1. The student must have followed a business curriculum.
2. The student must have earned a minimum 2.75 cumulative average (3.0 for accounting majors), excluding non-business and non-departmental electives.

Transfer Students From Other UTK Programs

Students in other colleges at UT Knoxville should apply for progression to the College of Business Administration at the earliest possible date. Applications must be submitted prior to the completion of 15 hours. All students must be admitted to a CBA major, for the test 30 hours as a minimum. Only in exceptional cases will application be considered after 75 hours of coursework (at UT or elsewhere) have been attempted. The following minimum requirements must have been met in order to be considered for admission to a major:

1. The student must have earned a minimum 2.75 average, cumulative, or the course specific requirement in the lower-division of their curriculum, excluding non-business and non-departmental electives.
2. The overall record will be evaluated for quality and seriousness of purpose. An extensive number of work experiences, incomplete courses, or failures may result in denial of progression.
3. Progression standards are subject to change; current standards are available in the Undergraduate Advising Center, Grocer 62.

TRANSFER STUDENTS FROM OTHER INSTITUTIONS

The following minimum requirements must be met in order to be considered for admission to a major:

1. IN-STATE community college or four-year institution: The student must have a cumulative GPA of 3.0 or higher. If this standard is not met, the student will be denied admission to the College.
2. IN-STATE community college or four-year institution: The student must have earned a minimum 2.75 cumulative average, excluding non-business and non-departmental electives.

Application Requirements

All applications must be initiated by the student. The College of Business Administration may require additional application materials, as determined by the Undergraduate Advising Center in consultation with the College.

COURSE LOAD

The normal course load for a semester is 14-16 hours. In unusual circumstances, permission is required to take a course load in excess of this maximum. Students must successfully complete the prerequisite courses specified as being available for SINC grading.

BUSINESS MINOR FOR NON-BUSINESS STUDENTS

Students pursing majors in colleges other than the College of Business Administration and who wish to obtain a minor in Business Administration must successfully complete the following requirements:

Accounting 201, 202; Economics 201, Statistics 201, Finance 301, Management 301, and one additional 300 level or above business elective. All upper division (300 level or above) coursework must be taken at UT, Knoxville. Students are responsible for meeting all prerequisites of any upper division courses taken.

FOREIGN STUDY

Several opportunities for study abroad are available to students in the College. One avenue is through group programs arranged and supervised by departments of the college on a full semester or summer term. A second is through group programs conducted abroad by another academic institution to which UT Knoxville students are approved. Departmentally approved study abroad opportunities may be obtained through Overseas Study Information Service located in the University's Division of International Education. A third opportunity is through individualized programs. The nature of this work as well as credit for it should be negotiated by students prior to departure with the appropriate department.

STUDENT ORGANIZATIONS

Business students at UT Knox have the opportunity to become involved in national and international professional societies. Students are encouraged to become involved in a professional organization relevant to their area of interest.

APPEALS

The College has established a Progression Appeals Committee to which those students who have been denied progression may address an appeal. Information on the appeals process may be obtained by calling the Undergraduate Advising Center, 375-5036, or contacting an advisor in that office.

FOREIGN STUDY

For a complete list of scholarships available to undergraduate students, please see the Honors and Awards section of the catalog.

OFF-CAMPUS STUDY

Recognizing that learning is not restricted to formal classroom situations, the college provides for students to earn credit toward graduation for experiences occurring outside of the classroom. Such study may be undertaken only with prior approval from the department granting credit. It is possible that certain types of work experiences, community involvement, etc., might be undertaken; however, they would not be considered a part of the UT Knox undergraduate study abroad program.

SCHOLARSHIPS

A limited number of scholarships are available for highly qualified students. Students are invited to apply for a College of Business Administration scholarship. Selection criteria considered for scholarships include: academic merit, financial need, and leadership. Students will be notified of the College of Business Administration scholarship application and must submit a copy of the application deadline in mid-February each year.

In order to be considered for a scholarship, students must meet the following criteria:

1. Unweighted grade point average of 3.0

2. ACT composite score of 23 or SAT combined score of 1050

To apply, students must submit the following:

1. A current high school transcript and a current college transcript, if the student is a transfer student.
2. ACT or SAT scores;
3. Class rank;
4. An essay

For a complete list of scholarships available to undergraduate students, please see the Honors and Awards section of the catalog.
majors and any student with an interest in logistics and transportation careers.

Omnion Delta Epsilon — Honor society in economics for students and faculty. Student membership must have a minimum 3.0 overall average.

ADULT STUDENTS
For more information on options and resources available to adult students, contact the Adult Student Services Center, 414 Student Services, at 794-4504.

OTHER AVAILABLE RESOURCES:
Career Services — Located in 100 Duntnd Hall, Career Services helps students choose a major, assess career alternatives, find employment, and complete a successful transition from the University to the world of work. For more information on services provided, please see the front section of the catalog under Career Services.

Undergraduate Advising Center — Complete course descriptions and syllabi for undergraduate business courses can be found in the Undergraduate Advising Center, Glover 52.

College of Business Administration — Undergraduate Student Guide — A complete guide to everything an undergraduate business student needs to know is available in the Undergraduate Advising Center, Glover 52.

Business Majors and Careers — The College of Business Administration provides students with an opportunity to work with some of the nation's best educators within a demanding yet dynamic field of study. Majors in nine main areas couple the breadth of the core business curriculum with the flexibility of specialized areas of study. Business students are exposed to the latest developments in business theory and technology, including the use of computers as problem-solving tools. Each degree program emphasizes the oral and written communication skills necessary for success in any field. For up-to-date information on degree requirements, please see the Undergraduate Advising Center, Glover 52.

GENERAL EDUCATION — FRESHMAN AND SOPHOMORE YEARS
The following courses are prerequisite to all majors in the College of Business Administration except for the Statistics major which is presented in the departmental listing.

CURRICULA
Freshman and Sophomore Curricula (except Statistics)
The following courses are prerequisite to all majors in the College of Business Administration.

HOURS 48

Freshman

Economics 211, 212 or 215 3
Mathematics 123, 125 or 141, 142 8 or 9
" One of the following: English 101,102; French 110, 120; German 110, 120; Italian 110, 120; Spanish 110, 120
Business Administration 220 3
Accounting 201, 202 3

Sophomore

Economics 201 4
"Statistics 201 3
"Communication 200 3
"Management 200 3
"History 300 3

Total: 64-66 hours

Mathematics — Entry into Mathematics courses is a function of placement scores on a placement test taken by entering students. Students whose placement scores do not qualify them for Mathematics 141-142 may take 123-125 and two additional elective hours. Mathematics 141-142 prepare students for studying mathematics in business courses and subsequent graduate studies. Further, Mathematics 141-142 provide critical skills for study in other business areas.

"Foreign Language — Students must complete the intermediate sequence of a foreign language or demonstrate proficiency in one foreign language. Students whose native language is not English may meet this requirement by passing English 131 and 132 and by taking two English language literature courses taught by the English Department at the 200 level.

Students may or may not continue the Foreign Language begun in high school or enter a new area.

"Course load taken in other than the intermediate level may be treated as nonbusiness electives. Students, whose native language is not English, may meet this requirement by passing English 131 and 132 and by passing two English language literature courses taught by the English Department at the 200 level.

"History — Any two-course sequence from courses numbered 100-109, 110-119, 200-299.

American Studies 107, 108; History 245, 246, 248, 249; Latin-American Studies 251, 252; Medical Studies 253 (30); International Students who have not taken U.S. History in high school may fulfill this requirement with a U.S. History Survey. Students whose native language is not English may meet this requirement by passing English 131 and 132 and by taking two English language literature courses taught by the English Department at the 200 level.

Foreign Language — Students must complete the intermediate sequence of a foreign language or demonstrate proficiency in one foreign language. Students whose native language is not English may meet this requirement by passing English 131 and 132 and by taking two English language literature courses taught by the English Department at the 200 level.

"Social Science — Students must complete 12-12.5 hours of Social Science, which may be combined with English literature courses. See section on degree requirements for more information.

"Arts Elective

"International Business

"Elective

"Arts Elective

"International Business

"Elective

"Arts Elective

"International Business

"Elective

Total: 126 hours

ACCOUNTING AND BUSINESS LAW

Professors:

K.G. Stanga (Head) and Arthur Anderson Professor of Accounting, Ph.D., Louisiana State University; CPA, M.S. Tennessee; CPA; N.E. Dill, (Emeritus), Ph.D., C.P.A. State, CPA; E.D. Fisher, L.L.M. George Washington University; H.C. Harris, J.D., M.S., University of Alabama; CPA, J.E. Kiger (Wrenn L. Slager Professor of Accounting, Ph.D., Ohio State University, CPA, S.C. Palma (Distinguished Professor of Business and Accounting), Ph.D., Oklahoma State University, CPA; H.P. Roth, Ph.D., Virginia Polytechnic Institute, CPA, CMA; J.R. Williams (Emeritt & Young Professor of Accounting, Ph.D., University of Texas, CPA).

Associate Professors:

D. Murphy, Ph.D., North Carolina, CPA; I.A. Posey (Emeritus), M.S. Tennessee; CPA, CMA; A.W. Ray, Ph.D., Virginia Polytechnic Institute, W.L. Sliger (Emeritus), M.S. Tennessee, CPA; R.L. Toussaint, Ph.D., Texas, CPA.

Assistant Professors:

S. Ayen, Ph.D., Arizona State, CPA; B.K. Bell, Ph.D., Arizona State, CPA; P.J.V. Carlock, Ph.D., Georgia State, CPA, CMA, K.B. Hallocher, Ph.D., Oklahoma, M.D.; F. LeBlang (Emeritus), M.S. Tennessee, CPA.

Distinguished Lecturer:

S.B. Wolfe (Emeritus), B.S. Virginia Polytechnic.

Lecturers:


The Accounting Program at UTC has established itself as one of the nation's top accounting schools. Modern society demands much from professional accountants. They are responsible for preparing and analyzing financial data and for conducting in many specialized areas such as tax planning and compliance, auditing (assuring and verifying financial records), information systems, and management advisory services.

After completing the core requirements for a freshman admission (including courses in statistics, economics, marketing, finance, business law, and management), the accounting major is prepared for careers in financial and managerial accounting. The student then completes advanced work in specialized areas such as tax, auditing, and systems. The use of computers in accounting is also stressed.

UTC's Accounting Programs are accredited by the American Assembly of Collegiate Schools of Business and are among the initial programs in the nation to receive this accreditation.

Since 1993, the state of Tennessee has required anyone wishing to take the Uniform Certified Public Accountant (CPA) Examination to complete 150 semester hours of study. Therefore, students are encouraged to continue their formal education in UTC's one-year Master of Accountancy program.

HOURS 128

Total: 128 hours

Junior

Marketing 301 3
Finance 302 3
Management 301 3
Accounting 301 3

Senior

Management 401 3
Accounting 414 3
Accounting 431 3
Accounting 432 3

Total: 128 hours

**FINANCE**

- **J.W. Waltersley** (Heid and Clayton Chair of Excellence), Ph.D. South Carolina; H.A. Black (Arms F. Smith Professor), Ph.D. Ohio State; T.P. Behrens, Ph.D. Washington (St. Louis); K.W. Bomer (laucius); J. B. Bower, Ph.D. Stanford; D. C. Collins, Ph.D. Pennsylvania; R. J. Nelson (Emeritus), Ph.D. Harvard; D. M. Neale (Emeritus), Ph.D. Florida State; G. A. Spiva, Jr. (Emeritus), Ph.D. Texas.

**Economics Electives** - Students may select any upper division Economics course.

- **Written Communications** - One course from: English 285, 395, 450.
- **Ethics** - One course from: Philosophy 242, 342, or 344.
- **Finance Electives** - Three or four courses from the courses listed below: Economic 242, 343, 347, 471, 482, 490, 491, 492, 493, 494, 495, 496.
- **General Business Elective** - One course from: Finance 301, 303 or 305.

**MARKETING**


**Written Communications** - One course from: English 235, 295, 395, 450.

**Economics Electives** - Students may select any upper division Economics course.

**International Business** - The international course requirement may be satisfied by taking either Business Administration 511 or 481 or by an international course in a concentration area such as Management 471, Logistics and Transportation 441, Economics 303, or Marketing 401.

**Arts** - One course from the courses listed below: Act 170, 171, 181, 191, 273, 360, English 235, 295, 395, 481, 491, 492, 493, 494, 495, 496; Business Administration 311 or 313 or 315 or 317 or 319.

**Ethics** - One course from: Philosophy 242, 342, or 344.

**General Business**

The General Business Program offers a broader education that allows students to gain in-depth knowledge of a particular area of business while retaining an overall perspective. After completing the core requirements for a business degree, General Business majors complete twenty-four additional hours in concentration division business courses. The wide range of business and arts and science courses required by the curriculum provides a solid base knowledge well suited for entry-level positions in many organizations. Graduates of the General Business program begin their careers as management trainees in sales, banking, insurance, and marketing. The curriculum is also ideal for students interested in pre-law, specifically in corporate law.

**FINANCE**

**M. N. Murray** (Head), Ph.D. Syracuse; J.A. Gauger, Ph.D. (Retired State); S. Goolitl, Ph.D. (Retired Stanford); J.R. Kahn, Ph.D. (Retired Maryland).

**Assistant Professors:**

- G. A. Spiva, Jr. (Emeritus), Ph.D. Texas.

**Associate Professors:**

- A. L. Axier, Ph.D. Iowa; M. C. Collins, Ph.D. Nebraska.

**Professors:**

- J.W. Waltersley (Heid and Clayton Chair of Excellence), Ph.D. South Carolina; H.A. Black (Arms F. Smith Professor), Ph.D. Ohio State; T.P. Behrens, Ph.D. Washington (St. Louis); K.W. Bomer (laucius); J. B. Bower, Ph.D. Stanford; D. C. Collins, Ph.D. Pennsylvania; R. J. Nelson (Emeritus), Ph.D. Harvard; D. M. Neale (Emeritus), Ph.D. Florida State; G. A. Spiva, Jr. (Emeritus), Ph.D. Texas.

The finance major gives students the flexibility to tailor their programs to fit their particular career goals and to prepare for (one or more) of the following speciality areas:

- **Accounting** - Preparation for careers in financial management.
- **Banking** - Preparation for careers in financial management.
- **Corporate Finance** - Preparation for careers in financial management.
- **Investments** - Preparation for careers in financial management.
- **Risk Management** - Preparation for careers in financial management.

**Arts** - One course from the courses listed below: Act 170, 171, 181, 191, 273, 360, English 235, 295, 395, 481, 491, 492, 493, 494, 495, 496; Business Administration 311 or 313 or 315 or 317 or 319.

**Ethics** - One course from: Philosophy 242, 342, or 344.

**General Business Electives** - One course from: Finance 301, 303 or 305.

**Written Communications** - One course from: English 235, 295, 395, 450.

**Economics Electives** - Students may select any upper division Economics course.

**International Business** - The international course requirement may be satisfied by taking either Business Administration 511 or 481 or by an international course in a concentration area such as Management 471, Logistics and Transportation 441, Economics 303, or Marketing 401.

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**Ethics** - One course from: Philosophy 242, 342, or 344.

**Written Communications** - One course from: English 235, 295, 395, 450.
Junior available to management majors in employment, training, and recruiting. In addition, the core courses in accounting, economics, and business strategy. Building on that foundation and the core concepts in accounting, economics, marketing, and finance, the management major service one of the following four areas of emphasis: General Management, Operations Management, Human Resource Management, or International Management.

Career opportunities include staff positions in production planning, inventory management, employment, training, and recruiting. In addition, line management positions in all types of industries, such as manufacturing, retailing, banking, transportation, and hospitality are all industries, such as manufacturing, retailing, and process, human behavior in organizations, and the core courses in accounting, economics, marketing, and finance. The management major service one of the following four areas of emphasis: General Management, Operations Management, Human Resource Management, or International Management.

The internationally recognized logistics and transportation program at UTK is currently regarded as one of the most comprehensive and contemporary programs in the nation. The program has attained such recognition through its integration of one of the country’s most highly regarded faculties, combined with a fundamental yet innovative curriculum. Logistics refers to the movement of raw materials and component parts into and within a business firm and to the distribution of finished goods and services to customers. Because housing products and/or services in the right place at the right time is critical for success in any business, logistics is an important element in any firm’s comprehensive marketing strategy. A career in logistics offers students the opportunity to make a significant contribution to economic effectiveness in this area. Transportation refers to the physical movement of goods between two geographic points.

