal, milk, egg, or poultry production, managerial or marketing groups, other educational agencies, supply and equipment business, agricultural extension services, agricultural communication, public relations, and various organizations associated with agriculture.

A Minor in Animal Science consists of 3 credits from 260 (Animal Industry and Market Evaluation) or 280 (Farm Animal Management Practices); 4 credits from 330 (Animal Nutrition, Feeds, and Ration Formulation); 3 credits from 381 (Animal Production Systems) or one of the 480 series plus 8 credits from the following list: 220, 320, 340, 380, no more than one of the 360 series, 420, 430, 440, the 480 series, and no more than 3 credits from 493.

### ANIMAL SCIENCE: CONCENTRATION IN PRODUCTION/BUSINESS

**Hours Credit**

**Freshman**

- Animal Science 160

**Sophomore**

- Animal Science 220, 280

**Junior**

- Animal Science and Natural Resources 290

**Senior**

- Animal Science and Natural Resources 290

**Total:** 240 hours

### HOURS CREDIT

**Freshman**

- Agriculture and Natural Resources 101
- Biology 101
- English 101
- Mathematics 101
- Economics 200
- Animal Science 260 or 280
- Agriculture and Natural Resources 290

**Sophomore**

- Chemistry 100
- Speech 210

**Junior**

- Agricultural and Extension Education 345, 346
- Agricultural Economics 342
- Educational Psychology 210

**Senior**

- Agricultural and Extension Education 435, 436
- Agricultural and Extension Education 420
- Biosystems Engineering Technology 452
- Animal Science 381
- General Elective
- Agricultural Electives

**Total:** 132 hours

1. The course should contain a writing component.
2. Lists of appropriate electives are available and should be selected in conference with academic advisor.
3. Equivalent hours may be substituted for students not desiring teacher certification.

### ANIMAL SCIENCE

**Hours Credit**

**Freshman**

- Animal Science 160

**Sophomore**

- Animal Science 220, 280

**Junior**

- Animal Science and Natural Resources 290

**Senior**

- Animal Science and Natural Resources 290

**Total:** 240 hours

### HOURS CREDIT

**Freshman**

- Agriculture and Natural Resources 101
- Biology 101
- English 101
- Mathematics 101
- Economics 200
- Animal Science 260 or 280
- Agriculture and Natural Resources 290

**Sophomore**

- Chemistry 100
- Speech 210

**Junior**

- Agricultural and Extension Education 345, 346
- Agricultural Economics 342
- Educational Psychology 210

**Senior**

- Agricultural and Extension Education 435, 436
- Agricultural and Extension Education 420
- Biosystems Engineering Technology 452
- Animal Science 381
- General Elective
- Agricultural Electives

**Total:** 132 hours

1. The course should contain a writing component.
2. Lists of appropriate electives are available and should be selected in conference with academic advisor.
3. Equivalent hours may be substituted for students not desiring teacher certification.

### ANIMAL SCIENCE: CONCENTRATION IN PRODUCTION/BUSINESS

**Hours Credit**

**Freshman**

- Animal Science 160

**Sophomore**

- Animal Science 220, 280

**Junior**

- Animal Science and Natural Resources 290

**Senior**

- Animal Science and Natural Resources 290

**Total:** 240 hours

### HOURS CREDIT

**Freshman**

- Agriculture and Natural Resources 101
- Biology 101
- English 101
- Mathematics 101
- Economics 200
- Animal Science 260 or 280
- Agriculture and Natural Resources 290

**Sophomore**

- Chemistry 100
- Speech 210

**Junior**

- Agricultural and Extension Education 345, 346
- Agricultural Economics 342
- Educational Psychology 210

**Senior**

- Agricultural and Extension Education 435, 436
- Agricultural and Extension Education 420
- Biosystems Engineering Technology 452
- Animal Science 381
- General Elective
- Agricultural Electives

**Total:** 132 hours

1. The course should contain a writing component.
2. Lists of appropriate electives are available and should be selected in conference with academic advisor.
3. Equivalent hours may be substituted for students not desiring teacher certification.
### ANIMAL SCIENCE: CONCENTRATION IN SCIENCE/TECHNOLOGY

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>31</td>
</tr>
<tr>
<td>Animal Science 160</td>
<td>3</td>
</tr>
<tr>
<td>Biology 130-140</td>
<td>6</td>
</tr>
<tr>
<td>English 101-102</td>
<td>8</td>
</tr>
<tr>
<td>Math 123-125, 141-142 or 151-152</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry 120-130</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore</td>
<td>31</td>
</tr>
<tr>
<td>Animal Science 220, 280</td>
<td>6</td>
</tr>
<tr>
<td>Agriculture and Natural Resources</td>
<td>4</td>
</tr>
<tr>
<td>Speech 210 or 240</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Writing Intensive</td>
<td>3</td>
</tr>
<tr>
<td>Economics 201</td>
<td>4</td>
</tr>
<tr>
<td>Physical Science and Math Restricted Elective</td>
<td>3</td>
</tr>
<tr>
<td>Biological Science Restricted Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior</td>
<td>30</td>
</tr>
<tr>
<td>Animal Science 320, 330, 340, 380, 395</td>
<td>13</td>
</tr>
<tr>
<td>Biological Science Restricted Elective</td>
<td>3</td>
</tr>
<tr>
<td>Business/Agricultural Economics and Business Minor</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior</td>
<td>31</td>
</tr>
<tr>
<td>Animal Science 495</td>
<td>1</td>
</tr>
<tr>
<td>Animal Science 481, 482, 483, 484, 485, or 489</td>
<td>4</td>
</tr>
<tr>
<td>(select two courses)</td>
<td>4</td>
</tr>
<tr>
<td>Business/Agricultural Economics and Business Minor</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total: 124 hours**

### ANIMAL SCIENCE—PRE-VETERINARY MEDICINE PROGRAM (3+1)

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

1. Completion of all pre-veterinary requirements:
   - English Composition 101-102 (3,3)—6 hours
   - Humanities and Social Sciences—18 hours
   - Elements of Physics 221-222 (4,4)—8 hours
   - General Chemistry 120-130 (4,4)—8 hours
   - Organic Chemistry 350-360 and Laboratory 369 (3,3,2)—8 hours
   - Cellular and Comparative Biochemistry 410 (4)—4 hours
   - General Biology 130-140 (4,4)—8 hours
   - Biology 240—4 hours or Animal Science 340—4 hours
2. History Elective—2 or 3 hours
3. The last 30 hours of the three-year pre-veterinary curriculum must have been taken at UT.
4. At least 12 hours of upper division (300 and 400 level courses) technical agriculture courses must be taken at UT.
5. In addition to all the required pre-veterinary medical courses, the following (or approved equivalents) must be completed before entering the College of Veterinary Medicine:
   - Mathematics 123-125 or 141-142
   - Animal Science 101—1 hour
   - Agriculture and Natural Resources 101—3 hours
   - Animal Science 220—3 hours
   - Animal Science 260—3 hours
   - Animal Science 330—3 hours