**MARKETING, LOGISTICS, AND TRANSPORTATION**

**LOGISTICS AND TRANSPORTATION**

**Professors:**
- P.W. Davis, Jr., Ph.D., Michigan State; G.N. Olear, D.B.A., Indiana; J.L. Fyfe (Emeritus);
- Ph.D., Florida Atlantic; J. Langley, J., Ph.D., Pennsylvania State.

**Instructor:**
- M.A. Moon, Ph.D., Pennsylvania State.

**Assistant Professor:**
- D.W. Schumann (Head), Ph.D., Massachusetts, D.C. Madison, R.C. Richardson, Ph.D., Cornell; J.O. Rentz, Ph.D., Georgia.

**MARKETING**

**Professors:**
- D.W. Schumann (Head), Ph.D., Massachusetts; D.C. Madison, R.C. Richardson, Ph.D., Cornell; J.O. Rentz, Ph.D., Georgia.

**Assistant Professor:**
- M.A. Moon, Ph.D., North Carolina (Chapel Hill).

**Instructor:**
- D.I. Thorpe, Ph.D., Tennessee.

Students interested in transportation will typically accept employment with a carrier (motor, rail, water, and air) or with the logistics and transportation department of a business that purchases transportation services from carriers.
It is beneficial for students interested in a marketing career to include courses in accounting, business law, economics, finance, logistics and transportation, management, and statistics, as well as a broad array of courses in arts and sciences, in their educational backgrounds. In particular, courses in the social sciences provide students with the background for understanding the forces that shape consumer preferences.

**Hours Credit**

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<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Marketing 311</strong></td>
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<td><strong>Finance 301</strong></td>
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<td><strong>Logistics and Transportation 301</strong></td>
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<td><strong>Economics 471, 472</strong></td>
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<td><strong>Political Science 411</strong></td>
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<td><strong>Ethics</strong></td>
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<td><strong>Business Law 451</strong></td>
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<td><strong>Senior</strong></td>
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<td><strong>Economics 452, 453</strong></td>
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<td><strong>Senior</strong></td>
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<td><strong>Senior</strong></td>
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<td><strong>Written Communications</strong></td>
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</tbody>
</table>

Total: 126 hours
## College of Communications

**Dwight L. Teeple, Jr., Dean**

**Kelly Lester, Dean Emeritus**

**Herbert H. Howard, Associate Dean for Undergraduate Studies**

**Gail Palmer, Coordinator of Advising**

Communications media are a vital force in today's complex society. As a result, programs in the College of Communications acquaint students with the communications process and prepare them for professional work in many fields.

The College includes the School of Journalism and the Departments of Advertising, Broadcasting, and Speech Communication.

### Program Details

- **Core Areas:**
  - Overview/Survey
  - Writing
  - Theory and Research
  - Free Speech, Law and Ethics
  - Each department designates a course (or courses) to fulfill each of the five majors.

### SATISFACTORY/NO CREDIT OPTION

This option applies only to general elective courses with the exception of field experience courses. No course that is part of the specific requirements of the College of Communications or a student's major department can be taken under this option. For example, social sciences and humanities electives required by the various departments cannot be taken S/NC. Courses evaluated as "satisfactory" will count as hours toward graduation but not for calculating the grade point average. A student who wishes to take a S/NC course must indicate this at the time of registration. Under no circumstances may a student change from S/NC to regular credit or from regular credit to S/NC after the deadline for adding courses.

### MINORS

A minor in Broadcasting consists of 18 hours as follows: Communications 100, Broadcasting 310 or 320, Broadcasting 275, and Broadcasting electives (any three courses).

A minor in Journalism consists of 18 hours from the following: Journalism 200, Communications 400, plus 12 hours in journalism approved by the School of Journalism minor advisor.

A minor in Speech Communication consists of Speech Communication 100 plus 18 additional hours of Speech Communication courses, at least 15 of which must be at the 300 level and above, Speech Communication 445, 491, 492, 493 may not be included toward requirements for the minor.

A minor in Communications consists of a total of 18 hours as follows: Communications 100 or Speech Communication 100, Advertising 250, Broadcasting 275, Journalism 200, Public Relations 210, or Speech Communication 261, and four additional upper-division courses in advertising, broadcasting, communications, journalism, public relations or speech communication.

### HONORS PROGRAM IN SPEECH COMMUNICATION

The Speech Communication Department offers an honors program that provides an intensive educational experience designed to assure the participating student a superior and challenging undergraduate education. Speech Communication 107, the Honors version of Introduction to Speech Communication, is open to students with a 3.5 or higher cumulative GPA and who have a 3.0 or higher cumulative high school GPA and an ACT composite score of 27 or better. Majors who are prospective juniors and have a 3.25 or higher cumulative GPA in the major are eligible to apply for admission to the Speech Communication Honors Program. Application forms are available in the department office. To graduate with honors, students must meet all requirements for the Speech Communication major and must complete 391 (Honors Seminar) during the junior year and 497-498 (Senior Honors Thesis) during the senior year. The GPA requirement for admission to the program must be maintained, and the grade in 498 must be B or higher.

<table>
<thead>
<tr>
<th>CORE AREAS</th>
<th>OVERVIEW/SURVEY</th>
<th>WRITING</th>
<th>THEORY AND RESEARCH</th>
<th>FREE SPEECH, LAW AND ETHICS</th>
<th>EACH DEPARTMENT DESIGNATES A COURSE (OR COURSES) TO FULFILL EACH OF THE FIVE MAJORS</th>
</tr>
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</tr>
<tr>
<td>MINORS</td>
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</tr>
<tr>
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</tr>
</tbody>
</table>

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### Undergraduate Studies

- **Graduate Studies and Research**
  - Programs available.
  - Undergraduate Education.

### CURRICULA

- **Overview/Survey**
  - Writing
  - Theory and Research
  - Free Speech, Law and Ethics

- **Each department designates a course (or courses) to fulfill each of the five majors.**

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### HONORS PROGRAM IN SPEECH COMMUNICATION

- **Eligibility:**
  - Majors who are prospective juniors and have a 3.25 or higher cumulative GPA in the major are eligible to apply for admission to the Speech Communication Honors Program. Application forms are available in the department office.

### REQUIREMENTS FOR ALL CURRICULA

- **Undergraduate/Graduate Studies**
  - Programs available.
  - Undergraduate Education.

### OPTIONS

- **Satisfactory/No Credit**
  - Applies only to general elective courses.
  - No course part of specific requirements can be taken S/NC.

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### MINORS

- **Broadcasting**
  - A minor in Broadcasting consists of 18 hours as follows: Communications 100, Broadcasting 310 or 320, Broadcasting 275, and Broadcasting electives (any three courses).

- **Journalism**
  - A minor in Journalism consists of 18 hours from the following: Journalism 200, Communications 400, plus 12 hours in journalism approved by the School of Journalism minor advisor.

- **Speech Communication**
  - A minor in Speech Communication consists of Speech Communication 100 plus 18 additional hours of Speech Communication courses, at least 15 of which must be at the 300 level and above, Speech Communication 445, 491, 492, 493 may not be included toward requirements for the minor.

- **Communications**
  - A minor in Communications consists of a total of 18 hours as follows: Communications 100 or Speech Communication 100, Advertising 250, Broadcasting 275, Journalism 200, Public Relations 210, or Speech Communication 261, and four additional upper-division courses in advertising, broadcasting, communications, journalism, public relations or speech communication.
TRANSFER STUDENTS

Students from other colleges within the University are eligible to progress to a major in the College of Communications as soon as they complete at least 30 hours of prescribed coursework with a 2.5 cumulative GPA. Students who do not progress to a major by the time they have accumulated 80 credit hours will be dismissed from the College. Students must achieve a cumulative grade point average of at least 2.0 in all College of Communications courses used to fulfill graduation requirements. During their last 30 credit hours prior to graduation, all students must have been accepted as majors in the College.

GRADUATE

Consult the Graduate Catalog for listing of graduate level courses.

ADVERTISING

Professors:
Rosanne Howland, Ph.D. (Illinois); Ronald E. Taylor (Head), Ph.D. (Illinois).

Associate Professors:
J. Eric Healey, Ph.D. (Georgia); Maria G. Hoy, Ph.D. (Ohio State).

Assistant Professors:
Margaret Morrison, Ph.D. (Georgia); Niranjani Ram, M.H.J.; Xue Li, Ph.D. (China).

Emeritus Professor:
Richard Joel, M.A. (Wisconsin).

Freshman

Hours Credit

English 101, 102 ................................................. 6

English 110 .................................................. 3

Foreign Language ................................. 6

Communications 100 or Speech 180 ......................... 6

Psychology 110 .............................................. 3

Political Science .............................................. 3

Mathematics Electives ............................. 6

Economics Electives ......................... 6

Sophomores

Political Science 101 ........................................ 3

Broadcasting 275 ........................................ 3

Broadcasting 310 or 330 ........................................ 3

History 242 .............................................. 6

Economics 201 .............................................. 4

English Literature ................................. 6

Speech 210 or 240 ........................................ 3

Computer Science 108 ........................................ 1
Social Science Elective........................................................................3
Speech Communication 440......................................................3
Marketing 301 ................................................................................3
Public Relations 370 ......................................................................3
Junior
Foreign Language or General Electives..................6
Economics 201 ...............................................................................4
History 241, 242 ...........................................................................6
Journalism 203 .................................................................................3
°Mathematics Electives.........................................................6
Humanities Elective.........................................................................3
Natural Science Electives are any two classes from:
Six hours of intermediate foreign language is required.
°Speech electives: six hours must be in 400-level courses.
°Upper-level General Education Elective.............3
Major: Speech Communication 100 with a goal of C or higher, one course in qualitative analysis (e.g., Speech Communication 295), Math 115, Statistics 201, or the equivalent, and a GPA of not less than 2.0 is prerequisite to a major which consists of 311, 550, 251, 281, 491, 492, and one course from each of the following two categories: (1) 210, 270, or 289, 280, 320, or 330. An additional 12 hours in Speech Communication courses are required, six of which must be in 400-level courses. No more than three hours from Speech Communication 445, 491, 492, 493 may be counted toward the major. Students should inquire in the Department Office for information and recommended advisories. Students who wish to drop a major in Speech Communication courses before 2.25 or whose GPA in all courses below 2.0 will be warned that the next semester's grades do not improve to those minimum levels, the student will be dropped as a Speech Communication major. Students who subsequently raise the overall GPA to at least 2.0 and the GPA in Communication courses to at least 2.25 may reapply for admission to the major.
Minor: Speech Communication 100 is prerequisite to a minor which consists of 16 additional hours of Speech Communication courses at least 12 of which must be at the 300 level or above. Speech Communication 445, 491, 492, 493 may not be included toward requirements for the minor.
Honors Program: The Speech Communication Honors Program provides an intense educational experience that is designed to attract the participating student a superior and challenging undergraduate education. The program brings together dedicated and able students whose scholarly attainments in the University are exceptional.

Speech Communication 107, the Honors version of Introduction to Speech Communication, is open to students with a 3.0 or higher cumulative GPA and to entering freshmen with a 3.5 or higher cumulative high school GPA and/or ACT composite scores of 27 or better. Majors who are prospective juniors and who have a 3.5 or higher cumulative GPA at the time of admission into the program are eligible to apply for admission to the Speech Communication Honors Program. Application forms are available in the Department Office. To graduate with Honors, students must meet all requirements for the Speech Communication major and must complete 397 (minor Seminars) during the junior year and 480-486 (Senior Honors Thesis) during the senior year. The GPA requirements for admission to the program must be maintained, and the grade in 400 must be B or higher.

Speech Communication

Professor: Faye D. Julkin, Ph.D., Tennessee

Associate Professors: John W. Hasek (Head), Ph.D., Kent State; Robert W. Glenn, Ph.D., Northwes.

Assistant Professors: Robert G. Ambror, Ph.D., Ohio State; Charles H. Harter, Ph.D., South Florida; Michelle T. Volient, Ph.D., Indiana.


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The College of Education prepares teachers, school administrators, pupil personnel specialists, and other professionals for non-school settings. At the undergraduate level, teacher education remains a major function of the College even though students are now required to complete one year of post-baccalaureate level work before qualifying for a teacher license. Prior to the establishment of the College of Education in 1926, courses for teachers were first taught in 1903. Since that time, the College has increasingly fulfilled its responsibility to prepare competent preservice graduates, as well as to provide professional growth experiences for in-service educators.

The College of Education’s approximate 100 faculty reside in 11 academic units. The College’s Office of Teacher Education and Licensure coordinates educational licensure programs throughout the College of Education and collaborates with other colleges within the University where professional educators are prepared (see Collaborative Programs section).

In addition, the Office of Teacher Education has been responsible for overseeing a series of teacher education reforms which include increased admission standards, strengthened general education, restructured professional education, and the creation of student/faculty mentoring teams. In addition to teacher education programs, the College of Education has several teacher education majors at the undergraduate level. These include: Exercise Science, Human Services, and Sport Management. Exercise Science graduates go on to programs in physical therapy, cardiac rehabilitation, and biomechanics, and are employed in fitness, outpatient rehabilitative, and athletic-training settings. The College of Education hosts membership in the American Association of Colleges of Teacher Education. Furthermore, all school licensure and school-related degree programs are fully accredited by the National Council for Accreditation of Teacher Education, the Southern Association of Colleges and Schools, and the Tennessee State Department of Education. All degree programs which prepare non-school based professionals are accredited by the Southern Association of Colleges and Schools.

The College of Education is committed to performing three major functions: (1) to provide professional preparation for teachers, administrators, and school service personnel and non-school based professionals at the undergraduate and graduate levels; (2) to collaborate with school personnel, educational agencies, community agencies, professional groups, and others interested in the evaluation and improvement of educational opportunities, programs, and services; and (3) to conduct investigations which are designed to improve professional education and enhance student learning. In performing these functions, it is believed that students should attain a broad cultural background in the arts and sciences, demonstrate mastery of professional knowledge and skills, and have a thorough knowledge of their content field. Through a carefully planned program of combined academic and field experiences, the prospective professional acquires a depth and breadth of knowledge and understanding which is superior to that of the typical college graduate in cultural and citizenship appreciation as well as in professional and scholarly accomplishment.

The Claxton Education Building, Claxton Addition, and Health, Physical Education, and Recreation Building are functional facilities which are designed for the education of teachers and other professionals. These buildings include science laboratories, seminar rooms, the Instructional Services Center, the Reading Center, the Curriculum Laboratory, the Computer Laboratory, the Educational Research and Service, and as well as a number of interest centers.

COLLABORATIVE PROGRAMS

Faculty members of the College of Education collaborate with faculty in the colleges cited below in preparing teachers and educational specialists. Students interested in pursuing teacher or educational specialist licensure in these fields earn their baccalaureate degrees from the colleges cited and complete licensure requirements at the conclusion of either the fourth or fifth academic year, depending upon program requirements. Students are referred to the offices indicated below and to Steps IV of the licensure requirements cited in this section of the catalog for further information.

College of Agriculture Sciences and Natural Resources, Agriculture Education, Agriculture and Extension Education – 201 Morgan Hall.
College of Arts and Sciences, Art Education – Art Department Art & Architecture Building – 1719 Volunteer Boulevard.
College of Education – Speech and Hearing Education – Audiology and Speech Pathology Department 457 South Stadium Hall.
College of Social Work, Social Worker – College of Social Work S221 Horness Hall.

PROGRESSION TOWARD DEGREE COMPLETION AND/OR LICENSURE IN TEACHING FIELDS

Progress toward completion of a degree and/or licensure in the teaching field requires acceptance to the Teacher Education Program by a board of admissions. The admissions process begins at the time of matriculation to UT Knoxville, whether the applicant enters as a freshman, or transfer student.

Community college students who anticipate transferring to the College should contact the Education Advising Center, 214 Claxton Addition.
STEP I: ADMISSION TO TEACHER EDUCATION

MINIMUM REQUIREMENTS

Applicants will be evaluated by a board of admissions upon attainment of the following minimum requirements:

(1) Academic Achievement: Applicants will be required to earn a minimum 2.7 graduate cumulative GPA (2.5 GPA in Agriculture Education, the following programs may have different standards and students should consult the respective program director for details): Business/Marketing Education, Home Economics Education, Trade and Industry Education, and Music Education). GPA computations, which include transfer credits, will be made at the time other requirements, listed below, are completed but not before the completion of at least 75 hours of academic work for the following fields: Business/Marketing Education, English Education, Foreign Language Education, Vocational Education, Social Science Education, or Science Education, 45 semester hours for Elementary Education, and 45 semester hours for all other fields. Any professional education course, taken either before or after admission, must be passed with a minimum semester grade of "C"; otherwise such a course must be repeated.

If this standard is not met: The applicant will be encouraged to retake the course before being granted a place in the Teacher Education Program. Any professional education course, taken either before or after admission, must be passed with a minimum semester grade of "C"; otherwise such a course must be repeated.

(2) FIELD STUDY: Each student’s performance in field study will be reviewed by the College faculty and school-based professionals.

(3) Conduct Record: Each applicant will be screened by the University’s Conduct Office. Applicants who have established records of inappropriate conduct will be evaluated by the College’s Teacher Education Standards Committee.

If this standard is not met: The applicant’s disposition will be determined by the Teacher Education Standards Committee.

BOARD OF ADMISSION

Applicants who successfully complete the minimal requirements will be interviewed by a board of admissions. Boards of admission will base admissions decisions on applicants’ academic qualifications, aptitude test scores, oral expression, written communication, and expressed interest in teaching.

ADMISSION DECISIONS

The College is committed to recruiting and preparing the strongest possible candidates for the teaching profession.

The admissions criteria summarized above are minimum expectations. Applicants should be aware that admission decisions are made by boards of admission and that selection is competitive, based upon available faculty resources and field placements.

Students must complete all basic skills test scores for the PRAXIS I: PPST until passed. Applicants who are denied admission to the specific teaching field of their choice are eligible to seek admission to other teaching fields. Some applicants may be required to complete the same program, view again with the same program following remediation.

Applicants who are admitted, thus, become eligible to enroll in a major program of Professional Education courses.

STEP II: PROGRAM PROGRESSION

Each student’s progress will be reviewed each semester following admission to the Teacher Education Program. The progression of each student in the Teacher Education Program will be made as to the student’s eligibility to advance to the next level of preparation.

Particular attention will be given to the following variables:

(1) Academic Achievement: The following minimum GPA’s have been established as guidelines for the period between admission to the Teacher Education Program and enrollment in student teaching or internship. (a) 2.7 undergraduate cumulative GPA (2.5 GPA in Agriculture Education, the following programs may have different standards and students should contact the respective program director for details): Business/Marketing Education, Home Economics Education, Vocational Education, and Music Education), (b) 2.5 GPA in professional education courses (i.e., grades of "D" and "F" must be repeated).

(2) Classification as a senior-level student (i.e., hours passed for student teachers and a baccalaureate degree in teaching or teaching internship: (a) 2.7 undergraduate cumulative GPA (2.5 GPA in Agriculture Education, the following programs may have different standards and students should contact the respective program director for details): Business/Marketing Education, Home Economics Education, Vocational Education, and Music Education), (b) 2.5 GPA in major, and (c) 2.6 GPA in professional education courses (i.e., grades of "D" and "F" must be repeated).

(3) Students seeking admission to the following programs may have different standards and students should contact the respective program director for details): Business/Marketing Education, Home Economics Education, Vocational Education, and Music Education, Early Childhood Education, Home Economics Education, Technological Education, and Trades and Industry Education, and Music Education; and (d) 2.8 GPA in professional education courses.

(4) Classification as a senior-level student (i.e., hours passed for student teachers and a baccalaureate degree in teaching or teaching internship: (a) 2.7 undergraduate cumulative GPA (2.5 GPA in Agriculture Education, the following programs may have different standards and students should contact the respective program director for details): Business/Marketing Education, Home Economics Education, Vocational Education, and Music Education, Early Childhood Education, Home Economics Education, Technological Education, and Trades and Industry Education, and Music Education; and (d) 2.8 GPA in professional education courses.

It is important to note that letter grades of "D" and "F" in professional education courses must be repeated.

(2) Field Study: Each student’s performance in field study will be reviewed by College faculty and school-based professionals.

Students whose progress is judged inadequate will be required to either repeat courses, participate in remediation workshops, or change to a more appropriate major.

To facilitate communication and proper guidance, all students will be assigned to a mentoring team consisting of appropriate College faculty.

STEP III: PROGRESSION TO STUDENT TEACHING OR INTERNSHIP

Students seeking authorization to enroll in student teaching or internship must apply at least one calendar year prior to the term of intended internship. Moving application to enroll in the internship may occur prior to admission to the Teacher Education Program. Students who choose to delay their enrollment in the internship program are only guaranteed a new placement if they inform the Office of School Based Experiences and their program faculty member at least one calendar year prior to the term of intended internship.

The following are the general prerequisites for student teaching or internship. Prerequisites for specific program areas (e.g., Art Education, Elementary Education) are available in the Office of Field Studies or from academic advisors.

(1) Academic Achievement: Applicants who have established records of inappropriate conduct will be evaluated by the College’s Teacher Education Standards Committee.

(2) Completion of field studies required in the program curriculum.

(3) Classification as a senior-level student (i.e., student teachers and a baccalaureate degree in teaching or teaching internship: (a) 2.7 undergraduate cumulative GPA (2.5 GPA in Agriculture Education, the following programs may have different standards and students should contact the respective program director for details): Business/Marketing Education, Home Economics Education, Vocational Education, and Music Education), (b) 2.5 GPA in major, and (c) 2.6 GPA in professional education courses (i.e., grades of "D" and "F" must be repeated).

(4) Possession of the following minimum grade point averages: (a) 2.7 undergraduate cumulative GPA (2.5 GPA in Agriculture Education, the following programs may have different standards and students should contact the respective program director for details): Business/Marketing Education, Home Economics Education, Vocational Education, and Music Education; and (d) 2.5 GPA in major, and (c) 2.6 GPA in professional education courses (i.e., grades of "D" and "F" must be repeated).

(5) Recommendation by the student’s faculty mentoring team to enroll in student teaching or internship.

In addition, any record established by the student’s faculty mentoring team and Student Conduct Office will be reviewed by the Teacher Education Standards Committee.

Students should note that the most important criterion in placing student teachers or interns in the public schools is the potential value of the placement to the student’s professional development. Therefore, the College cannot guarantee the students’ preferences regarding specific placements to the Teacher Education Program. Student teaching or internship is evaluated on a satisfactory/unsatisfactory basis.
STEP IV: LICENSURE

Students must attain the following minimum requirements to qualify for the College's recommendation for licensure:

1. Academic and professional achievement.
2. Satisfactory academic progress.
3. Completion of all required coursework.

Additional academic requirements include:

- attainment of the following minimum levels of academic achievement in the following courses: (i) 2.5 undergraduate cumulative GPA and specific teaching field (major) courses, and (ii) 3.0 GPA in professional education courses ("C" and "F" grades must be repeated).
- completion of specific coursework.

Applicants for initial licensure must be recommended by the appropriate teacher education institution.

PROGRESSION TOWARD DEGREE COMPLETION IN NON-TEACHING FIELDS

EXERCISE SCIENCE

PROGRESSION

The Sport Management Program is committed to recruiting and preparing the strongest possible candidates for the sport management profession. The admissions criteria outlined above are minimum expectations. Applicants should be aware that admission decisions are made by the Board of Review and that selection is competitive, based upon individual qualifications and expressed interest in sport management.

Admission Requirements

The Sport Management Program is committed to recruiting and preparing the strongest possible candidates for the sport management profession. The admission criteria outlined above are minimum expectations. Applicants should be aware that admission decisions are made by the Board of Review and that selection is competitive, based upon individual qualifications and expressed interest in sport management.

HUMAN SERVICES

The standards which must be met for progression and retention in Human Services are professional in nature, as well as academic. The program prepares students for entry into service professions. Students who wish to pursue a major in Human Services must earn a grade of "C" or higher in the introductory course before progressing to upper division work in the major.

Students whose average for courses taken in the major falls below 2.5 must Regal the required minimum average by the end of the subsequent semester in order to remain in the major. A Board of Review will meet once each semester to interview students who wish to progress into the major, and to review the work of students who are not meeting the academic and professional standards of the program. Students who wish to do so may ask to be interviewed while taking the introductory course, and if they meet the standards for progression will be allowed to progress upon completion of that course with a "C" or higher. Students who in the judgment of the members of the Board are not meeting the professional standards of the program will not be retained in the major. Applications for Fall/Spring semester must be submitted at the beginning of the preceding Spring semester, and students who fail to meet the standards for professional conduct during the course of their field work will not be retained in the major. (Note that any decision affecting progression or retention may be appealed to the Board of Review. The Board of Review will meet periodically through the semester to review applications. The Board of Admissions will base admissions decisions upon academic qualifications, oral and written communication, and expressed interest in sport management. Admission Decisions

The Sport Management Program is committed to recruiting and preparing the strongest possible candidates for the sport management profession. The admissions criteria outlined above are minimum expectations. Applicants should be aware that admission decisions are made by the Board of Review and that selection is competitive, based upon individual qualifications and expressed interest in sport management.

MINORS

TEACHING MINORS

Students interested in a minor in Dance or Sport Management are referred to the College of Education's Curriculum section for additional information.
Satisfactory/No Credit Courses

Teacher Education students may include a maximum of 20 semester hours in non-teacher education courses taken at another college or university. These courses may be used as electives. These courses may also be used to substitute for lower division (100/200 level) courses or for lower departmental requirements. A written petition for substitution must be submitted to the appropriate college administrator for approval and for filing in the Records Office. The petition should first be reviewed by the student’s advisor and student and approved by the respective college’s Associate Dean for Undergraduate Studies, 214 Claxton Addition. Approved petitions are forwarded to the Office of the Associate Dean for Undergraduate Studies, 202 Claxton Addition. Approval and for filing in the Records Office. A substitution request should first be made to the student’s advisor and student. If the advisor and student agree that the substitution is an appropriate one, the substitution request form should be submitted to the Office of the Associate Dean for Undergraduate Studies, 202 Claxton Addition. Approved petitions are forwarded to the Dean of Admissions for final approval and for filing in the Records Office.

Counselor Education and Counseling Psychology

Professors: J.T. DeSena (Leader), Ed.D., North Carolina (Greensboro); Clinton B. Altman, Ph.D., Oklahoma; Avani Makin, Ed.D., Columbus; Jean Prov., Ed.D., Alabama; W.J. Morgan, Ph.D., Minnesota; C.A. Winters, Ph.D., Michigan; Richard Wladarski, Ed.D., Wayne State

Assistant Professor: Cynthia Fleming, Ph.D., Duke

Cultural Studies in Education

Professors: T.J. DeSena (Leader), Ed.D., North Carolina (Greensboro); Clinton B. Altman, Ph.D., Oklahoma; Avani Makin, Ed.D., Columbus; Jean Prov., Ed.D., Alabama; W.J. Morgan, Ph.D., Minnesota; C.A. Winters, Ph.D., Michigan; Richard Wladarski, Ed.D., Wayne State

Assistant Professor: Hendrik K. Wright, Ph.D., Toronto

Education in the Sciences, Mathematics, Research, and Technology

Professors: M. Everett Meyer (Leader), Ph.D., Florida; William J. Butts (Emeritus), Ed.D., Texas Tech; Donald J. Dussault, Ph.D., Maryville; E. Dale Dye, Ed.D., Columbus; Russell L. Frasier, Ph.D., Ohio; Ohio State: Henry Frenkenthal, Ph.D., Illinois; Theodore Hipple, Ph.D., Illinois; Lorraine D. Montgomery, Ed.D., Indiana; John R. Ray, Ed.D., Tennessee; C.E. Rosse, Ph.D., Ohio State

Assistant Professors: Mary Jane Connery, Ed.D., VPI; A.D. Giant, Ph.D., Wisconsin; Cassandra Meyer, Ph.D., Ohio State

Assistant Professor: Susan Mettlen, Ph.D., Missouri

Adjunct Assistant Professors: Mary Ann Blank, Ed.D., Tennessee; Judy Boster, Ph.D., Tennessee; Mard Craig, Ph.D., Tennessee; Al Hasen, Ed.D., Tennessee; Julie Littler-Mccoll, Ed.D., Tennessee; Mike Wissalid, Ph.D., Tennessee; Sharon Yarborough, Ph.D., Tennessee

Exercise Science

Professors: W.P. Liebmann (Leader), Ph.D., Iowa; E.T. Howery, Ph.D., Wisconsin; A.J. Koraz (University Professor), Ph.D., Michigan; T.C. Narramore, M.D., Washington (D.C.); E.L. Rockefeller, Ph.D., Brown; H. Welch (Emeritus), Ph.D., Florida

Associate Professor: D.R. Basiati, Ph.D., Wisconsin

Assistant Professors: J.L. Lewis (Emeritus), Ed.D. Tennessee; Greg Mathew, M.D. (Adjunct Synchronous University); D.L. Thompson, Ph.D., Virginia; S. Zhang, Ph.D., Oregon.

Holistic Teaching/Learning


Assistant Professors: Sherry Ball (Adjunct), Ph.D., Tennessee; Charles A. Chance, Ph.D., Ohio State; Michael C. Hannan, Ed.D., Northern Colorado

Assistant Professor: Colleen Clift, Ph.D., University of Illinois; Dorothy A. Hendricks, Ph.D., Alabama

Inclusive Early Childhood Education

Professors: Susan M. Biris (Leader), Ed.D., Columbia; Ketel J. Blank, Ph.D., Ohio State; Lawrence J. Coleman, Ph.D., Kent State; Ameo J. Hath, Ph.D., Florida

Assistant Professor: Lynn C. Cagle, Ed.D., Georgia

Assistant Professor: Sharon J. Judge, Ph.D., California (Santa Barbara)

Language, Communication, and Humanities Education

Professors: P. Davis-Wiley (Leader), Ed.D., Houston; M.A. Christiansen (Emeritus), Ph.D., Kansas; H.H. Hull, Ed.S., George Peabody; J.P. Watkins (Emeritus), M.S. Tennessee

Associate Professor: R.L. Hodge, Ph.D., Texas; T.K. Ryan (Emeritus), Ed.D., Ball State

Leadership Studies in Education

Professors: Grady Boggs, Ed.D, Memphis State; Lloyd D. Davis (Adjunct), Ed.D., Tennessee; W. Lee Hurrle, Ed.D., Miami University (Oxford); L. Urban Theological Seminary; Robbie Kendall-Melton, Ph.D., Michigan; Malcolm McKinnon, Ph.D., Florida State; Norma T. Mertz, Ed.D., Columbia; Gerald C. Ubben, Ph.D., Minnesota

Associate Professors: Jeffrey P. Aper (Lacrosse), Ph.D., VPI; Jenny W. Atkins (Adjunct), Ph.D., Ohio State; Francine M. Gross (Adjunct), Ed.D., Tennessee
PHYSIOEDUCATIONAL STUDIES


Associate Professor: L.M. Kindall, Ed.D. Tennessee, Knoxville

Assistant Professor: Dianne Whitaker, Ph.D. Washington


Adjunct Instructor: D. Thomas, M.S.

CURRICULA

ART EDUCATION

Students seeking licensure to teach art in the schools pursue the Bachelor of Fine Arts Degree in Studio Art in the College of Arts and Sciences and will complete a major in Art Education at the undergraduate level. The following is the undergraduate major in Art Education: The following courses are taken during the post baccalaureate, Professional Year:


hours may be taken to complete the Master's Degree.

NOTE: Teacher licensure is granted upon successful completion of the Professional Year: 12 additional hours may be taken to complete the Master's Degree. For details, see the Graduate Catalog.

DANCE MINOR

Core Courses

Hours Credit

Dance 460 .................................................................3
Dance 490 .................................................................3

OPTION I: PERFORMANCE

Dance 310* or 290 ...............................................................1
Select from Dance 310*, 320*, 390*, 490, 410*,
420**, 430*, 470** ..........................................................10
Dance 440 .................................................................2
Dance 440 .................................................................2

OPTION II: PEDAGOGY

Select from Dance 310*, 320*, 390*, 410*, 420*, 430* ..........................................................6
Dance 410 .................................................................2
Dance 440 .................................................................2
Dance 450 .................................................................3

Total 21 hours

*Course may be repeated for up to 2 credit hours.
**Course may be repeated for up to 16 credit hours.