**Total: 124 hours**

### ANIMAL SCIENCE: CONCENTRATION IN SCIENCE/TECHNOLOGY—PRE-VETERINARY MEDICINE

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>31</td>
</tr>
<tr>
<td>Animal Science 160</td>
<td>3</td>
</tr>
<tr>
<td>Biology 130-140</td>
<td>6</td>
</tr>
<tr>
<td>English 101-102</td>
<td>8</td>
</tr>
<tr>
<td>Math 123-125, 141-142 or 151-152</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry 120-130</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore</td>
<td>31</td>
</tr>
<tr>
<td>Animal Science 220, 280</td>
<td>6</td>
</tr>
<tr>
<td>Agriculture and Natural Resources</td>
<td>4</td>
</tr>
<tr>
<td>Speech 210 or 240</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Writing Intensive</td>
<td>3</td>
</tr>
<tr>
<td>Economics 201</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 350, 360 and 369</td>
<td>8</td>
</tr>
<tr>
<td>Biological Science Restricted Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior</td>
<td>30</td>
</tr>
<tr>
<td>Animal Science 320, 330, 340, 380, 395</td>
<td>13</td>
</tr>
<tr>
<td>Biological Science Restricted Elective</td>
<td>3</td>
</tr>
<tr>
<td>Business/Agricultural Economics and Business Minor</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior</td>
<td>31</td>
</tr>
<tr>
<td>Animal Science 495</td>
<td>1</td>
</tr>
<tr>
<td>Animal Science 481, 482, 483, 484, 485, or 489</td>
<td>4</td>
</tr>
<tr>
<td>(select two courses)</td>
<td>4</td>
</tr>
<tr>
<td>Business/Agricultural Economics and Business Minor</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total: 124 hours**

### MEDICINE CONCENTRATION IN ANIMAL SCIENCE:

### SCIENCE/TECHNOLOGY CONCENTRATION IN ANIMAL SCIENCE:

**Total: 124 hours**

This curriculum meets the requirements for entrance to the CVM and after the first successful year in the CVM, the student will be awarded a B.S. in Animal Science. Should the student not gain admittance to the CVM after the junior year, the student could complete the requirements for a major in Animal Science during the senior year.
The Biosystems Engineering Program at the University of Tennessee is committed to linking engineering sciences and mathematics to real-world problems involving natural and man-made biological systems. We strive to educate students to become engineers with the ability to serve humanity by applying engineering knowledge to solve problems facing society. This education is accomplished by providing a strong grounding in engineering fundamentals and incorporating hands-on, real-world design scenarios throughout the curriculum. Our graduates are technically competent in engineering design. They
- understand the steps in the engineering process;
- can define a problem;
- can gather the information required to solve a problem;
- can critically evaluate information from various sources;
- are creative and can synthesize solutions to a problem;
- can perform engineering analyses;
- can design components, machines, or systems to solve a problem;
- understand the importance of social, environmental, economic, and safety issues;
- appreciate the role of uncertainty and risk in engineering analyses.

Our graduates have the skills needed by professional engineers. Our program strives to instill
- an understanding of the engineering profession;
- the thrill of rewarding engineering accomplishments;
- a knowledge of the responsibilities of a practicing engineer;
- an ability to work effectively in teams of diverse makeup;
- an understanding of the importance of ethical conduct in a professional practice;
- effective oral, written, and graphical communications skills;
- the importance of taking initiative on projects;
- confidence in technical capabilities;
- strong personal time management skills;
- strong project management skills.

Educational Objectives: Specific educational objectives have been established for the Biosystems Engineering Program. Consistent with the vision outlined above, the program objectives are that graduates have a mastery of:
- the mathematical tools normally required of junior engineers;
- the basic sciences relevant to engineering applications to biological systems;
- the engineering sciences required by their chosen concentration, and application of engineering principles to biological systems;
- the design process, including collection and analysis of information, identification of problems, formulation and selection of a solution, application of the solution, and effective communication of the results;
- teamwork skills, communication skills, and an understanding of professional, social, environmental, safety, and ethical considerations;
- the reasons for and importance of lifelong learning and of developing an appreciation for cultural and social expression beyond the realm of engineering.

Program Outcomes: To achieve the educational objectives listed above, a series of program outcomes have been adopted. These program outcomes provide specific measures to determine the degree of success in meeting each of the educational objectives. These outcomes are as follows:
- an ability to apply knowledge of mathematics, science, and engineering
BIOSYSTEMS ENGINEERING: CONCENTRATION IN FOOD ENGINEERING

The concentration in Food Engineering emphasizes topics relevant to understanding and engineering food and bioprocessing operations. Students graduating with this emphasis are prepared for engineering positions in a variety of food and other biobased industries.

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Freshman</th>
<th>Biosystems Engineering 104</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Engineering Fundamentals 101, 102</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biosystems Engineering 104</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry 120</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>English 101, 102</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mathematics 141, 142</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Education Elective</td>
<td>(Contemporary Issues Cluster)</td>
<td>3</td>
</tr>
<tr>
<td>Sophomore</td>
<td>Biosystems Engineering 201, 221, 321</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mechanical Engineering 231, 321</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nuclear Engineering 203</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environmental and Soil Sciences 210</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry 130</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mathematics 200, 231, 241</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Microbiology 210</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Junior</td>
<td>Biosystems Engineering 411, 421, 431, 441, 451</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electrical and Computer Engineering 301</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fluid Science Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Education Electives (Humanities or Arts Clusters)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics 201</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Senior</td>
<td>Biosystems Engineering 401, 402, 411, 431</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>English 360</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Education Elective</td>
<td>(Engineering Practice in Global Societal Context Cluster)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Industrial Engineering 405</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Education Elective</td>
<td>(Multicultural Studies Cluster)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Food Science and Technology 495</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total: 130 hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Or equivalent honors course.
2 If mathematics placement test does not indicated placement into Math 141, please discuss mathematics options with advisor.
3 Select from the appropriate cluster in the College of Engineering listing of General Education Electives. In some instances a single course may meet requirements of more than one cluster. When this occurs, a course from another cluster may be used to meet the total hour requirement. These electives must be approved in advance by advisor to insure that they meet university and ABET criteria.
4 Select from CE 390 Hydraulics or ES 341 Fluid Mechanics.
5 Typically upper division courses in engineering or related areas. Must be approved in advance by advisor.

BIOSYSTEMS ENGINEERING TECHNOLOGY


No baccalaureate degree program is offered in biosystems engineering technology; however, several undergraduate courses are offered to prepare students in other disciplines to apply elementary principles, techniques, and systems of engineering to the broad industry of agriculture.

A Minor in Biosystems Engineering Technology requires a minimum of 18 semester hours as follows: Biosystems Engineering Technology 202 or 212, 326, and 432, and three of the six courses 414, 422, 442, 452, 462 or 474.

A program leading to the Master of Science degree with a major in biosystems engineering technology is available (see the Graduate Catalog). The graduate program is open to qualifying BS graduates from other disciplines. Academic records of applicants will be reviewed by the departmental graduate committee to determine if prerequisite courses are required to meet program requirements.

ENVIRONMENTAL AND SOIL SCIENCES

Advisors: Essington, Lee, Logan, and D. Yoder.

Many human activities adversely impact soil, water and environmental quality. The Bachelor of Science degree in Environmental and Soil Sciences provides students with a strong grounding in basic sciences and technology to prepare them for careers in environmental and natural resource management. Students in this program study basic natural sciences as well as applied areas such as ecology, soil sciences, and natural resource policy. Students also build expertise with modern technologies such as geographical information systems, global positioning systems, and computer applications in natural resource management. Graduates are prepared to work in a wide variety of interesting and challenging career paths and to work with a broad variety of other professionals to solve complex problems. Examples of potential careers include: soil and environmental specialists and scientists; state and federal regulatory agency work; private consulting in environmental and agricultural areas; and working with non-governmental organizations with interests in agriculture, environment, and natural resources. Students receiving this BS degree are also very competitive for placement in graduate programs in environmental and agricultural sciences and technology, as well as law school.

The core program provides a strong grounding in the sciences and technology, while concentrations within the BS degree permit a focus on other technology. There are two concentrations in this degree program, Soil Environmental Science and Environmental Science. These concentrations are described below.

A minor in Environmental and Soil Sciences consists of 19 credit hours including ESS 210 and 324, BSET 326, and at least 9 elective hours in ESS and/or BSET courses at the 300 level or higher.

ENVIRONMENTAL AND SOIL SCIENCES: CONCENTRATION IN SOIL SCIENCE

This concentration is a rigorous, science-based program for students interested in the field of environmental sciences. The curriculum emphasizes soils and their long-term use and productivity, as well as surface and subsurface water resources. Students will understand natural resource problems and their management, including soil and water conservation issues, land use problems, waste disposal, and reclamation of disturbed lands.
Other areas of interest can be addressed through the appropriate selection of technical electives in the program. Students in this program will gain the practical knowledge necessary to compete for career opportunities in government, environmental consulting firms, public health services, environmental research laboratories, and agricultural production, while also gaining the theoretical training necessary for continuing on for advanced degrees in a number of environmentally related fields.

### Freshman
- Botany 110, 120 or Biology 130, 140 .......................... 8
- Chemistry 120, 130 .................................................. 8
- English 101, 102 ....................................................... 6
- Environmental and Soil Sciences 110 ........................ 1
- Mathematics 151, 152 .............................................. 6
- 1Arts and Humanities elective ................................. 3

### Sophomore
- Agriculture and Natural Resources 290 .................. 3
- Chemistry 350 .......................................................... 3
- Economics 201 .......................................................... 3
- Environmental and Soil Sciences 210 ....................... 4
- Geology 101 .............................................................. 4
- Microbiology 210 ...................................................... 3
- Physics 221 .............................................................. 3
- Statistics 201 ............................................................ 3
- Speech 210 or 240 ..................................................... 3

### Junior
- Botany 321 ............................................................... 3
- Chemistry 310 and 319 ............................................. 4
- Environmental and Soil Sciences 301, 324, 349 ....... 8
- Environmental and Soil Sciences 334 or 355 .......... 8
- Biosystems Engineering Technology 326 ............... 3
- Philosophy 346 ........................................................ 3
- 1History Electives .................................................... 6
- 1Technical Electives ................................................ 3
- English 295 or 360 or Journalism 450 or 451 ......... 3

### Senior
- Agriculture Economics 470 or Economics 462 or 462
- Philosophy 346 ........................................................ 3
- Sociology 360 .......................................................... 3
- Environmental and Soil Sciences 434, 442, 444, 462, 481 .......................... 15
- 1Technical Electives ................................................ 3
- Unrestricted electives ............................................. 6

Total: 128 hours

### ELECTIVE LIST FOR ALL CONCENTRATIONS, BS DEGREE IN ENVIRONMENTAL AND SOIL SCIENCES

#### Arts and Humanities Electives
- Any course listed under the College of Arts and Sciences Humanities requirements (Part A., section 3, Lists A, B, and C of Divisional Distribution Requirements)
- Art (all courses of instruction—art, ceramics, design/graphic, drawing, education, history, media arts, painting, printmaking, sculpture)
- Asian Studies 101, 102
- Classics (all courses)
- Dance (all courses)
- Music (all courses of instruction—education, ensemble, general, history, instrument, jazz, keyboard, performance, technology, theory)
- Philosophy 120, 130, 135
- Religious Studies (all courses)
- Theatre (all courses)
- Women’s Studies 210, 215, 320, 330, 332, 382, 383, 422, 433, 483

#### History Electives
- Anthropology 120, 130
- History (all courses)

Any course listed under the College of Arts and Sciences Non-US History requirements (Part A., section 4 of Divisional Distribution Requirements) or any courses listed under the College of Arts and Sciences Upper Level Distribution Requirements – List A or List B.

#### Technical Electives
- Note that some electives have required electives. You must satisfy prerequisites prior to taking those classes. Those prerequisites are either required in the major or are listed below—see individual course descriptions in the catalog for specific prerequisite information.