EXERCISE SCIENCE

Freshman

Exercise Science 100 ...............................................................1
English 101, 102 ...............................................................2
Mathematics 103-105 or 141-143 or 151-152 ...............................................................6-4
Chemistry 105, 106 ...............................................................2
Psychology 110 ...............................................................3
Humanities electives ............................................................3

Sophomore

Physical science 221, 232 ...............................................................2
ECON 250 ...............................................................3
Nutrition 100 or 300 ...............................................................2
Health 300 ...............................................................3
Sociology 271, 240 or 270 ...............................................................3
Sociology electives .............................................................3

Junior

Foreign Language, Multicultural, or Integrative electives ...............................................................3

Seniors

Proficiency in two activities ...............................................................3
Selected Exercise Science 320, 332, 350 ...............................................................2
Cultural Studies in Education 301, 311 or 312 ...............................................................2
Computer Science 105 ...............................................................3
Social Science electives .............................................................3
History electives .................................................................3
Professional electives .............................................................6

Graduate

Selected Exercise Science 441, 414, 422, 420 ...............................................................3
Health 436 or Nursing 436 ...............................................................2
English 365 ...............................................................3
Library and Information Science 486 ...............................................................3
Professional electives .............................................................3

Additional Hours Credit

Total: 127-129 hours

*Proficiency in at least four activities, Proficiency passing an activity course with a minimum grade of "]" or participation in an intercollegiate varsity sport.
**SECONDARY EDUCATION**

Students interested in becoming secondary school teachers earn a BA or BS degree in the College of Arts and Sciences (e.g., English, mathematics, etc.). While completing requirements for the baccalaureate degree, students are encouraged to take a minor in Secondary Education.

### Hours Credit

**Elective**

**Human Services**
- Human Services 400 ................................................. 2
- Psycho Ed Studies 460 ............................................. 3
- English 360 ............................................................... 3
- Human Services 380, 390 ........................................ 6
- Sociology Elective..................................................... 3
- Interdisciplinary/Cultural Studies............................... 6
- Psychology Elective.................................................. 3
- Information Science 330 ........................................ 3
- Physical Education Activity or Recreation Therapy elective 1-2
- Senior
- Intensive Elementary Education 410, 449, 472, 475
- Education in the Sciences, Mathematics, Research and Technology 480
- Education 400, 401
- Holistic Teaching/Learning 402

Undergraduate Total: 124-127 hours

The following courses are taken during the post-baccalaureate, Professional Year:

- Education in the Sciences, Mathematics, Research, and Technology 495, 496

Graduate Total: 24 hours

**SPECIAL EDUCATION: E arly Childhood Special Education Concentration**

**Hours Credit**

**Freshman**
- English 101, 102 or 103 ............................................. 6
- Mathematics electives ................................................ 6
- History electives....................................................... 6
- Psychology electives.................................................. 6
- Electives.................................................................... 3

**Sophomore**
- Psychology 330, 332, 335, 336
- Psychology 340, 341, 342, 343
- Education in the Sciences, Mathematics, Research and Technology 495, 496
- Education in the Sciences, Mathematics, Research and Technology 495, 496

**Junior**
- Education Elective.................................................... 3
- Electives.................................................................... 3

**Senior**
- Electives.................................................................... 3

Note: Teacher licensure is granted at the successful completion of the Professional Year; additional hours may be taken to complete the Master's Degree. For details, see the Graduate Catalog.

### Hours Credit

**Freshman**
- English 101, 102 or 103 ............................................. 6
- Mathematics electives ................................................ 6
- History electives....................................................... 6
- Psychology electives.................................................. 6
- Electives.................................................................... 3

**Sophomore**
- History 251, 252 ........................................................ 6
- Political Science or Economics elective.................... 3
- Introduction to Research and Statistics 210
- Health 308 or 309 ...................................................... 2
- Holistic Teaching/Learning 402
- Education 400, 401
- Educational Methods (see advisor)........................... 6
- Electives.................................................................... 3

**Senior**
- Electives.................................................................... 3

### Graduation Total

- 24 hours
### SPECIAL EDUCATION: MODIFIED AND COMPREHENSIVE CONCENTRATION

**Freshman**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101, 102</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Art, Music, or Theatre elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Anthropology 150 or 250</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language, Multicultural, or Integrative</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Science elective</td>
<td>3-4</td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education Activity or Recreation</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Therapy elective</td>
<td>1-2</td>
<td>1-2</td>
</tr>
<tr>
<td>Human Services 100, 200, or 300</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Natural Science elective</td>
<td>3-4</td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education Activity or Recreation</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Therapy elective</td>
<td>1-2</td>
<td>1-2</td>
</tr>
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</table>

**Sophomore**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics 110-115 or 123-125 or 201-202</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Speed 210, 280, or 240</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Literature elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Human Services 200, 300, or 500</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Psychology (Required Studies) 210</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>History 201, 280 or 240</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Biological Sciences elective</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Science elective</td>
<td>3-4</td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education Activity or Recreation</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Therapy elective</td>
<td>1-2</td>
<td>1-2</td>
</tr>
<tr>
<td>Philosophy/Religious Studies 345</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Political Science or Economics elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Psychology elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Health 301</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Hoddes Teaching/Learning 310, 920</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Education 450, 460</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language, Multicultural, or Integrative</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Education in the Sciences, Mathematics, Research, and Technology 446</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Senior Education elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Hoddes Teaching/Learning 419, 420, 431, 432</td>
<td>3</td>
<td>3-4</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

**Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education Activity or Recreation</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Therapy elective</td>
<td>1-2</td>
<td>1-2</td>
</tr>
</tbody>
</table>

**Undergraduate Total:** 125-129 hours

**Graduate Total:** 24 hours

The following courses are taken during the post-baccalaureate, Professional Year:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 574, 575</td>
<td>14</td>
<td>16</td>
</tr>
<tr>
<td>Hoddes Teaching/Learning 531, 931</td>
<td>10</td>
<td>12</td>
</tr>
</tbody>
</table>

**Graduate Total:** 24 hours

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### SPORT MANAGEMENT

The Sport Management major is an interdisciplinary major sponsored by the Sport and Physical Activity Unit of the College of Education and the Recreation, Tourism Management Program in the College of Human Ecology. This program is designed for students interested in working in the sport industry. The program combines Leisure Studies and Sport Studies, with a minor in Business Administration and includes a semester-long internship experience.

**Hours Credit**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman English 101, 102</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Communication 100 or Journalism 201</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education Activity or Recreation</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Therapy elective</td>
<td>1-2</td>
<td>1-2</td>
</tr>
<tr>
<td>Social Science 100, 200, or 300</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Economic History</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>History Electives</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Sport Management Electives</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Recreation, Tourism Management 410</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Business Electives</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Sport Management 415 or Recreation, Tourism Management 440</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Sport Management 490</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Select 9 hours of upper division business electives</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

**Undergraduate Total:** 125-129 hours

**Graduate Total:** 24 hours

- Practicum courses in Sport Management are required prior to enrolling in internship.
- Select 6 hours of upper division business electives.
- See your advisor.

Admission to and retention in the Sport Management Major is contingent upon achieving and maintaining a 2.5 GPA.

**SPORT MANAGEMENT MINOR**

**Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sport Management 440</td>
<td>3</td>
</tr>
<tr>
<td>Sport Management 450</td>
<td>3</td>
</tr>
<tr>
<td>Sport Management 460</td>
<td>3</td>
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<tr>
<td>Sport Management 470</td>
<td>3</td>
</tr>
<tr>
<td>Sport Management 480</td>
<td>3</td>
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<tr>
<td>Sport Management 640 or 650</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total:** 18 hours
College of Engineering

Jersey E. Stonerking, Dean
Fred T. Gilliam, Associate Dean, Academic Affairs
Fred D. Tompkins, Associate Dean, Administration
Jeff Rintar, Director, Engineering Development
Walter N. Odom, Director, Cooperative Engineering Program
James T. Phipps, Director, Minority Engineering Program
Chalalshier D. Runsho, Director, Freshman Engineering Advising Center

COOPERATIVE ENGINEERING PROGRAM

This five-year Cooperative Engineering Program (Co-op) is offered in order to provide an augmented engineering education that includes significant experience in industry as well as superior academic preparation. Our Cooperative Engineering Program was established in 1926. The University of Tennessee was one of the early pioneers in this valuable type of education.

Co-op work assignments differ from part-time or summer employment in that they involve regularly scheduled cycles of full-time academic terms alternating with full-time work periods, resulting in planned, career-related work terms of progressively increasing responsibility. In introducing the student to engineering employment, the college and industry join together to offer a broader and richer preparation for postgraduate employment than can be provided by a conventional academic program. This experience in an industrial and professional environment contributes to the students' maturity, enhances professionalism, offers an opportunity to apply engineering course work in a real-world setting, and enables the student to define more clearly educational and career interests and objectives. All positions are paid positions, and most students are able to offset a substantial amount of their college expenses with Co-op earnings.

The Cooperative Engineering Program, 118 Perkins Hall, University of Tennessee, Knoxville, TN 37996-2012. You may also contact the Co-op office via e-mail at coop@engr.utk.edu or via the program homepage at http://www.engr.utk.edu/co-op/
INTRODUCTION

The United States, like most countries throughout the world, can no longer thrive economically with only a domestic market for its goods and services. To compete in this global marketplace, engineers must understand how to design and manufacture products for world-wide use. The College of Engineering works with several organizations, both on- and off-campus, to enable interested students to participate in significant engineering experiences abroad. Students interested in making an international experience part of their engineering education should begin exploring opportunities and develop plans during the freshman year. Language preparation to a level of substantial proficiency may be required. Thus, language preparation should be started immediately. Further information on international engineering educational programs, contact the UT Center for International Education, 1620 Melrose Ave.

GRADUATE PROGRAM

Graduate programs leading to the degree of Master's Science are offered in all areas of study, and the degree of Doctor of Philosophy is offered in major subject areas: aerospace engineering, chemical engineering, civil engineering, electrical engineering, engineering science, mechanical engineering, metallurgical engineering, nuclear engineering, and polymer engineering. Information concerning graduate programs is given in the Graduate Catalog.

CURRICULA IN ENGINEERING

NATIONAL ACCREDITATION

Since 1936, engineering programs at institutions of higher learning that have been accredited by an organization formed by many engineering societies and known as the Accreditation Board for Engineering and Technology (ABET). Accredited engineering programs at UT Knoxville include aerospace, computer, civil, electrical, engineering science, industrial, mechanical, materials science, and nuclear. Co-op programs in the above areas are also accredited.

DESIGNATION OF A MINOR

An engineering undergraduate may declare a minor in any subject area of any department and have the minor listed on the permanent record under the following conditions:

1. Minors must be officially approved and described in the UT Knoxville catalog. No unofficial minors will be recognized. Minor exist in Aerospace Engineering, Environmental Engineering, Materials Science and Engineering, Architecture and Business Administration, and in numerous departments in Agriculture and Animal Sciences.

2. Courses taken to satisfy the minor may also be used to satisfy engineering major requirements, provided that the courses would be a part of engineering degree requirements even if no minor were declared. Completion of a minor often involves the taking of some courses which cannot be used to satisfy the minor requirement for an engineering degree.

3. A minor must be declared at the student's major department office when beginning work on a minor. The intention to complete a minor must be declared at the time of application for the degree if the minor is to appear on the final transcript. Degree applications are handled by the UT Knoxville Records Office.

ADVISING

New freshman students are assigned to the Engineering Fundamentals Division for academic advising and career counseling until they have completed their freshman curriculum. Final year students admitted to the College of Engineering are not required to designate their field of study until the end of their freshman year. At that time, students select the program of their choice. As well graduates, students are strongly advised to find a faculty advisor in their selected department.

COURSE LOAD

The maximum number of hours which can be taken by an undergraduate student without special permission is 19. The Division of Academic Affairs reserves the right to permit less than 19 hours or more than 19 hours in any given term, in this case the student is graduate performance at UT Knoxville.

LATE DROP REQUESTS

Late drop requests, which may be approved for reasons other than academic difficulties, are handled by the Office of Academic Affairs. For other procedures refer to "Changes in Registration" in the general section of this catalog.

GENERAL REQUIREMENTS

Students are advised to fulfill the University's degree requirements as stated in the front section of this catalog as well as departmental requirements.

Transfer Students.

Transfer students, including internal UT Knoxville transfer students, must meet the minimum requirements stated below in order to be considered for admission to a major within the College of Engineering.

1. Must have earned a minimum 2.00 cumulative average over these specific courses, or their equivalent: English 101, 102; Chemistry 101, 102; Math 141, 142.

2. The overall record will be evaluated for quality and work load. In addition, an excessive number of withdrawals, incompletes, repeated courses, or failures may result in denial.

Any UT Knoxville student desiring association with one of the departments of the College of Engineering should go to the departmental office for the desired major. An interview with the department head or his/her designated representative is highly recommended. Any UT Knoxville student desiring association with one of the departments of the College of Engineering should go to the departmental office for the desired major. An interview with the department head or his/her designated representative is highly recommended.

Transfer Credit.

Transfer credit will be considered for courses taken at another college or university if the course content was the same as at UT Knoxville. Transfer credits will be transferred only if the course is recommended by the major department of the student. If accepted, the transfer credit will be transferred and recorded on a transfer transcript. Transfer courses must be taken with a grade of 'C' or better. Transfer credit must be transferred in the semester in which the course was taken. Transfer credits must be transferred in the semester in which the course was taken.

A course not on the approved list must be approved by the student's advisor, department head, and the Associate Dean for Academic Affairs before it can be accepted at UT Knoxville.

Correspondence Courses.

A student desiring to take some correspondence courses may be approved to do so. However, correspondence courses in general are not acceptable as part of the minimum degree requirements. Correspondence credit will be awarded in such cases only when the student shows a high potential for academic success in correspondence studies.

Satisfactory/No Credit Courses.

Engineering majors may take half of the minimum hours required in engineering courses on a satisfactory/no credit basis. However, the student should consult with the appropriate advisor before registering for a satisfactory/no credit course.

GRADUATE PROGRAM

The United States, like most countries throughout the world, can no longer thrive economically with only a domestic market for its goods and services. To compete in this global marketplace, engineers must understand how to design and manufacture products for world-wide use. The College of Engineering works with several organizations, both on- and off-campus, to enable interested students to participate in significant engineering experiences abroad. Students interested in making an international experience part of their engineering education should begin exploring opportunities and develop plans during the freshman year. Language preparation to a level of substantial proficiency may be required. Thus, language preparation should be started immediately. Further information on international engineering educational programs, contact the UT Center for International Education, 1620 Melrose Ave.
American History Requirement. Engineering students, regardless of national origin, must fulfill the American history requirement described elsewhere in this catalog. Those students who have not had the required year of American history in high school may choose the required six semester hours from the Department of History. These hours may be counted as part of the required block of humanities and social science electives.

Technical Electives. Technical electives are to be selected with the advice and approval of the student's major department. In some of the curricula the tabulations of electives include only approved electives. However, the student should be aware that the program of study may be altered by the student to suit his or her needs, provided that the courses selected are acceptable to the major department. An Engineering student taking a non-engineering course must have the approval of the major department and make the change in advance of the course in question.

Preparations for Engineering Practice. Engineering students, regardless of national origin, must fulfill the American history requirement described elsewhere in this catalog. Those students who have not had the required year of American history in high school may choose the required six semester hours from the Department of History. These hours may be counted as part of the required block of humanities and social science electives.

The Voluntary ROTC Program. Engineering students may participate in the ROTC Program. Advanced ROTC courses (300 and 400 series) may be counted as technical elective credit toward an engineering degree up to a total of six (6) semester hours. Normally, Military Science courses cannot be used as humanities/social science electives. Individual departmental or the appropriate substitutions. Approval of Electives and Substitutions. Each Engineering program of study will be subject to the time limitations described elsewhere in this catalog, and only those courses which do not meet these requirements, but which should be a part of the student's education at UTK, may be considered as part of the student's education at UTK, may be considered as part of the student's education at UTK.
work with an overall GPA of at least 2.4. This is to departmental Upper-Division courses is made when the student performs satisfactorily in upper-division courses by attaining a minimum GPA of 2.0 in at least 9 hours of 200 and 300 level required courses specified by the department. Further progression to upper-division courses is dependent upon this minimum level of performance. Any student with an overall GPA below 2.0 will not be admitted to the University Chemical Engineering Department. Students who have not been admitted to an Upper-Division Status will be dropped from departmental class rolls. Transfer students at the Upper-Division level are admitted on a Provisional Status basis only.

**GRADUATE STUDY PROGRAM**

Graduate programs leading to the degrees of Master of Science and Doctor of Philosophy in Chemical Engineering are offered. The University's Graduate School operates a Resident Assistant Professors: Tiry (Emeritus), B.S. Marquette University; Jackson, Ph.D., P.E., Oregon State; M. Tiry (Emeritus), B.S. Marquette University; Jackson, Ph.D., P.E., Oregon State; M.