### Agriculture and Natural Resources
- Animal Science 220, 260, 280, 320, 330, 360, 381
- Biochemistry and Cellular and Molecular Biology 310, 401, 402, 410, 471, 481
- Biology 240, 250
- Biosystems Engineering Technology (any course not required for the major)
- Botany 305, 306, 310, 321, 330, 404, 412, 431, 451, 499
- Chemistry 230, 310, 319, 320, 329, 350, 360, 369, 430, 439, 471, 481
- Ecology and Evolutionary Biology 240, 270, 370, 380, 431, 470, 474, 484
- Entomology and Plant Pathology 313, 321
- Environmental and Soil Sciences (any course not required for the major)
- Food Science and Technology 420-429
- Forestry 314, 315, 321
- Forestry, Wildlife and Fisheries 250, 311, 312, 313, 317, 410, 412
- Geography 101-102, 131-132, 310, 334, 410, 411, 412, 413, 415, 434, 436, 439
- Geology 102, 103, 201, 202, 310, 345, 370, 420, 450, 455, 485, 486
- History 246
- Integrated Plant Systems 230, 334, 430, 433, 434, 435, 440, 453
- Management 301, 321, 431
- Microbiology 310, 319, 410, 411, 470
- Physics 222
- Political Science 300, 330, 340, 430, 431, 440, 442, 470
- Public Health 310
- Sociology 360, 462, 464, 465
- Statistics (any course above 201)
- University Studies 322
- Urban and Regional Planning 401, 401

### ENTOMOLOGY AND PLANT PATHOLOGY

#### Professors:

#### Associate Professors:

#### Advisors:
- Gerhardt, Lambdin, and Pless.
No undergraduate curriculum exists in the Department of Entomology and Plant Pathology, but a program leading to the Master of Science degree with a major in entomology and plant pathology is available (see Graduate Catalog). Courses in economic entomology, diseases and insects, ornamental plants, forest protection, plant pathology, and veterinary entomology are available to undergraduate students.

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

**FOOD SCIENCE AND TECHNOLOGY**

**Professors:**
C.J. Brekke (Head), Ph.D. Wisconsin; J.L. Collins (Emeritus), Ph.D. Maryland; R.M. Davidsen, Ph.D. Washington State; F.A. Draughon, Ph.D. Georgia; H.O. Jaynes (Emeritus), Ph.D. Illinois; C.C. Melton (Emeritus), Ph.D. Kansas State; S.L. Melton (Emeritus), Ph.D. Tennessee; J.T. Miles (Emeritus), Ph.D. Wisconsin; W.C. Morris, Ph.D., Iowa State; W.W. Overcast (Emeritus), Ph.D. Iowa State; M.P. Penfield, Ph.D. Tennessee.

**Associate Professors:**
D.A. Golden, Ph.D. Georgia; H.D. Loveday, Ph.D. Kansas State; J.R. Mount, Ph.D. Ohio State.

**Assistant Professors:**
J. Weiss, Ph.D. Massachusetts; S. Zivanovic, Ph.D. Arkansas.

**Advisors:**
Draughon, Golden, Loveday, Mount, and Penfield.

The curriculum concentrations in Food Science and Technology include a science concentration, a business/technology concentration, and a pre-professional concentration. They prepare students to apply basic scientific and business principles to manufacturing, processing, distribution, and utilization of food products that meet the needs and desires of consumers. Coursework emphasizes the basic principles of converting raw food materials into safe acceptable consumer products. Selected commodity courses detail processing of specific types of food materials. Students entering the program should have an interest in the sciences, such as chemistry, microbiology, and biology.

Career opportunities include positions in the food industry in quality assurance, production management, marketing, government inspection, etc. The science concentration of coursework conforms to the guidelines in the model curriculum of the Institute of Food Technologists. The business/technology concentration allows students to obtain an agribusiness or business minor. A special problems course provides opportunity for practical training in food processing plants and laboratories or federal and state laboratories.

The Minor in Food Science and Technology requires a minimum of 17 hours as follows: 140, 310, 320-329, 340, and one elective course in Food Science and Technology.

**FOOD SCIENCE AND TECHNOLOGY: CONCENTRATION IN SCIENCE**

**(Freshman Hours Credit)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>6</td>
</tr>
<tr>
<td>Biological Science</td>
<td>6</td>
</tr>
<tr>
<td>Ecology 120-130</td>
<td>8</td>
</tr>
<tr>
<td>Food Science and Technology 140</td>
<td>3</td>
</tr>
<tr>
<td>Agriculture and Natural Resources 290</td>
<td>3</td>
</tr>
</tbody>
</table>

**(Sophomore Hours Credit)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 350, 360-369</td>
<td>8</td>
</tr>
<tr>
<td>Microbiology 210 or higher</td>
<td>3</td>
</tr>
<tr>
<td>Physics</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Food Science and Technology 340</td>
<td>3</td>
</tr>
<tr>
<td>Nutrition 100 or 300</td>
<td>3</td>
</tr>
<tr>
<td>Food Science and Technology 301</td>
<td>3</td>
</tr>
<tr>
<td>Food Science and Technology 410 and 430</td>
<td>7</td>
</tr>
<tr>
<td>Biochemistry and Molecular Biology 310 or 410</td>
<td>4</td>
</tr>
<tr>
<td>Biosystems Engineering Technology 422</td>
<td>3</td>
</tr>
<tr>
<td>Plant Sciences and Landscape Systems 471 or Statistics 201</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Writing intensive course</td>
<td>1</td>
</tr>
<tr>
<td>History Electives</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

**(Junior Hours Credit)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Science and Technology 401</td>
<td>1</td>
</tr>
<tr>
<td>Food Science and Technology 420-429</td>
<td>5</td>
</tr>
<tr>
<td>Food Science and Technology 445, 460, 490 and 495</td>
<td>4</td>
</tr>
<tr>
<td>Nutrition 420</td>
<td>3</td>
</tr>
<tr>
<td>Food Science and Technology 493</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

Total: 124 hours

1. May select either English 101 and 102 or English 118 and 112 (Students who obtain a grade of A or B in 118 may complete their freshman requirement with 102, 355, or with a 200 level course in the English department. The 200 level course may, if so listed, also be used toward the Humanities requirement.)

2. Math placement depends on high school courses and grades and ACT scores. Math 110 or higher is required and Math 119 or higher.

3. May be chosen from Biology or Botany course.

4. Lists of appropriate courses are available and should be selected in conference with academic advisor.

5. One course other than English requirements must be designated as “writing intensive” (W) in the undergraduate catalog.

6. May be chosen from Speech 210, 220 or 240.

**FOOD SCIENCE AND TECHNOLOGY: PREPROFESSIONAL CONCENTRATIONS**

These programs in Pre-Dental, Pre-Medicine, Pre-Pharmacy and Pre-Veterinary Medicine allow students to be awarded a B.S. degree in Agriculture with a major in Food Science and Technology, after three years and the successful completion of the first year (two semesters) in UT-Memphis dental, medical or pharmacy programs or UT College of Veterinary Medicine, Knoxville. The last 30 hours of the three-year curriculum must have been taken at UT Knoxville. A total of 124 hours must be completed by the end of the first year in professional school. No later than December 31 of the student’s first year in professional school(s) he should contact the Department Food Science and Technology in order to check on graduation procedures for this program.

Although a B.S. degree is not required for admission to the Colleges of Dentistry or Medicine, most of the students accepted into these programs have the baccalaureate degree before admission. Therefore students are encouraged to plan to complete all requirements for B.S. degree before enrolling in either of these colleges. A B.S. degree can be obtained before enrolling in the Doctor of Pharmacy (Pharm. D.) program.
See page 47 for continuation of this text.
### FOREST RESOURCES MANAGEMENT CONCENTRATION

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

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

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

<table>
<thead>
<tr>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>119, 125</td>
</tr>
<tr>
<td>Botany 110, 120</td>
<td>8</td>
</tr>
<tr>
<td>Forestry, Wildlife and Fisheries 100, 211</td>
<td>4</td>
</tr>
<tr>
<td>Forestry 100</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences Elective</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3-4</td>
</tr>
<tr>
<td>Sophomore</td>
<td>211, 315</td>
</tr>
<tr>
<td>Economics 201</td>
<td>4</td>
</tr>
<tr>
<td>Statistics 201</td>
<td>3</td>
</tr>
<tr>
<td>Agriculture and Natural Resources 290</td>
<td>3</td>
</tr>
<tr>
<td>Forestry, Wildlife and Fisheries 311</td>
<td>3</td>
</tr>
<tr>
<td>Forestry 315</td>
<td>3</td>
</tr>
<tr>
<td>Speech 210 or 240</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 100</td>
<td>3</td>
</tr>
<tr>
<td>Environmental and Soil Sciences 210</td>
<td>4</td>
</tr>
<tr>
<td>English 295</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3-4</td>
</tr>
<tr>
<td>Junior</td>
<td>315, 317</td>
</tr>
<tr>
<td>Forestry, Wildlife and Fisheries 312, 313, 317</td>
<td>8</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
</tr>
<tr>
<td>Senior</td>
<td>311, 313, 317</td>
</tr>
<tr>
<td>Forestry, Wildlife and Fisheries 410, 412, 416</td>
<td>9</td>
</tr>
<tr>
<td>Forestry 331, 332, 420, 422</td>
<td>8</td>
</tr>
<tr>
<td>Ethics Elective</td>
<td>3</td>
</tr>
<tr>
<td>History Elective</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>4-7</td>
</tr>
</tbody>
</table>

Total: 135 hours

### WILDLAND RECREATION CONCENTRATION

The Wildland Recreation Concentration is an interdisciplinary degree that prepares students to work in natural resource based recreation settings on private and public lands, including local, state, and national parks, and other state and federal agencies and private or non-profit organizations providing outdoor recreational opportunities. Students prepare for professional positions in the planning, development, interpretation, and management of private and public lands for recreational purposes. Students also learn the basic philosophy and principles associated with the use of leisure time and the relationship of natural resources to the constructive use of leisure time.

Elective credits may be used to obtain specializations in complementary areas such as education, cultural and natural history interpretation, forestry, wildlife, fisheries, communication and public relations, agricultural extension education, ornamental horticulture and landscape design, business and public administration, and the natural sciences, including ecology, botany, zoology, and geology as well as recreation and leisure studies, such as private/commercial and therapeutic recreation.

Ten weeks of professional internship experience (6 credits) is required during the final 45 hours of credit in the program. The internship is a highly structured field experience guided by specific learning objectives pre-approved by the instructor and the field supervisor. The student receives one credit per two weeks of full-time field experience. Preparations for the internship should be made well in advance of actual placement. Summer employment or volunteer work in a related field prior to the internship is highly encouraged.

### APPROVED ELECTIVE COURSES FOR BOTH FOREST RESOURCE MANAGEMENT AND WILDLAND RECREATION CONCENTRATIONS

The two concentrations in the Bachelor of Science require courses in a number of general education areas. Below are specific courses that meet the requirements in each of the areas. Courses listed for social science, humanities, and history are from a University-wide list, while those for communications have been developed within the Department of Forestry, Wildlife and Fisheries. Other courses may satisfy the requirements. If you are interested in an unlisted course, see the description of each area under general education requirements (page 31 in the 2002-03 UT Undergraduate Catalog) and then discuss it with your advisor.

### SOCIAL SCIENCES

- American Studies 315, 319, 343, 373, 379, 442, 452, 473, 480, 483
- American Studies 310, 410, 423
- Botany 305, 306
- Business Administration 311
- Child and Family Studies 220, 240
- Cinema Studies 312
- Geology 201, 202
- Latin-American Studies 251, 252, 313, 314, 319, 331, 372, 373, 401, 456
- Medieval Studies 247
- Psychology 110, 210, 300, 310, 320, 330, 360, 370, 415, 424, 434, 440, 470, 480
- Religious Studies 220, 302, 319, 373-384
- Rural Sociology 380
- Speech Communication 466, 469
- University Honors 347
- Urban Studies 321, 323, 441, 454, 464
- Women’s Studies 220, 230, 310, 340, 375, 434, 466, 483

### HUMANITIES

- African and African-American Studies 429
- Art (all courses of instruction—art, ceramics, design/graphic, drawing, education,
WILDLIFE AND FISHERIES SCIENCE

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


**Hours Credit**

Freshman

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101, 102</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 119</td>
<td>3</td>
</tr>
<tr>
<td>Biology 130-140 or 101-102</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry 120-130 or 100-110</td>
<td>8</td>
</tr>
<tr>
<td>History or Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Forestry, Wildlife and Fisheries 100, 211</td>
<td>4</td>
</tr>
</tbody>
</table>