**CIVIL AND ENVIRONMENTAL ENGINEERING**

**HONORS PROGRAM**

The honors program encourages highly motivated students to obtain a superior chemical engineering education and a more rigorous preparation in the discipline. Admission is selective. Sophomores who think they may want to be in the honors program are strongly urged to take CHE 207 in place of CHE 200. Application to the honors program is made when the student applies for upper division status. Honors requirements are the same as for honors seminars (CHE 407 and 408), CHE 417, one of CHE 467 or 468, and CHE 485 as a technical elective and Chem 483 as a chemistry option. Students interested in the honors program should consult the department's honors coordinator.

**PROGRESSION TO UPPER-DIVISION**

Progression of chemical engineering students to departmental Upper-Division courses is competitive and is based on capacity. Factors considered include overall grade point average, performance in selected lower-division courses and evidence of satisfactory and orderly progress through the prescribed curriculum.

**Upper-Division Status**

A Lower-Division student may apply for progression to Upper-Division Status after completing 22 semester hours of Lower-Division engineering curriculum course work with an overall GPA of at least 2.4. This must include Chemical Engineering 200.

**Provisional Status**

Students who have completed 55 semester hours of Lower-Division engineering curriculum course work with an overall GPA between 2.0 and 2.4 may apply for provisional status. The granting of Provisional Upper-Division Status is based on the availability of space in the departmental programs after Upper-Division Status students have been accommodated. Provisional students are required to demonstrate their abilities to perform satisfactorily in upper-division courses by attaining a minimum GPA of 2.0 in at least 9 hours of 200 and 300 level required courses specified by the department. Further progression to upper-division courses is dependent upon this minimum level of performance. Any student with an overall GPA below 2.0 will not be admitted to the University Chemical Engineering Department. Students who have not been admitted to an Upper-Division Status will be dropped from departmental class rolls. Transfer students at the Upper-Division level are admitted on a Provisional Status basis only.

**CIVIL AND ENVIRONMENTAL ENGINEERING**

**HONORS PROGRAM**

The honors program encourages highly motivated students to obtain a superior chemical engineering education and a more rigorous preparation in the discipline. Admission is selective. Sophomores who think they may want to be in the honors program are strongly urged to take CHE 207 in place of CHE 200. Application to the honors program is made when the student applies for upper division status. Honors requirements are the same as for honors seminars (CHE 407 and 408), CHE 417, one of CHE 467 or 468, and CHE 485 as a technical elective and Chem 483 as a chemistry option. Students interested in the honors program should consult the department's honors coordinator.

**PROGRESSION TO UPPER-DIVISION**

Progression of chemical engineering students to departmental Upper-Division courses is competitive and is based on capacity. Factors considered include overall grade point average, performance in selected lower-division courses and evidence of satisfactory and orderly progress through the prescribed curriculum.

**Upper-Division Status**

A Lower-Division student may apply for progression to Upper-Division Status after completing 22 semester hours of Lower-Division engineering curriculum course work with an overall GPA of at least 2.4. This must include Chemical Engineering 200.

**Provisional Status**

Students who have completed 55 semester hours of Lower-Division engineering curriculum course work with an overall GPA between 2.0 and 2.4 may apply for provisional status. The granting of Provisional Upper-Division Status is based on the availability of space in the departmental programs after Upper-Division Status students have been accommodated. Provisional students are required to demonstrate their abilities to perform satisfactorily in upper-division courses by attaining a minimum GPA of 2.0 in at least 9 hours of 200 and 300 level required courses specified by the department. Further progression to upper-division courses is dependent upon this minimum level of performance. Any student with an overall GPA below 2.0 will not be admitted to the University Chemical Engineering Department. Students who have not been admitted to an Upper-Division Status will be dropped from departmental class rolls. Transfer students at the Upper-Division level are admitted on a Provisional Status basis only.

**GRADUATE STUDY PROGRAM**

Graduate programs leading to the degrees of Master of Science and Doctor of Philosophy in Chemical Engineering are offered. The University's Graduate School operates a Resident Advisor Program. Students are asked to file their intent to complete Master's and Doctoral degrees in Chemical Engineering with the office of the Departmental Advisor. The Graduate Program offers courses in all areas of chemical engineering, including biotechnology, environmental engineering, and materials science. Students are required to complete a cumulative grade point average of at least 2.00 in all civil and environmental engineering courses taken at The University of Tennessee, Knoxville, and used to satisfy the graduation requirements. More than 6 hours of civil and environmental engineering courses in which a D is the highest grade earned may be counted toward graduation.

**ELECTIVES**

Electives are chosen to meet student career objectives and program accreditation requirements. Students must consult with their advisor and have their electives pre-approved. A student must have a GPA of 2.75 or higher and approval of the instructor to take 500-level courses for undergraduate credit.

**ENVIRONMENTAL ENGINEERING MINOR**

The College of Engineering offers a Minor in Environmental Engineering to those undergraduate students whose academic history provides the prerequisites for the courses required by the minor. The Minor requires the completion of a minimum of 21 credits in course work that provide a broad view of the environmental engineering perspective. Some of the courses used in the Minor may also satisfy a requirement in a Major. Students are advised that the first professional degree in environmental engineering at The University of Tennessee, Knoxville is the M.S. in Environmental Engineering which builds on the Minor.

**Required: Chemistry 350**

**Choose One:**

**Chemical Engineering:**

**Required:**

**Chem 360**

**Chemical Engineering:**

**Fundamentals:**

**AE 243**

**Material & Energy Flow in Bio Systems:**

**CE 390**

**Water & Wastewater Treatment:**

**CE 386**

**Water Quality Control:**

**GE 210**

**Chemical Engineering:**

**Environmental Engineering:**

**PH 203**

**Environmental Engineering:**

**Choose One:**

**CE 485**

**Hydrogeology:**

**PSE 220**

**Maternal and Environmental Health:**

**CE 425**

**Air & Waste Management:**

**ADVISORY**

Students are asked to file their intent to complete the requirements for the B.S. in Civil and Environmental Engineering, 223 Perkins Hall. The student's home department...
BACHELOR OF SCIENCE PROGRAM

Programs in civil engineering and environmental engineering leading to the degrees of Bachelor of Science or Bachelor of Engineering are offered to graduates of recognized undergraduate curricula.

The general requirements for the masters degree are stated in the Graduate Catalog.

DOCTORAL PROGRAM

Graduate work leading to the degree of Doctor of Philosophy with a major in civil engineering is offered. Major fields of study include environmental engineering, geotechnical materials, structural engineering, transportation, and water resources.

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ELECTRICAL ENGINEERING

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The general requirements for the masters degree are stated in the Graduate Catalog.

DOCTORAL PROGRAM

Graduate work leading to the degree of Doctor of Philosophy with a major in civil engineering is offered. Major fields of study include environmental engineering, geotechnical materials, structural engineering, transportation, and water resources.

The general requirements for the doctoral degree are stated in the Graduate Catalog.
The undergraduate curriculum in industrial engineering provides a strong background in both fundamental engineering principles and the analytic methods necessary for solving the multi-disciplinary problems associated with the production, maintenance, and delivery of goods and services. In particular, this curriculum emphasizes the knowledge and skills necessary to design integrated systems of people, materials, equipment, and energy wherever they are found, such that the overall system functions at an optimal level and such that the results of the human components of the system are adequately realigned.

This curriculum, which is built upon a strong background in mathematics and statistics, includes fundamental core coursework in all the engineering sciences, introductory economics and accounting, training in fundamental human factors which influence engineering design, the economic analysis of alternative design choices, quality control techniques, manufacturing processes and materials, production and inventory system design and control, material handling systems and facilities design, the mathematical modeling and simulation of complex systems, and the design and instillation of information acquisition and control systems. The technical and non-technical electives further allow the student to specialize in an area(s) which meets particular needs.

The solid, broad base in engineering, combined with training in applying engineering methodology to traditionally non-engineering problem areas as provided through the industrial engineering curriculum, leads to participation by industrial engineers in an unlimited range of fields, including, among others, retail/distribution, banking, healthcare delivery, corporate management, municipal management, aerospace systems, computer science, statistics, or economics. The Ph.D with a major in Engineering Science, plus a 3-hour capstone project. This curriculum, which is built upon a strong background in mathematics, includes fundamental course work in all the technical areas which meet particular needs.

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Graduation in materials science and engineering requires a minimum grade point average of 2.00 for all departmental courses.

The Bachelor of Science in Industrial Engineering provides a broad base in engineering, combined with training in applying engineering methodology to traditionally non-engineering problem areas as provided through the industrial engineering curriculum, leads to participation by industrial engineers in an unlimited range of fields, including, among others, retail/distribution, banking, healthcare delivery, corporate management, municipal management, aerospace systems, computer science, statistics, or economics. The Ph.D with a major in Engineering Science, plus a 3-hour capstone project.

Graduation in materials science and engineering requires a minimum grade point average of 2.00 for all departmental courses.

Progression to Upper-Division Programs

Progression of students to departmental Upper-Division courses is competitive. Factors considered include overall grade point average, performance in prerequisite courses, and evidence of satisfactory and orderly progression in the undergraduate program.

Upper-Division Status: A Low Division student formally applies for Upper-Division Status after completing 50 semester hours of Lower-Division engineering curriculum coursework with an overall GPA of at least 2.4. This must include Materials Science and Engineering 201.

Provisional Status: Students who have completed 50 semester hours of Lower-Division engineering coursework may be considered for upper-Division Status based on the availability of space in the departmental programs after Upper-Division Status students have been accommodated. Provisional students are required to demonstrate their ability to perform satisfactorily in upper-Division courses by earning a minimum GPA of 2.0 in at least 8 hours of 300-level required courses specified by the department. Further progression to upper-Division courses is dependent upon this minimum level of performance.

Transfer Students: At the Upper-Division level students are admitted on a Provisional Status basis only. Any student presenting more than 28 hours of Lower-Division engineering curriculum coursework by transfer credit is considered to be a Low Division student.

Minor in Materials Science & Engineering: A Minor in Materials Science and Engineering requires a minimum of 18 hours of lower-division engineering courses, including Materials Science and Engineering 201.

Graduation in materials science and engineering requires a minimum grade point average of 2.00 for all departmental courses.
A coursework program leading to a minor in aerospace engineering for students in other engineering degree programs is also offered.

Mechanical Engineering, a versatile and broadly based engineering discipline, has its foundation in the basic sciences and requires an understanding of such areas as applied mathematics, engineering science, and modern computational techniques. Thus they are prepared to participate directly into engineering practice at the baccalaureate level or to continue formal graduate study to resolve the complex engineering problems of the real world.

A major design project in the senior year builds upon this background in a capstone experience. An engineering degree program is also offered.

The Engineering Science degree program is a flexible course of study with elective options available to satisfy individual interests and career aspirations. The program provides an opportunity for an education with breadth in engineering science, mathematics, and physical or biological science. The curriculum is rigorous, non-traditional and interdisciplinary.

In addition to their selected area of specialty, students have the opportunity to develop special interests that cannot be accommodated in other traditional elective groupings. Selected interest elective groups available are biomedical engineering, engineering mathematics, computer science, engineering management, and medicine in such technical areas as the design of mechanical, development of electronic, and the application of the engineering sciences to further the basic understanding of biological systems. Qualified students may choose to use this program as a background for graduate study in engineering or the life sciences.

The program can include courses required for mechanical, aerospace and biomedical engineering, and the Bachelor of Science in engineering technology.

The B.S. degree is awarded in the senior year. The curriculum is rigorous, non-traditional and interdisciplinary. It is designed for students majoring in aerospace engineering who wish to use this program as a background for graduate study in engineering or the life sciences.

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Because of the large number of elective courses to be selected in the engineering...
to the University's graduation requirements. For all departmental courses taken at UT Knox-

prescribed curriculum and probable loss of courses. Failure to maintain these minimum
concurrent GPA of at least 2.0 in departmental courses will result in a review of the student's
level of performance. Students who have not been progressed to Upper Division Programs are expected to attain satisfactory grades in Upper Division courses by attaining a minimum GPA of 2.0 or at least 12 semester hours of 300 level of courses as specified by the department. Further admission to Upper Division courses is dependent upon this minimum level of performance.

Any student with an overall GPA below 2.0 will not be admitted to an Upper Division Pro-
gram. Students who have not been progressed to an Upper Division Program will be dropped from departmental class rolls.

Transfer Students: At the Upper Division level students are admitted on a Provisional Status basis only. Any student presenting more than 26 semester hours is considered a Transfer Student.

Loss of Status: Students who progress to Upper Division Programs are expected to maintain an overall GPA of at least 2.0 and a cumulative GPA of at least 2.0 in departmental courses. Failure to maintain these minimum levels of performance will result in a review of the overall progress of the student through the prescribed curriculum and probable loss of Full Status.

Department Graduation Requirements: A minimum cumulative grade point average of 2.0 for all departmental courses taken at UT Knoxville is required for graduation. This is in addition to the University's graduation requirements.

NUCLEAR ENGINEERING

PROFESSORS: H.L. Dodde (Head), Ph.D. Tennessee, P.E.; J.T. Mihalco (Part time), Ph.D. Tennessee; L.F. Miller, Ph.D. Texas A&M, P.E.; E.T. Shannon, Ph.D. Tennessee; R.E. Uting (Distinguished Professor), Ph.D. Iowa State, P.E.; B.R. Upadhyay, Ph.D. Columbia, P.E.


RESEARCH ASSISTANT PROFESSOR: J.W. Haines, Ph.D. Ohio State.

BACHELOR OF SCIENCE IN ENGINEERING

The undergraduate program has two con-

program, the quality of the learning experience is much more important than the speed with which the curricula are completed.

Questions about individual courses should be directed to the department responsible for the courses; questions about a particular curriculum should be directed to the major department.

Progressions. Before registering for any engineering course, a student should make cer-
tain that any necessary background work has been completed. In addition to specific prerequisites listed, it is assumed that a student taking sophomore engineering courses has completed all freshman courses, whether specified as prerequisites or not. When this is not the case, a student should seek advice from the advisor responsible for the course in question before registration so as to minimize the chances of academic difficulty. Students who do not have prerequisites satisfied for a course may not be directed to the department responsible for the curricula in which the curricula are completed.

FRESHMEN YEAR

The freshman year is common to all engi-
neering programs, except for engineering physics. (See curriculum display which follows.)

AEROSPACE ENGINEERING

PHYSICS

The A.B. degree is available in nuclear engineering. For details, see the Graduate Catalog.

ACADEMIC COMMON MARKET

An agreement among southern states for sharing academic programs among legal residents of some states to enroll in certain programs at UT Knoxville on an in-state tuition basis. The undergraduate program in Nuclear Engineering is recognized under an in-state tuition basis. The undergraduate program in Nuclear Engineering is recognized under an in-state tuition basis. The undergraduate program in Nuclear Engineering is recognized under an in-state tuition basis. The undergraduate program in Nuclear Engineering is recognized under an in-state tuition basis.
Humanities/Social Science Elective: minimum of 14 hours required.

CHEMICAL ENGINEERING

Sophomore
- Chemical Engineering 203, 240
- Chemical Engineering 240, 241
- Chemistry 270-280
- Mathematics 200, 201
- Physics 100, 101
- Psychology 110
- Sociology 110
- Technical Elective

Junior
- Chemical Engineering 240, 241, 242, 243
- Chemistry 240, 241
- Mathematics 200, 201, 202
- Physics 200, 201
- Psychology 110
- Sociology 110
- Technical Elective

Senior
- Chemical Engineering 240, 241, 242
- Chemical Engineering 300, 301
- Mathematics 200, 201
- Physics 200, 201
- Psychology 110
- Sociology 110
- Technical Elective

CIVIL ENGINEERING

Sophomore
- Civil Engineering 200, 201
- Civil Engineering 240, 241
- Chemistry 270-280
- Mathematics 200, 201
- Physics 100, 101
- Psychology 110
- Sociology 110
- Technical Elective

Junior
- Civil Engineering 240, 241, 242, 243
- Chemistry 240, 241
- Mathematics 200, 201, 202
- Physics 200, 201
- Psychology 110
- Sociology 110
- Technical Elective

Senior
- Civil Engineering 240, 241, 242
- Chemical Engineering 300, 301
- Mathematics 200, 201
- Physics 200, 201
- Psychology 110
- Sociology 110
- Technical Elective

Total: 133 hours

ELECTRICAL ENGGINEERING

Sophomore
- Electrical Engineering 202, 203
- Electrical Engineering 204, 205
- Mathematics 200, 201
- Physics 100, 101
- Psychology 110
- Sociology 110
- Technical Elective

Junior
- Electrical Engineering 202, 203, 204, 205
- Electrical Engineering 206, 207, 208, 209
- Mathematics 200, 201
- Physics 100, 101
- Psychology 110
- Sociology 110
- Technical Elective

Senior
- Electrical Engineering 202, 203, 204, 205
- Electrical Engineering 206, 207, 208, 209
- Mathematics 200, 201
- Physics 100, 101
- Psychology 110
- Sociology 110
- Technical Elective

Total: 136 hours

Total: 136 hours

All electives must be approved by the student's faculty advisor and the Department. Technical electives may include courses in mathematics, physics, and electrical and mechanical sciences, as well as courses in engineering.

ENGINEERING SCIENCE: BIOMEDICAL ENGINEERING CONCENTRATION

Sophomore
- Mathematics 200, 201
- Economics 102
- Physics 100, 101
- Technical Elective

Junior
- Mathematics 201
- Physics 200, 201
- Technical Elective

Senior
- Mathematics 202
- Physics 202, 203
- Technical Elective

Total: 138 hours

All electives must be approved by the student's faculty advisor and the Department. Technical electives may include courses in biology, chemistry, physics, and mathematics, as well as courses in engineering.

INDUSTRIAL ENGINEERING

Sophomore
- Mathematics 200, 201
- Physics 100, 101
- Engineering Science 200, 201
- Technical Elective

Junior
- Mathematics 201
- Physics 200, 201
- Technical Elective

Senior
- Mathematics 202
- Physics 202, 203
- Technical Elective

Total: 134 hours

All electives must be approved by the student's faculty advisor and the Department. Technical electives may include courses in mathematics, physics, and computer science, as well as courses in engineering.
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours Credit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Engineering</td>
<td>125</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>134</td>
<td></td>
</tr>
<tr>
<td>Nuclear Engineering</td>
<td>133</td>
<td></td>
</tr>
<tr>
<td>Materials Science</td>
<td>135</td>
<td></td>
</tr>
</tbody>
</table>

**MATERIALS SCIENCE AND ENGINEERING**

**Sophomore**
- Basic Engineering 201
- Materials Science and Engineering 201, 290
- Physics 231, 232
- Mathematics 200, 231, 241
- Chemical Engineering 203, 240
- Humanities/Social Science Electives

**Junior**
- Materials Science and Engineering 300, 305, 304, 332, 346, 403, 408
- Chemistry 473 or 500
- Electrical Engineering 301
- Engineering Science 301
- Humanities/Social Science electives

**Senior**
- Materials Science and Engineering 310, 401, 421, 491, 492
- Materials Science and Engineering elective
- Technical Elective
- Humanities/Social Science elective

**Technical Electives**
- Electrical Engineering 391, 344, 363, 366, 431, 472, 471, 472, 475, 494, 495, 499
- Selection of MSE electives must include a total of at least two credit hours of design content.

**MECHANICAL ENGINEERING**

**Sophomore**
- Mathematics 231, 241, 260
- Physics 231, 232
- Engineering Science 231, 321

**Junior**
- Mathematics 231, 232, 349, 399
- Mechanical Engineering 301, 302
- Engineering Science 341
- Mechanical Engineering 403 or 456
- Humanities/Social Science elective

**Senior**
- Nuclear Engineering 340, 434, 458, 431, 472
- Nuclear Engineering 321
- Industrial Engineering 435
- Humanities/Social Science electives

**Technical Electives**
- Technical Electives to be selected from ES 492, AE 431, IE 302
- Humanities/Social Science Elective

**Nuclear Engineering: Fission Systems Engineering Concentration**

**Sophomore**
- Mathematics 231, 232, 241
- Physics 231, 232
- Nuclear Engineering 201, 203, 202
- Nuclear Engineering 201
- Nuclear Engineering 201
- Aerospace Engineering 455

**Junior**
- Mathematics 231, 241
- Physics 341
- Nuclear Engineering 301, 304, 305, 351, 472
- Aerospace Engineering 321
- Industrial Engineering 435
- Humanities/Social Science electives

**Senior**
- Nuclear Engineering 403, 404, 405, 406, 471, 472
- Technical Electives
- Humanities/Social Science Elective

**Technical Electives**
- Technical Electives

**Nuclear Engineering: Radiological Engineering Concentration**

**Sophomore**
- Mathematics 231, 232, 241
- Physics 231, 232
- Nuclear Engineering 201, 203, 202
- Nuclear Engineering 201
- Aerospace Engineering 455

**Junior**
- Mathematics 433
- Physics 341
- Nuclear Engineering 201, 204, 305, 351, 472
- Biochemistry and Cellular and Molecular Biology 210
- Biochemistry and Cellular and Molecular Biology 210

**Senior**
- Nuclear Engineering 403
- Technical Electives
- Humanities/Social Science electives

**Technical Electives**
- Technical Electives

**Total: 134 hours**
UNDERGRADUATE STUDY IN HUMAN ECOLOGY

Curricula in the following majors lead to a Bachelor of Science degree in Human Ecology:
- Human Resource Development;
- Child Development;
- Community Health Education;
- Family Studies;
- Nutrition;
- Recreation and Tourism Management;
- Retailing and Consumer Sciences;
- The curricula in:
  - Hotel and Restaurant Administration leads to a Bachelor of Science in Hotel Restau-
    rant Administration.

COLLEGE POLICIES

Students working toward degrees must complete the last 30 hours of work (six atermes-

tas) at UT Knoxville, in a degree program within the College of Human Ecology. Forty-

eight hours must be earned in 300-400 level courses. Usual course loads of College majors

are 15-16 hours; course loads over 19 hours must be approved by the Dean’s Office at the
time of registration. Prospective transfer students are advised to plan a total college
program before starting any college-level work to achieve maximum use of credit and
sequence of course work.

The Satisfactory/No Credit option applies only to non-specified elective hours. No course

that is a part of the specific requirements of the student’s major can be taken under this option
unless the course is only offered S/NC. Specified electives required by the various departments
cannot be taken as S/NC. A student who

wishes to take a S/NC course must indicate this at the time of registration.

Students wishing to transfer to the College must have at least a 2.0 grade point average on

a 4.0 scale. Progression requirements for each program must also be met.

Students are assigned an advisor in the specific program area. New transfer students are

advised initially by the College Advising Center and then are assigned departmental
program advisors. Students meet with academic advisors each semester. These conferences
are designed to help students define choices to achieve academic success, identify career
challenges available, attain a balance between general education and professional studies;
and, identify problems and potential solutions early in the academic program.

All students in the College take CFS 220 - Marriage and Family: Roles and Relationships;
and Human Ecology 410 - Human Ecological Systems. These courses help students under-
stand the nature of the profession and its role in serving individuals and families in the environ-
ments in which they live and to integrate this knowledge into their areas of specialization.

PROGRESSION REQUIREMENTS

Most programs in the College have specific requirements for progression.

Child Development Major

For progression into the child development major, students must meet the following criteria:

STEP 1:
1. Earn a cumulative GPA of at least 2.3/4.0 (transfer hours included) for admission to
   CFS 220.

STEP 2:
1. Complete at least 30 semester hours (60 hours required for review in the Early Child-
   hood Education licensure program).
2. Attain a minimum grade of "C" in all required CFS courses and Education courses.
3. Earn a cumulative GPA of at least 2.3/4.0 (transfer hours included); cumulative GPA of
   2.7/4.0 required for admission to Teacher Education for students interested in Early
   Childhood Education licensure.
4. Successfully complete an interview, which includes evaluation of written and oral
   communication skills, with the Early Childhood Education Review Panel or the Board of
   Admissions in the College of Education during the first methods course CFS 350. (See
   Admissions Requirements under College of Education.)

For progression into Student Teaching, students must meet the following criteria:

1. Complete at least 30 semester hours.

2. Attain a cumulative GPA of at least 2.3/4.0 (transfer hours included).

3. Earn a cumulative GPA of at least 2.3/4.0 (transfer hours included); cumulative GPA of
   2.7/4.0 required for admission to Teacher Education for students interested in Early
   Childhood Education licensure.

4. Successfully complete an interview, which includes evaluation of written and oral
   communication skills, with the Early Childhood Education Review Panel or the Board of
   Admissions in the College of Education during the first methods course CFS 350. (See
   Admissions Requirements under College of Education.)

5. Successfully complete an interview, which includes evaluation of written and oral
   communication skills, with the Early Childhood Education Review Panel or the Board of
   Admissions in the College of Education during the first methods course CFS 350. (See
   Admissions Requirements under College of Education.)
PREPARATION FOR ADMISSION TO TEACHER EDUCATION

1. Students must fulfill the requirements for admission to the College of Human Ecology (See College of Education). Students must have a "C" or better in all courses identified above.

2. Minimum of a 2.3 overall GPA for progression into the major.

3. Students must have a cumulative GPA of 2.3 for credit hours attempted at UTK.

4. Completion of CFS 110, 211, 350 and 351. Students may earn a minor in one or more areas in this College or another college.

5. A minor in Community Health Education consists of 18 credit hours. Students must meet the following criteria:
   - Maintain a cumulative grade point average of 2.0 or greater.
   - A grade of "C" or better in all required RCS courses.

6. Completion of an application/interview with the participating department prefixes (3).

STUDENT FAMILIES MAJOR

1. Students must achieve an overall GPA of at least 2.34.0 in all courses required in HRA curriculum.

2. Students must achieve an overall GPA of at least 2.3 in CFS 345 or CFS 360.

3. Students must complete CFS 350 and 351. Students may earn a minor in one or more areas in this College or another college.

4. Students must meet the following criteria:
   - Maintain a cumulative grade point average of 2.0 or greater.
   - A grade of "C" or better in all required RCS courses.

SPORT MANAGEMENT

Students must meet admission and progression standards for the Sport Management major as described in the material for the College of Education.

OPTIONAL MINORS

With the approval of their advisor and the Dean, students may earn a minor in one or more areas in this College or another college. To earn a minor, students must satisfy the requirements prescribed by the department offering the minor (see above). In addition, at least one-half of the hours required must be completed at UT Knoxville and all courses must be taken for a letter grade unless otherwise specified. It is assumed that required courses will be taken and will not apply toward the major. The minor is recorded on the student's transcript without regard to overlap between major and minor course requirements.

Child and Family Studies

A minor in Child and Family Studies consists of 18 credit hours: 210 Human Development (3); 220 Marriage and Family Roles and Relationships (3); 320 Parent Education (3); 322 Diversity in Family, School, and Community; Family Diversity (3); 326 Family Stress (3); and 3 credit hours selected from 211 Development in Infancy and Early Childhood (3); 240 Human Sexuality (3); 345 Family Resource Management (3); 450 Family Diversity (3).

A minor in Child Development consists of 18 credit hours: 210 Human Development (3); 211 Development in Infancy and Early Childhood (3); 213 Development in Middle Childhood and Adolescence (3); 320 Parent Education (3); 325 Diversity in Family, School, and Community; Family Diversity (3); 326 Family Stress (3); 3 credit hours selected from 211 Development in Infancy and Early Childhood (3); 240 Human Sexuality (3); 345 Family Resource Management (3); 450 Family Diversity (3).

Gerontology:

An Interdisciplinary Undergraduate Gerontology Minor is coordinated through the College of Human Ecology Dean's Office. Participating programs include Adult Education, Audiology and Speech Pathology; Child and Family Studies; Counseling Education and Counseling Psychology; Health and Safety Sciences; Interior Design; Retail and Consumer Sciences; Social Work and Sociology. The minor requires twelve credit hours to complete.

For progression into the major, students must meet the following criteria:
   - Maintain a cumulative grade point average of 2.4 or greater.
   - A grade of "C" or better in all required RCS courses.

NURSING MAJORS

Students may apply for progression into the major at the completion of the CFS 110, 211, 350, and 351. Applications for progression are available in the departmental office.

For progression into the major, students must meet the following criteria:
   - Maintain a cumulative grade point average of 2.4 or greater.
   - A grade of "C" or better in all required RCS courses.

RECREATION AND TOURISM MANAGEMENT MAJOR

Students must achieve and maintain a minimum of a 2.3 overall GPA for progression into and retention in the major.

For progression into the major, students must meet the following criteria:
   - Maintain a cumulative grade point average of 2.0 or greater.
   - A grade of "C" or better in all required RCS courses.

RETAIL AND CONSUMER SCIENCES MAJOR

Students must achieve an overall GPA of at least 2.34.0 in all courses required in HRA curriculum.

For progression into the major, students must meet the following criteria:
   - Maintain a cumulative grade point average of 2.4 or greater.
   - A grade of "C" or better in all required RCS courses.

Congratulations to all students who have successfully completed the requirements for graduation. Students are encouraged to consult with their advisor and the College of Human Ecology Dean's Office to determine the appropriate time to apply for graduation.
early applied experiences, such as observation and participation, to a professional experience in work settings.

Retail and Consumer Sciences:
A minor in Retail and Consumer Sciences consists of 19 credit hours: 210 The Retail Environment (3), 211 Retail Buying (4), 410 Retail Management (3), and three of the following: 221 Cultural Diversity in the Marketplace (3), 350 Consumers in the Market (3), 411 Entrepreneurship and Small Business Management (3), 412 Direct Retail Selling (3), 415 Retail Promotion (3), 421 International Retail Environments (4), 500 Consumer Choice (3).

FAMILY CHILD AND HOME STUDIES


Associate Professors: J.E. Allen, Ph.D., Pennsylvania; J. Mila, Ph.D., Minnesota; D. Smith, Ph.D., Oklahoma State; D. D. Tegano, Ph.D., Virginia Tech.

Assistant Professors: C. Catton, Ed.D., Vanderbilt; M. Groves, Ph.D., Virginia Tech; L. Morris, Ph.D., Michigan.

The Department of Child and Family Studies has a dual mission for preparing both competent professionals and effective family members through an emphasis on the psychological aspects of challenges facing children and families in local communities and society.

Through a combination of classroom and field-based experiences, the department prepares undergraduate students for entry-level positions in child care occupations and for advanced education. The department offers two majors that could lead to teacher licensure or other careers focused on children and/or families. The largest career specialization is work in day care centers as teachers or directors. Students also are prepared as family life advisors in community agencies and as professional home economics educators in schools. Counseling, Child Development, and business.

When the curricula, undergraduate majors meet objectives: to enhance their foundation for leadership in the field of consumer education, and for most, to prepare to enter a specialized career field within the profession or graduate study. This course of study has been constructed to provide a series of educational experiences from broad survey courses to advanced courses of specialized knowledge and from early applied experiences such as observation and participation, to a professional experience in work settings.

Early Childhood Education Teacher Licensure
Students interested in meeting the requirements for Early Childhood Education licensure (PreK-3) in the State of Tennessee can complete the first four years of requirements by following the Child Development major with the appropriate modifications noted in footnote #1 below. Students are encouraged to determine their interest in licensure vary early in their college careers and to seek appropriate advising. Licensure examination is granted upon successful completion of the fifth year. (Professional year) 12 additional hours may be taken to complete the Master's degree. For details contact the Human Ecology Advancing Center or the Child and Family Studies Department.

CHILD DEVELOPMENT MAJOR
This major is designed to meet the educational needs of early childhood educators whose career plans focus on early childhood education. Closely related opportunities may be found in agencies delivering services to young children and their families, programs that include children with special needs, hospital programs directed to the particular needs of young children, and similar fields that recognize the developmental needs of children. This concentration is a good foundation for graduate study in the child area.

Freshmen

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Child and Family Studies 110</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
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<td>6</td>
</tr>
</tbody>
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Sophomore

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Child and Family Studies 211</th>
<th>English 101, 102</th>
<th>Humanities Elective</th>
<th>Mathematics 110, 119</th>
<th>Social Science Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>4</td>
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Junior

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Child and Family Studies 213, 350, 351</th>
<th>Humanities Elective</th>
<th>Natural Science Electives</th>
<th>Economics 110</th>
<th>Social Science Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>3</td>
<td>6</td>
<td>6</td>
<td>4</td>
<td>6</td>
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</tbody>
</table>

Senior

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Child and Family Studies 470</th>
<th>Child and Family Studies Electives</th>
<th>HRH 210</th>
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<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>6</td>
<td>9</td>
<td>3</td>
<td>6</td>
<td>4</td>
</tr>
</tbody>
</table>

Total: 125 hours

'Students preparing for Early Childhood Education licensure must take Biology 1, 2, 3, and 4; and one of the following science electives: Physics 110 as a social science elective. Speech 201 or 202, 401 or 402, 210, 401, and 402, which receive electives and all 310, CFS 393, 430, 440, 440, 452, and 452, and 400 of electives instead of six hours social science electives, CFS 210, and 4 hours of electives.

'Course area may be taken from the following categories: Literature, Speech and Oral Interpretation, and Appreciation, Philosophy, and the Arts.

'One of the following sequences is to be chosen:


- One semester of American History and one semester of another course with a history prefix.