Sophomore

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics 125</td>
<td>3</td>
</tr>
<tr>
<td>Statistics 201 or Plant Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Agriculture and Natural Resources 290</td>
<td>3</td>
</tr>
<tr>
<td>Speech 210 or 240</td>
<td>3</td>
</tr>
<tr>
<td>Animal Science 220 or Ecology and Evolutionary Biology 350 or Biochemistry and Cellular Molecular Biology 330</td>
<td>3-4</td>
</tr>
<tr>
<td>Environmental and Soil Sciences 210</td>
<td>3</td>
</tr>
<tr>
<td>Economics 201</td>
<td>3</td>
</tr>
<tr>
<td>Biology 250</td>
<td>4</td>
</tr>
<tr>
<td>History or Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Forestry, Wildlife and Fisheries 311</td>
<td>3</td>
</tr>
</tbody>
</table>

Junior

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forestry, Wildlife and Fisheries 312, 313, 317</td>
<td>8</td>
</tr>
<tr>
<td>Wildlife and Fisheries Science 303, 305, 323, 330, 340, 441, 442</td>
<td>17</td>
</tr>
<tr>
<td>Ecology and Evolutionary Biology 470 or 446 or Environmental and Soil Sciences 324</td>
<td>3-4</td>
</tr>
<tr>
<td>Science Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Senior

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forestry, Wildlife and Fisheries 410, 416</td>
<td>6</td>
</tr>
<tr>
<td>Wildlife and Fisheries Science 433, 444, 445, 490, 490</td>
<td>10</td>
</tr>
<tr>
<td>Ecology and Evolutionary Biology 474</td>
<td>3</td>
</tr>
<tr>
<td>Forestry, Wildlife and Fisheries 411 or Forestry 422</td>
<td>3</td>
</tr>
<tr>
<td>History or Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td>5</td>
</tr>
<tr>
<td>Science Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 132 hours

*Lists of appropriate courses in Humanities and History are available at the Department of Forestry, Wildlife and Fisheries Office. Students are encouraged to take some of the history and humanities courses at the 300 and 400 level. 3 hours of the humanities or history electives must be a writing intensive course.

APPROVED ELECTIVES

The asterisk (*) indicates a writing emphasis course. Check with your advisor if you have any questions about these electives.

HISTORY

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>African and American Studies 371, 372, 381, 429, 445, 473, 480, 483</td>
<td>4</td>
</tr>
<tr>
<td>American Studies 310, 456</td>
<td>5</td>
</tr>
</tbody>
</table>

COMUNICATIONS

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology 211, 212, 406, 412, 413, 415</td>
<td>8</td>
</tr>
<tr>
<td>Art History 162, 183, 403, 411, 415, 419, 425, 431, 441, 442, 451, 452, 453, 454, 461, 463</td>
<td>17</td>
</tr>
<tr>
<td>Asian Studies 101, 102</td>
<td>3</td>
</tr>
<tr>
<td>Classics 381, 382</td>
<td>3</td>
</tr>
<tr>
<td>Dance 480,490</td>
<td>3</td>
</tr>
<tr>
<td>English 301, 302</td>
<td>3</td>
</tr>
<tr>
<td>History (all courses)</td>
<td>3</td>
</tr>
<tr>
<td>Latin-American Studies 360, 361</td>
<td>3</td>
</tr>
<tr>
<td>Medieval Studies 312, 313</td>
<td>3</td>
</tr>
<tr>
<td>Military Sciences 430</td>
<td>3</td>
</tr>
<tr>
<td>Music History 115, 120, 210-220, 310</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy 120, 201, 121</td>
<td>3</td>
</tr>
<tr>
<td>Religious Studies 101, 310, 330</td>
<td>3</td>
</tr>
<tr>
<td>Theatre 411, 412</td>
<td>3</td>
</tr>
<tr>
<td>Women’s Studies 432, 453</td>
<td>3</td>
</tr>
</tbody>
</table>

*All concentrations require 210 or 240; taking both would satisfy the speech requirement and the communications elective

**Writing emphasis course.
Pennsylvania State; C.R. Graves (Emeritus), M.S. Tennessee; R.M. Hayes, Ph.D. Illinois; D.W. Lockwood, Ph.D. Purdue; G.L. McDaniel, Ph.D. Iowa State; J.H. Reynolds (Emeritus), Ph.D. Wisconsin; A.D. Rutledge (Emeritus), Ph.D. Tennessee; T.J. Samples, Ph.D., Oklahoma State; C.E. Sams, Ph.D. Michigan State; D.W. Sams (Emeritus), Ph.D. Minnesota; P.P. Shelby (Emeritus), M.S. Tennessee; C.N. Stewart, Phd. (Racheff Chair) Virginia Tech; D.R. West, Ph.D. Nebraska; D.B. Williams (Emeritus), Ph.D. Pennsylvania State.

**Associate Professors:**

**Assistant Professors:**

**Advisors:**
Coffey, Hamilton, McDaniel, Menendez, Morgan, Sams, and Sorochon.

The Department of Plant Sciences and Landscape Systems (PSLS) of the University of Tennessee offers accredited academic instruction to undergraduate and graduate students. Experienced instructors who are committed to the success of their students staff the department. Advisors give students sound advice in the selection of career specialties, elective courses, and provide students the best education possible. Professors want their students to be successful and enjoy positive student-teacher relationships. They keep track of job openings and assist students during the job selection process. Since most PSLS students are also research scientists, undergraduates interested in advanced studies are directed into appropriate courses necessary for admission to graduate school. Students are also encouraged to work with faculty researchers in a variety of laboratory, greenhouse, or field experiments.

The department offers a major leading to a Bachelor of Science degree in Plant Sciences and Landscape Systems with five concentrations: Business Management, Horticulture and Agronomy, Landscape Design, Public Horticulture, and Turfgrass Management. Each concentration offers a different approach to address the breadth of opportunities available to PSLS undergraduate students. A minimum of 124 credit hours including internship is required for each concentration. Full-time summer internships are available at selected local, regional, and national companies or institutions. Part-time summer or semester internships are available from PSLS, other university departments and laboratories and local commercial firms. For more information about undergraduate and other departmental programs, please contact our web site at: [http://ohld.ag.utk.edu/psls/](http://ohld.ag.utk.edu/psls/)

**CAREER SPECIALTIES**
Students in the Landscape Design and the Public Horticulture concentrations have various career paths open to them. Opportunities exist within landscape construction and maintenance (installation and maintenance of residential and commercial landscapes), and public horticulture (the promotion of horticulture to enhance people’s education and enjoyment of plants). Students select courses to meet the challenges of the different areas of ornamental horticulture by working closely with their academic advisers. Internships at various horticultural enterprises provide students the opportunity to put theory into practice and screen possible job options.

Positions that graduates hold are numerous and include the following: owners, supervisors and employees of landscape construction; design and/or maintenance businesses for residential, recreational and commercial properties; owners, designers, salespersons or managers with interior spaces firms; directors of customer service; nursery managers, education program director, high school or college teachers and employees of botanic gardens and arboreta; federal, state, county, city and municipal horticulturists; county extension workers in horticulture; landscape manager, assistant manager, employees of tree care firms; and garden writers. A percentage of undergraduate students go on to graduate studies.

The Business Management and Turfgrass Management concentrations focus on business-oriented careers. Opportunities exist within floriculture (the field of growing and marketing flowers and plants), turfgrass management (growing and managing turfgrasses used for golf courses, parks, athletic fields, and residential and commercial lawns), wholesale nursery production (the production of trees, shrubs and other woody ornamental plants used by the landscape industry or sold through retail outlets), retail horticulture (the marketing; merchandising and sale of vegetables, fruit, or ornamental plants and gardening accessories directed to the consumer), and agronomic crops production and consulting.

Positions that graduates hold are numerous and include the following: owner, manager, salesperson or employee of garden centers, farm supply, or other retail outlets; golf course superintendents and assistant superintendents; sales positions with turfgrass equipment firms, supply firms, chemical companies and seed companies; owners, supervisors or growers of turfgrass sod, nursery or floral crop operations, and agronomic and field-product companies.

The Horticulture and Agronomy concentration provides a solid background in science and knowledge while preparing students to apply this knowledge. The graduate must have knowledge of the basic chemical, physical and biological sciences and be educated in communication and computer sciences. Students may be broadly trained or may specialize in a specific area of the subject. This concentration is especially designed to qualify students for professional certification and to prepare students for graduate study. Through the appropriate selection of science, social, and technical electives, students can qualify for certification as a crop scientist, agronomist, or horticulturist.

Students can also prepare themselves for graduate study in crop ecology and physiology, crop breeding and genetics, and weed science. Careful selection of departmental courses and related courses as well as electives in consultation with the student’s academic adviser will prepare graduates for a career of their choice in the Plant Science area, whether it be Agronomic or Horticultural in nature.

A minor in Integrated Plant Systems shall consist of 18 hours of courses in Plant Sciences and Landscape Systems including IPS 230, IPS 334, and a minimum of 12 credit hours at the upper division. Prerequisites, if any, to these courses will not be waived, but must be included in addition to the total of 18 hours. PSLS 471 will not be accepted as a course to meet minor requirements.

A minor in Ornamental Horticulture and Landscape Design shall consist of 18 hours of courses in Ornamental Horticulture and Landscape Design: OHL110, Introduction to Ornamental Horticulture and one additional lower division course, and a minimum of 12 credit hours at the upper division. Prerequisites, if any, to these courses will not be waived, but must be included in addition to the total of 18 hours.

**ENROLLMENT MANAGEMENT PLAN**

All students in the Department of Plant Sciences and Landscape Systems must meet certain minimum requirements before registering for upper division PSLS, OHL, or IPS classes. Admittance to each of the departmental concentrations is determined by completion of core courses with a “C” or better for an individual concentration, completion of a minimum of 65 credit hours toward the degree, and a minimum cumulative grade point average (GPA) of 2.25.

To be considered for progression into the upper division of the program, majors must submit an application form for progression prior to or just after registration for the next semester. Their transcript will be reviewed by faculty members for completion of all core courses and meeting the minimum GPA. Students must have completed all but 3 core courses for their concentration by the end of the semester in which they apply for acceptance into upper division courses. They must complete all core courses before entering upper division courses. They will also need the prerequisites to these individual upper division courses.

Once admitted for progression to upper division programs, students must maintain a cumulative GPA of 2.25. Junior and senior majors in PSLS whose cumulative GPA falls below the minimum of 2.25 will not be allowed to register in departmental upper division classes until they again meet the required GPA for progression. This enrollment management plan becomes effective for all students enrolling in PSLS on or after Fall semester 2001.

**CORE COURSES**
Majors must have completed the core courses for their respective PSLS concentration. Students must declare a concentration early in their undergraduate program and strictly follow the curriculum described for it. Students who transfer into PSLS from other colleges or programs must meet the same requirements as those entering the department as freshmen. The core courses for the PSLS concentrations are:

College of Agricultural Sciences and Natural Resources 49
### Business Management Concentration:
- two courses in English composition (English 101 and 102 or equivalent);
- college algebra and calculus (Math 119 and 125 or equivalent);
- general chemistry (Chemistry 100-110 or 120-130 or equivalent);
- general botany (Botany 110 and 120 or equivalent); general accounting (Accounting 201 and 202 or equivalent);
- soil science (ESS 210 or equivalent).

### Horticulture and Agronomy Concentration:
- two courses in English composition (English 101 and 102 or equivalent);
- college algebra and either precalculus or calculus (Math 119 and 125 or 130) or completion of Math 151 and 152 or equivalent;
- general chemistry (Chemistry 100-110 or 120-130 or equivalent);
- general botany (Botany 110 and 120 or equivalent); soil science (ESS 210 or equivalent); crop science (IPS 230 or equivalent).

### Landscape Design:
- two courses in English composition (English 101 and 102 or equivalent);
- college algebra and finite math or calculus (Math 119 and 123 or 125 or equivalent);
- general chemistry (Chemistry 100 or 120 or equivalent) and one natural science elective; general botany (Botany 110 and 120 or equivalent); soil science (ESS 210 or equivalent); basic landscape plants (OHLD 220 or equivalent).

### Public Horticulture Concentration:
- two courses in English composition (English 101 and 102 or equivalent);
- college algebra and finite math or calculus (Math 119 and 123 or 125 or equivalent);
- general chemistry (Chemistry 100-110 or 120-130 or equivalent);
- general botany (Botany 110 and 120 or equivalent); soil science (ESS 210 or equivalent); basic landscape plants (OHLD 220 or equivalent).