'Select at least 3 hours from one of the following categories: mathematics, economics, psychology, sociology, geography or anthropology. Additional courses can be taken from applied fields such as nursing, social work, human services, and health.

'CFS Restricted electives: Students must select 9 semester hours of unrestricted electives. See advisor or Advancing Center for list of recommended electives.

FAMILY STUDIES MAJOR
The Family Studies major is designed for students whose educational and career goals are focused on studying and working with individuals and families within educational programs and community services. The major is designed to accommodate selectives and specializations of students and allows for flexibility and individualization. All students take a basic core with in-depth elective taking place within the pods selected by the student. The student may design a program in consultation with an advisor, making selections from the recommended pods, channeling the course of study in a particular direction so that students graduating with a Family Studies major will have depth in family knowledge, a broad integrative perspective and means for application.

A pod is basically coursework focusing on a concept that fosters learning to the study of family. Course work to support the concepts comes from many areas across the university. Pods are referred to as restricted electives within the curriculum description and will constitute a minimum of 36 credit hours for each student's program. Pods are: Adulthood and Aging, Business, Families and Youth at Risk, Family and Community Services, Family (Studies) Internship, Health and Wellness, Human Development, Instructional Programs, Life Management, Mass Media, Intercultural and Conflict Resolution Skills, Multicultural, Professional Development, Public Policy, Research, Teacher Education, Women and Families.

Students interested in seeking licensure to teach Vocational and Technical Education in grades 9-12 major in Family Studies plus a five-year professional internship.

Prerequisite course work to enter this fifth-year is specified and is available in the Human Ecology Advancing Center.

Freshmen

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>English 101, 102</th>
<th>Electives</th>
<th>Humanities Elective</th>
<th>Mathematics 110, 119</th>
<th>Social Science Electives</th>
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Sophomore

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Child and Family Studies 205, 215, 220, 240</th>
<th>Physics 110</th>
<th>Speech 201 or 202</th>
<th>Humanities Elective</th>
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<td>10</td>
<td>4</td>
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<td>6</td>
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Junior

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Child and Family Studies 260, 345</th>
<th>CFS 393</th>
<th>Social Science Electives</th>
<th>Electives</th>
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<tbody>
<tr>
<td>10</td>
<td>4</td>
<td>6</td>
<td>6</td>
<td>4</td>
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</table>

Senior

<table>
<thead>
<tr>
<th>Hours Credit</th>
<th>Child and Family Studies 420</th>
<th>Social Science Electives</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>6</td>
<td>6</td>
<td>4</td>
</tr>
</tbody>
</table>

Total: 120 hours

'Courses to be selected from at least two of the following categories: Literature, art appreciation, music appreciation, environmental, or religious studies.

'Students interested in Family and Consumer Sciences teacher licensure must take Chemistry 100 and Biochemistry and Cellular and Molecular Biology 230. All others must select one of the following.

College of Human Ecology
The mission of the Department of Consumer and Industry Services is to internationally and regionally recognized interdisciplinary programs that prepare professionals and serve organizations in the public and private sectors through teaching, research, and technology transfer.

The Hotel and Restaurant Administration major focuses on melding the middle- and upper-level management needs of the food and lodging industry. It is a program that assists students in gaining the breadth of knowledge, responsibility and credibility to meet the changing environment of complex management problems in industry. Students who want more emphasis in business may complete a business minor by taking courses established by the College of Business Administration.

The Hotel and Restaurant Administration Program offers extensive field experience in food-lodging properties in Tennessee and in the southeast. The curriculum provides a strong base in management, computation, social sciences, and human ecology. The general education electives help students to sharpen their analytical, conceptual, and communications abilities. Graduates may start as management trainees in lodging, food service, support industries, and hospitality operations with subsequent upward mobility into management or staff positions. The field experience in the senior year combines the classroom instruction with workplace experience to give graduates a competitive edge in attaining career positions. The professional disciplinesthat comprise Recreation and Tourism Management prepare students for management and leadership positions in many commercial recreation, sport and tourism enterprises. The RTM curriculum is one of only two programs in the state of Tennessee that is accredited in General Recreation by the National Recreation & Park Association, or in Tourism by the Association’s Council on Accreditation. The College of Human Ecology is one of only two programs in the state that is accredited in General Recreation by the National Recreation & Park Association. The Commercial Recreation and Tourism Management concentration is designed to prepare students for employment in management and leadership positions in the recreation and tourism industry. Students will be competitive in securing employment in travel and tourism agencies, convention bureau, hotels and motels, corporate leisure services, sporting venues, city/county/state government and quasi public agencies, voluntary and religious organizations. An economics minor is built into the Commercial Recreation and Tourism Management concentration.

The Therapeutic Recreation concentration prepares students for management and leadership positions with agencies that deliver health care services. Students are successful in securing employment in psychiatry institutions, physical rehabilitation units, in drug and alcohol treatment centers, and in community based programs. In the Therapeutic Recreation concentration minors may be selected in Psychology and Child and Family Studies. Graduates fulfill the eligibility requirements for the National Therapeutic Recreation Society certification.

A minimum of 2.3 GPA is required for progression to and retention in the program.
RECREATION AND TOURISM MANAGEMENT: COMMERCIAL RECREATION AND TOURISM MANAGEMENT CONCENTRATION

(Approved in General Recreation by NRPA/ AALR)

Hours Credit
Freshman
English 101, 102 .........................................................6
Math Elective .................................................................6
History Electives ..........................................................6
Hist 210 ..........................................................6
Humanities Electives ..........................................................6
Recreation and Leisure Studies 110 ............................4
Sophomore
Advertising 250 or Journalism 290..........................3
Natural Science electives .................................................6
Speech 110 or 240 ..........................................................3
Economics 201, 301, and 311 or 313 ..........................10
Health 310 ..........................................................3
Journalism 221 ..........................................................3
Sociology 120 ..........................................................2
Recreation and Leisure Studies 290 .........................3
Recreation and Leisure Studies 390 .........................3
Junior
Hotel and Restaurant Administration 282 .................3
Hist 301, HRA 425, HRA 426, HRA 428 .................6
Economics 281 ..........................................................3
Economics 282 ..........................................................3
Human Ecology 410 and CPS 220 or RCS 341 ..........6
Recreation and Tourism Maj 410, 415, 470 ..........4, 7
Recreation and Tourism Maj 480 ...............................4
Senior
Economics 436 or 462 ..................................................4
Electives .................................................................5
Recreation and Tourism Maj 410, 415, 440 ..........4, 7
Recreation and Tourism Maj 490 ...............................4
Total: 128 hours

History Electives:
- Any course with a history prefix.
- Students must choose two from this list.

RECREATION AND TOURISM MANAGEMENT: THERAPEUTIC RECREATION CONCENTRATION

(Approved in General Recreation by NRPA/AALR)

Hours Credit
Freshman
English 101, 102 .........................................................6
Math Elective .................................................................6
English Electives..........................................................6
Hist 210 ..........................................................6
Oral Communication or RCS 341 ...............................6
Recreation and Leisure Studies 110 ............................4
Psychology 110 ..........................................................3
Sophomore
Chemistry 273 ..........................................................3
Ecol & Evol Biology, or Biology Electives .........................3
Speech 110 or 240 ..........................................................3
Health 310 ..........................................................3
Psychology 325 ..........................................................3
Recreation and Tourism Management 320, 395 ........3
Junior
Exercise Science 302 or Ecol & Exol Biology 340 .......3
Psychology 350 ..........................................................3
Sociology or Psychology Electives ..................................6
Professional Support Course Electives ..........................6
Electives .................................................................6
Recreation and Tourism Management 320 ..................3
Recreation and Tourism Management 325 .................3
Recreation and Tourism Management 340 .................3
Recreation and Tourism Management 350 .................3
Recreation and Tourism Maj 410, 420, 490 .................9
Recreation and Tourism Maj 415, 425, 430 .................9
Recreation and Tourism Maj 440 ...............................12
Total: 128 hours

History Electives:
- Any course with a history prefix.
- Students must choose two from this list.

RETAIL AND CONSUMER SCIENCES

Through a combination of classroom instruction and field based experiences, stu-
dents prepare for entry level positions in di-
verse occupations and for advanced education. The Retail and Consumer Sciences concentra-
tions, is one of the largest programs of this type in the Southeast. Retailing is one of the fastest
growing segments of our economy, and oppor-
tunities for employment will be excellent
through the 1990's.

Retail and Consumer Sciences provides students with knowledge of the retailing indus-
ty and the principles and theories involved in managing personal and merchandising goods for the consumer. A business minor is built into the degree requirements. The progressive di-
rection that this program takes provides gradu-
ates with ascendant management opportunities
in the retail sector. This program offers opportunities for field study experiences where students are guided by faculty in the selection of locations for on-
the-job experiences related to their career area as a part of their educational program. Profes-
sional contacts made in field study experiences often lead to opportunities for career placement
uppon graduation.

Hours Credit
Freshman
English 101, 102 .........................................................6
History Electives ..........................................................6
Mathematics 119, and 120 ...........................................6
Psychology 110 ..........................................................3
Retail and Consumer Sciences 232, 341 .................6
RCS 281 ..........................................................6
Sophomore
Accounting 301, 302 ..................................................3
Marketing 301 ..........................................................3
Econometrics 201, 221 .................................................6
Electives .................................................................3-4
Sophomore
Accounting 301, 302 ..................................................3
Marketing 301 ..........................................................3
Econometrics 201, 221 .................................................6
Electives .................................................................3-4
Senior
Accounting 301, 302 ..................................................3
Marketing 301 ..........................................................3
Econometrics 201, 221 .................................................6
Electives .................................................................3-4
Total: 135 hours

History Electives:
- Select any two courses with a history prefix.
- "Ecol & Exol Biology 110" or better in all required RCS courses.
- "One of the following courses is to be chosen: Business Administration 110-112, 130-132, 137-139, 150-152, 160.
- "Select six hours from Art history/appreciation, foreign language or the humanities as a part of your educational program."
- "All upper division hours is required for graduation.
- "Students wishing to complete RCS 482 may take this course to fulfill upper division elective hours, not RCS 340.
- "Select any 12 upper division hours from courses offered by the College of Business Administration.
- "Students must select 6 hours from the following courses: 121, 343, 393, 411, 415, 455, 495 and 496."
### COMMUNITY HEALTH EDUCATION

The Community Health Education program prepares students to work in a variety of settings that focus on health promotion and disease prevention among individuals, families, and their communities. Toward this end, the program includes both academic coursework that becomes lifelong skills as well as community experiences, both of which are rooted around a social ecological perspective of health promotion. This perspective stresses that students in developing an ability to foster voluntary change for the health behavior through a combination of educational, political, and social interventions. The program is designed to prepare entry-level health education specialists. Typical employer settings include local health departments, voluntary health agencies and public health agencies.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101, 102</td>
<td>6</td>
<td>Focus on the development of language and listening skills.</td>
</tr>
<tr>
<td>Mathematics 119 or 123, and 125</td>
<td>8</td>
<td>Focus on algebra, geometry, and problem-solving skills.</td>
</tr>
<tr>
<td>Child and Family Studies 220 or 320</td>
<td>6</td>
<td>Focus on child development and family dynamics.</td>
</tr>
<tr>
<td>Health 300, 301, 302, and 303</td>
<td>12</td>
<td>Focus on health education and promotion.</td>
</tr>
<tr>
<td>Human Resource Management</td>
<td></td>
<td>Focus on human resource management and organizational behaviors.</td>
</tr>
</tbody>
</table>

**Hours Credit:** 66

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### HUMAN RESOURCES DEVELOPMENT

The Human Resource Development Department offers teacher licensure and credentialing programs for professionals in the health sciences. The program is designed to prepare students who are interested in becoming secondary and postsecondary teachers of business education, health sciences, and technology education. The program is designed to prepare students for careers as secondary and postsecondary teachers of business education, health sciences, and technology education. The program is designed to prepare students for careers as secondary and postsecondary teachers of business education, health sciences, and technology education.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health/Public Health 300 level electives</td>
<td>3</td>
<td>Focus on public health and safety.</td>
</tr>
<tr>
<td>Health/Public Health 400 level electives</td>
<td>3</td>
<td>Focus on public health and safety.</td>
</tr>
<tr>
<td>Psychology 101, 102, and 103</td>
<td>8</td>
<td>Focus on psychology, human behavior, and social psychology.</td>
</tr>
<tr>
<td>Human Resource Management</td>
<td></td>
<td>Focus on human resource management and organizational behaviors.</td>
</tr>
<tr>
<td>Human Resource Development 400</td>
<td>12</td>
<td>Focus on human resource management and organizational behaviors.</td>
</tr>
<tr>
<td>General Electives</td>
<td></td>
<td>Focus on general education and professional development.</td>
</tr>
<tr>
<td>Child and Family Studies 220 or 320</td>
<td>6</td>
<td>Focus on child development and family dynamics.</td>
</tr>
<tr>
<td>Health 301, 302</td>
<td>12</td>
<td>Focus on health education and promotion.</td>
</tr>
<tr>
<td>Human Resource Management</td>
<td></td>
<td>Focus on human resource management and organizational behaviors.</td>
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</table>

**Graduate Total:** 24 Hours

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### OCCUPATIONAL ENDORSEMENTS

The following endorsements may be added to the Professional Home Economics/Child and Consumer Sciences Teaching Certification. They are not part of the requirements for the Professional Home Economics/Child and Consumer Sciences Teaching Certification.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child and Family Studies 220 or 320</td>
<td>6</td>
<td>Focus on child development and family dynamics.</td>
</tr>
<tr>
<td>Child and Family Studies 320</td>
<td>4</td>
<td>Focus on child and family education.</td>
</tr>
</tbody>
</table>

**Hours Credit:** 12

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### TEACHER EDUCATION CONCENTRATION

(Business, Marketing, Family, and Consumer Sciences, Technology)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101, 102</td>
<td>6</td>
<td>Focus on the development of language and listening skills.</td>
</tr>
<tr>
<td>Mathematics 110</td>
<td>4</td>
<td>Focus on algebra, geometry, and problem-solving skills.</td>
</tr>
<tr>
<td>Business, Marketing, Family, and Consumer Sciences 110</td>
<td>3</td>
<td>Focus on business, marketing, family, and consumer sciences.</td>
</tr>
</tbody>
</table>

**Total:** 126 Hours
Support courses or electives................................21

TRAINING AND DEVELOPMENT

The Department of Nutrition promotes an understanding of nutrition for the enhance
ment of the physiological and social well-be
ing of individuals and families across the
life span through teaching, research and ser
vice. Students learn about nutritional needs from the smallest unit of the cell to the indivi
dual's needs throughout the lifecycle, the ways that attitudes, and beliefs influence food
patterns, the management of resources in food service and the properties of foods. Thus,
Department programs service society through graduates who are able to interpret and
respond to social needs in regard to nutri
tion and wellness, both as professionals and
as responsible citizens.

The professional discipline of Nutrition is rooted firmly in general education and provide
a clearly defined base of professional knowl
dge. The foundation for this major includes basic sciences, i.e., chemistry, microbiology,
physiology and psychology. The natural sciences provide a base for under
standing nutrient functions in the body and the social sciences to better understand cultural
aspects of food and food related consumer needs. In addition, students with a strong res
search interest may prepare for research
oriented careers in laboratories or as graduate
students in nutrition or other biological disciplines.

NUTRITION

This major is designed for students interested in basic and applied sciences. Students are expec
ted to acquire advanced education in chemistry, biology, food science, and behavioral
sciences. The Nutrition major is a course of study approved by The American Dietetic
Association to meet Minimum Academic

Requirements (Didactic Program in Dietetics).

These requirements are regarded as the basic
education component for the preparation of
persons entering the dietetic profession. The
general emphasis of this program prepares
individuals to sit for the dietetic profession in
general dietetics and includes nutrition, food-service systems, management, management
theory and principles and communication
including computer and statistical
applications. Graduates are prepared to enter internships or Approved Pre-Professional
Practice Programs (APA) with a general
emphasis. An internship is an approved pre
professional practice experience completed,
academic and practice requirements for eligi
bility as a member of The American Dietetic
Association and qualifies the graduate to apply for the Registration Examination to become a
Registered Dietitian (R.D.). Students may re
ceive more information from the department
about R.D. requirements. R.D.s work as
members of health care teams in acute care
care hospitals and community-based settings, home
health care programs, college and university
toservice facilities, wellness clinics and
private practice. Extension Service and food
companies are also avenues of employment.