### Turfgrass Management Concentration:
- two courses in English composition (English 101 and 102 or equivalent);
- college algebra and finite math or calculus (Math 119 and 123 or 125 or equivalent);
- general chemistry (Chemistry 100-110 or 120-130 or equivalent);
- general botany (Botany 110 and 120 or equivalent); soil science (ESS 210 or equivalent); basic landscape plants (OHLD 220 or equivalent); microcomputer applications (ANR 290 or equivalent).

### BUSINESS MANAGEMENT CONCENTRATION
The Business Management Concentration is fundamental to those interested in starting their own companies. Students receive a minor in either Business Administration or Agricultural Economics and Business allowing easier access to management positions as well as graduate programs such as the Master of Business Administration (MBA) should they want to continue their education in the future.

#### Freshman
- Botany 110-120 .................................................. 8
- Chemistry 100-110 or 120-130 ............................. 8
- English 101-102 .................................................... 6
- Math 119 and (123 or 125) .................................... 6
- OHLD 110 or IPS 230 ........................................... 3

#### Sophomore
- Select 2 from OHLD 220, 230, 231, or 280 ........... 5-6
- Agriculture and Natural Resources 290 ............... 3
- Accounting 201-202 .......................................... 5
- Economics 201 .................................................. 4
- Environmental and Soil Sciences 210 .................... 4

#### Junior
- OHLD 330 .......................................................... 3
- Select IPS 334 for agronomy track or select OHLD 350, 360, 390, 391, IPS 334 or 340 for horticulture track .................................................. 3
- Speech 210 or 240 .............................................. 3
- Select Statistics 201 or Business Minor or Agricultural Economics 212 for Agriculture Economics Minor ............................................. 3
- History Elective .................................................. 3
- Entomology and Plant Pathology 313, 321, or 340 ....... 3
- Technical Elective .............................................. 3
- History Elective .................................................. 3
- Select 3 from OHLD 326, 330, 350, 360, 370, 380, 390, 391, IPS 334, or 340 ....................... 6-9

#### Senior
- Select Business Administration 201 and Management 300 for Business Minor or Agricultural Economics 342 and 350 for Agricultural Economics Minor ............................................. 6-7
- Select 2 from Technical Electives ........................... 6
- History Elective .................................................. 3
- Unrestricted Electives .......................................... 3-11
- Total: 124 hours

### HORTICULTURE AND AGRONOMY CONCENTRATION
The Horticulture and Agronomy Concentration is designed for the student desiring to pursue professions that include graduate studies, research and commercial production of agronomic and horticultural crops. Careful selection of departmental courses and other electives in consultation with your academic advisor will prepare graduates for the career of their choice. The concentration consists of two tracks of study: (1) Emphasis in agronomy and (2) Emphasis in horticulture.

#### Freshman
- Botany 110-120 .................................................. 8
- Chemistry 100-110 or 120-130 ............................. 8
- English 101-102 .................................................... 6
- Math 119 and (123 or 125) .................................... 6
- OHLD 110 or IPS 230 ........................................... 3

#### Sophomore
- Select Microbiology 210 and Biology 240 for agronomy track or select 1 from OHLD 220, 230, 231, 280 and 290 or IPS 334, 340, 343, 440, 450, IPS 431, 433, 434, 455, 440, IPS 471, 493 .................................................. 9-13
- Speech 210 or 240 .............................................. 3
- Select Business Administration 201 and Management 300 for Business Minor or Agricultural Economics 342 and 350 for Agricultural Economics Minor ............................................. 6-7
- Writing Elective .................................................. 3
- Social Science Elective ........................................... 3
- Unrestricted Electives .......................................... 3-11
- Total: 124 hours

### LANDSCAPE DESIGN CONCENTRATION
Landscape designers create aesthetic concepts and practical plans for improved outdoor living. Students study fundamental and advanced landscape design, landscape design graphics, computer aided landscape design, surveying, art, socio-economic impact of plants, field botany, professional practices, basic woody plant identification, landscape construction and maintenance methods. The development of comprehensive design projects helps students prepare for careers in landscape design or advanced studies in landscape architecture. Graduates in design have access to a large segment of the ornamental horticulture commodity areas of employment.

#### Freshman
- Botany 110-120 .................................................. 8
- Chemistry 100 or 120 ........................................... 4
- English 101-102 .................................................... 6
- Math 119 and (123 or 125) .................................... 6
- OHLD 110 or IPS 230 ........................................... 3
- Social Science Elective ........................................... 3

#### Sophomore
- OHLD 220, 280 .................................................. 6
- Agriculture and Natural Resources 290 ............... 3
- Natural Science Elective ........................................ 4
- Environmental/Technical Elective ......................... 3
- Environmental and Soil Sciences 210 ..................... 4
- Speech 210 or 240 .............................................. 3
- Social Science Elective ........................................... 3
- Unrestricted Electives .......................................... 6
- Junior
- OHLD 350, 380 .................................................. 6
- Select 2 from OHLD 225, 230, 231, 330, 370, IPS 334, or 340 .................................................. 5-6
- Select 1 from OHLD 390 or 391 for horticulture track or select 1 from OHLD 350, 360, 390, 391, IPS 334 or 340 for horticulture track .................................................. 3
- Microbiology 210 or Biology 240 for horticulture track .................................................. 6
- Agriculture and Natural Resources 290 ............... 3
- Writing Elective .................................................. 3
- History Elective .................................................. 3
- Social Science Elective ........................................... 3
- Unrestricted Electives .......................................... 4-5

#### Senior
- OHLD 460, 480, 485 ............................................. 9
- Select 2 from OHLD 410, 427, 430, 434, 446, 450, 494, IPS 440 or PSLS 493 .......... 6
- Select 2 from OHLD 390 or 391 for horticulture track or select 2 from OHLD 350, 360, 390, 391, IPS 334 or 340 for horticulture track .................................................. 3
- Speech 210 or 240 .............................................. 3
- Environmental and Soil Sciences 210 ..................... 4
- Select 2 from OHLD 370 for horticulture track or select 2 from OHLD 350, 360, 390, 391, IPS 334 or 340 for horticulture track .................................................. 3
- PSLS 492 ........................................................... 3
- Environmental and Soil Sciences 344 ..................... 3
- Select Environmental and Soil Sciences 462 for agronomy track or select Botany 330 for horticulture track .................................................. 3
- Entomology and Plant Pathology 313, 321, or 340 ....... 3
- Technical Elective .............................................. 3
- History Elective .................................................. 3
- Unrestricted Electives .......................................... 3

#### Total: 124 hours

1. Lists of appropriate electives are available and should be selected in conference with academic advisor.