Fahrenheit

English 101, 102 8

History 101 3

History Elective 3

Economics 21 3

Child and Family Studies 220 or Retail and
Consumer Sciences 341 3

Electives 9

Human Resource Development 320, 325 6

Human Resource Development 430, 455 6

Support courses or electives 21

Total: 125 hours

Select any two courses with a History prefix. At least 48 hours in 300-400 level courses are
required.

*Course must be selected from art, music, literature, speech, oral interpretation, philosophy, religious

*Credit for these courses must be earned at The University of Tennessee, Knoxville.

Training and Development Support Courses: Courses must be in addition to those specified for
the major and must be selected from:
In order to obtain a Bachelor of Science in Nursing degree students are required to successfully complete eight semesters of full-time study or the equivalent in part-time study. One-hundred twenty-three semester hours are required for graduation. The program also accommodates registered nurses who hold associate degrees in nursing or who are graduates of diploma nursing programs. All upper division courses, with the exception of N301 and N314, are restricted to students who have been approved for progression (see PROGRESSION POLICIES AND PROCEDURES).

**PROGRESSION POLICIES AND PROCEDURES**

Current standards are available from the Director of Student Services, College of Nursing, room 203. Students, including registered nurses, who are admitted as nursing students in their freshman or sophomore years must apply for progression to the upper division prior to their junior year.

(1) During the spring semester of the year the student expects to meet all lower division course requirements, s/he must complete a Petition for Progression form and submit it to the college's Student Services Office. Applicants for upper division nursing should submit their Petition for Progression with transcripts for all colleges attended no later than January 20. Students will be selected on the basis of:
   a) cumulative GPA for courses completed;
   b) cumulative GPA for required science, social science, math, and English courses;
   c) number of course withdrawals and repetitions;
   d) grade improvement over time;
   e) probability of completing all lower division requirements prior to the following fall; and
   f) the availability of space. Preference will be given to those students who have completed all lower division courses.

(2) If a student is selected for progression but fails to successfully complete all lower division requirements (except for humanities, history, and multicultural/integrative studies electives) prior to the fall semester, the student will not progress and must submit another petition for progression the following year.

(3) Registered nurses must be licensed to practice in the state of Tennessee.
STUDIES

APPROVED ELECTIVES

HISTORY REQUIREMENTS

The following courses are open to all university students: 202, 301, and 314.

GRADUATE

RN TRACK FOR BACHELOR OF SCIENCE IN NURSING

1. RNs must complete the same non-nursing requirements as other students.

2. Students will take the NLN Nursing Mobility Profile Examinations prior to starting upper-division coursework. If a decision score of 100 is achieved (per section), the student will receive proficiency credit for three out of four of our major clinical courses exclusive of Commu-

nity Health. Courses for which credit can be obtained in this manner include 330, 401, 411, and 431 and are indicated with an asterisk. Proficiency credit obtained by RNs through the NLN Nursing Mobility Profile Exams is re-

corded as SNC.

3. The student will take one major clinical course in the area of choice (330, 401, 411, and 431) with clinical individualized.

4. All students take the Community sequence.

5. Students can obtain proficiency credit in several other courses (Assessment and Wellness Promotion, Pharmacology, Health Deviation Concepts I and II, and Leadership/Management) by passing instructor-made challenge exams (indicated with a double asterisk). Eligibility for challenge of N440 Leadership/Management is based on documented employ-

ment in a nursing leadership position for at least one year within the last five years. RNs are exempt from N441 Clinical Nursing Practicum.

6. The entire upper division nursing curricu-

lum can be completed in one calendar year and students already accepted into the Masters' Program may be exempted from Multicultural/Integrated Studies (3 hours) and Nursing Exce-

lence/Independent Study (5 hours) if they have 123 undergraduate hours. Students accepted for the Masters' Program must complete at least one year in the last five years. See also the UTK Graduate Catalog for description of RN-MSN track.

7. More information about the RN-BSN track can be obtained from the College of Nursing Student Services Office or from the faculty advisors for registered nurses.
College of Social Work

Karen M. Sowers, Professor and Dean, Ph.D.
Florida State University

Professors:
Muammer Cetingok, Ph.D., Washington University
Catherine Fawer, Ph.D., University of Michigan
Gideon W. Fryer (Emeritus), Ed.D.
Columbia University
Charles A. Gibson, Ph.D.
Washington University
Ben F. Granger (Emeritus), Ph.D.
Brandeis University
Hosashi Himeji
DSW University of Pennsylvania
Rogier M. Nooe, DSW Tulane University
Hia Rubenwasser, Ph.D., University of Chicago
Eunice O. Shatz (Dean Emeritus), Ph.D.
Brandeis University
Karen M. Sowers, Ph.D.
Florida State University

Assistant Professors:
James Neff, Ph.D.
University of Utah
Frank J. Spicuzza, MSSW University of Tennessee
Joanne Thompson, Ph.D.
Rutgers University
Paul M. Campbell, DSW University of Alabama
Hopkins University
Lisa Werthamer, Sc.D.
Johns Hopkins University

Graduate Programs:
Karen M. Sowers, Professor and Dean, Ph.D.
Florida State University

Social work is a helping profession that focuses on providing skilled intervention in the prevention and amelioration of individual and societal problems. It is a challenging and rewarding career involving the application of knowledge, skills, and professional values to assist individuals, families, groups, and communities in reaching their potentials. The primary mission of the undergraduate social work program is to develop generalist social workers who are strategic thinkers, lifelong learners, and opinion shapers. It is the purpose of the College to provide an education which fosters growth in both individual and career development.

The program prepares students for social work careers in such diverse areas as schools, youth programs, family service agencies, nursing homes, courts, mental health centers, and welfare agencies. The degree provides graduates a competitive advantage in many jobs, the possibility of up to one year's standing in some master's degree programs in social work, and the potential to be licensed in a number of states throughout the nation.

The social work curriculum builds on a strong liberal arts base. The humanities and the social sciences are emphasized to help students understand human diversity and the transactions between people and their environment. The curriculum combines classroom experience and agency-based field placements. Courses provide a knowledge base in social work practice theory, human behavior, social welfare policy, and research. Educationally directed field placements, which consist of over 600 clock hours of supervised field instruction in agency settings throughout greater Knoxville, provide extensive and challenging opportunities for students to apply the lessons of the classroom to the problems of society. The program is accredited by the Council on Social Work Education.

The undergraduate social work program (BSSW) started in 1962 in the College of Liberal Arts. It was granted initial accreditation by the Council on Social Work Education in January 1965, and reaffirmation was given in 1992. The program was transferred to the College of Social Work in September 1965.

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FACILITIES

The College of Social Work is housed in Henson Hall, located on the corner of Cumberland Avenue and Volunteer Boulevard on the UT Knoxville campus. This building houses the administrative and faculty offices, along with classrooms for the BSSW, MSSW and Ph.D. programs. Video and computer resources are available to facilitate instruction.

GRADUATE PROGRAM

The College of Social Work offers a fully accredited two year graduate professional degree at the master's level (MSSW). The College also offers a graduate program leading to a Doctor of Philosophy in Social Work (Ph.D.). Information concerning graduate programs is given in the College of Social Work Bulletin and also in the Graduate Catalog. Master's Degree Programs are offered on the campus in Knoxville and in Nashville and Memphis. The Ph.D. Program is offered in Knoxville.

GRADING POLICY

The satisfactory/no credit option is not permitted in the major. The minimum acceptable grade for all social work courses is a C. Courses, other than field, in which a D or F is achieved may be repeated once. Field courses must be completed with a C or better, and may not be repeated.

A student receiving an incomplete (I) in any social work course must remove this incomplete before enrollment in subsequent field practice.

COURSE LOAD

The maximum credit hours per semester allowed for any student is 18. Special permission must be obtained for any over load.

135
PROGRESSION REQUIREMENTS

Students admitted to the University may request a faculty advisor from the College of Social Work. Students in the College must move through Initial and Full Progression. The following factors identify progression criteria for all social work students:

INITIAL PROGRESSION*

1. Successful completion of Social Work 200 and 250 with a grade of C or better.
2. Cumulative grade point average of 2.0 or above.
3. Successful completion of a minimum of 60 semester hours. Initial progression must be completed prior to enrollment in any 200-level social work courses.
4. Favorable review of the student’s application for entry into the junior-level social work courses by the faculty admissions committee. The application requires an essay discussing the student’s interest in and preliminary understanding of the profession.
5. Completion of fifty (50) clock hours in community service at one public/private social service agency. The community service is to take place after admission in a higher education institution and in the twenty-four month period prior to application for initial progression.

FULL PROGRESSION*

1. Successful completion of junior-level social work courses with a grade of C or better.
2. Cumulative grade point average of 2.0 or above.
3. Successful completion of a minimum of 90 semester hours. Full progression must be completed prior to enrollment in any 400-level social work courses.

CURRICULUM

1. Favorable approval by the BSW faculty prior to entry into senior-level classes. This process will include a review of the student’s performance in junior-level field practice.
2. Full progression is based on the recognition that social work has an intensive field component in which students demonstrate aptitude and ability to work with other people. While review is ongoing, full progression provides an additional opportunity to review the students' potential for anti-level practice.

1. Cumulative grade point average of 2.0 or above.
2. Successful completion of Social Work 300 with a grade of C or better.
3. Successful completion of a minimum of 60 semester hours.
4. Cumulative grade point average of 2.0 or above.
5. Completion of fifty (50) clock hours in community service at one public/private social service agency. If the number of available field practice slots in social service agencies and classroom space. If the number of available field practice slots in social service agencies and classroom space.
6. Favorable review of the student’s application for entry into the junior-level social work courses by the faculty admissions committee. The application requires an essay discussing the student’s interest in and preliminary understanding of the profession.
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REQUIREMENTS

1. Successful completion of Social Work 200 and 250 with a grade of C or better.
2. Cumulative grade point average of 2.0 or above.
3. Successful completion of Social Work 300 with a grade of C or better.
4. Cumulative grade point average of 2.0 or above.
5. Completion of fifty (50) clock hours in community service at one public/private social service agency. The community service is to take place after admission in a higher education institution and in the twenty-four month period prior to application for initial progression.

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The School of Information Sciences provides a graduate professional degree program accredited by the American Library Association. Information concerning the graduate program is given in the Graduate Catalog.

COMPUTER FACILITIES

The School of Information Sciences offers a teaching demonstration computer laboratory at Temple Court. The laboratory includes a large-screen display system and more than 20 networked computers. The laboratory is designed to reflect the current computing environment. Equipment is available for individual use when the laboratory is not reserved for class instruction. The computers are connected to the SIS Local Area Network (LAN). In addition, the computers are connected to the campus Ethernet network from which they access all the increasingly important communications and information resources of the Internet. Networked laser printing is included in the laboratory.

The advanced laboratory is designed to serve the research and curriculum needs of the school. Equipment includes high-end Macintosh Quadra, and IBM PC computers. The advanced laboratory provides a web server, high-level database and information retrieval software, and multimedia authoring and display tools.

GRADUATE PROGRAM

The School of Information Sciences offers a graduate professional degree program accredited by the American Library Association. Information concerning the graduate program is given in the Graduate Catalog.

The undergraduate courses support a heightened awareness of today's information-rich environment. Increasingly, college graduates must understand the nature of information sources, values, creation, organizing principles, transfer, and uses in society. Those who thrive in the information society must know how to identify and respond to their information needs. First as students, and then as professionals and citizens, graduates need to apply techniques and technologies in the search, retrieval, and evaluation of relevant information to meet their information needs. They must prepare to use a rapidly increasing array of information systems and technologies to seek and to manage information resources. These abilities, which add value to any field of study, constitute information survival skills in the twenty-first century.

The undergraduate courses are planned for the following groups of people:

1. Students who wish to develop a better understanding of the role of information in society.
2. Students whose academic major stresses understanding and use of information in society.
3. Students whose academic major and/or minor requires significant use of research libraries.
4. Students who are prospective candidates for the graduate program in library and information science.

For information about undergraduate courses, contact the School of Information Sciences.
The University Evening School, as an arm of Academic Affairs, administers on and off campus, undergraduate and graduate courses in a variety of nontraditional formats. All courses are approved and offered in conjunction with academic colleges and departments. Support services are provided to assist working adult students in their educational pursuits.

On Campus Evening Program. Classes are offered during the late afternoon and evening hours for those students who work or have other commitments during the day. The following undergraduate degrees are available:

- College of Business Administration - Bachelor of Science in Business with majors in Accounting, General Business, Economics, Finance, Public Administration, Management or Marketing.
- College of Arts and Sciences - Bachelor of Arts with majors in American Studies, Anthropology, Economics, History, Political Science, Psychology, Public Administration or Sociology.
- College of Education - Bachelor of Science with a major in Human Services.
- College of Human Ecology - Bachelor of Science in Human Resource Development.

Some departments within the Colleges of Arts and Sciences, Business Administration, Communications, Education, Engineering and Human Ecology offer all courses required for an advanced degree during the evening.

Mini-Term. The University Evening School offers a Mini-Term during May. Students may enroll in one concentrated credit course during the Mini-Term period. Co-reques and instructors listed for the Mini-Term are carefully selected to reflect a broad academic base of offerings suited to an intensive program of study.

Off-Campus Programs. The Evening School conducts undergraduate and graduate courses in a number of locations away from the Knoxville campus. All course offerings and instructors are approved by the appropriate academic department, and the credit awarded is resident credit. The M.S. in Human Resource Development (College of Human Ecology) is available in Nashville.

The Evening School administers an off-campus center at Oak Ridge where courses leading to an advanced degree in Chemical, Environmental, Industrial and Nuclear Engineering as well as Safety Education are offered.

Workshops. Credit workshops are coordinated through various academic departments of the University and provide students the opportunity to participate in short periods of intensive study. Workshops offer flexibility of timing, location, and content. Summer workshops are particularly popular with teachers and school administrators. Although most workshops are held on the UT Knoxville campus, geography is not a limiting factor.

Student Services. A comprehensive program of services is provided by the University Evening School for both on- and off-campus students:

- Registration. Priority registration by touchtone, regular phone, mail or FAX is offered as a convenience to current Evening School students. Final registration at both on- and off-campus locations is available by phone or in person.
- Fee Payment. The Evening School functions as a Bursar's office. Fees may be paid in person, by mail or by phone (with a credit card).
- Advising. Advising is available for the benefit of all evening students who need assistance with academic or related matters. The program can accommodate students during regular daytime hours and in the evenings by appointment, as well as at several centralized off campus locations. The Colleges of Arts and Sciences, Business, Communications, Education and Engineering cooperate with the Evening School to provide advising appointments after work hours.

Financial Aid. Evening School undergraduate students may be eligible for assistance through the need-based Evening School Scholarship Program. Interested students may also obtain applications for the Pell Grant in the Evening School office.

Fox Waiver Program for Senior and/or Disabled Citizens. The Evening School administers this state legislated program for UTK, Senior or totally disabled Tennessee citizens who wish to take UT credit courses may audit these free of charge or, upon admission, may pay a reduced rate to receive regular credit. Specific information about the program may be obtained in the Evening School office.

University Evening School
451 Communications Building
(423) 974-5361 or 1-800-576-8657
http://www.acad.utk.edu/evening
University Honors

Thomas W. Broadhead, Director

University Honors programs have been carefully designed to give academically outstanding students a special undergraduate honors experience comprising special courses, seminars, mentoring programs, senior research projects, and other features. Students are invited to become University Honors students prior to enrolling at the University. Already-enrolled students are eligible. Prospective University Honors students are selected on the bases of previous academic performance, demonstration of an eagerness to be active learners and leaders, and extracurricular activities. The University Honors Office administers three separate programs: the Tennessee Scholars Program, the Whittle Scholars Program, and the Chancellor's Scholars Program. The Tennessee Scholars, Whittle Scholars and Chancellor’s Scholars programs are administered by the University Honors Committee, which includes faculty and representatives of the University Administration.

TENNESSEE SCHOLARS PROGRAM

Each year, a total of twenty-five outstanding high school students or transfer students will be selected by the Tennessee Scholars Selection Committee for a four-year (two-year for transfer students) program of honors work. These students may have any major in any college offering the Bachelor's degree. In addition to required work in their respective colleges, Tennessee Scholars are required to complete a one credit hour honors seminar each term of their first year (one on contemporary issues and one on aspects of leadership); complete at least one University Honors course during their second year; complete a one-semester internship experience; develop a positive relationship with a faculty mentor; and have an extensive conference with a member of the University Honors staff each year; attend meetings of the Whittle Scholars; and complete the senior project seminar and a senior research project of merit and originality. Failure to meet the above requirements can result in removal from the program and loss of scholarship assistance. Students are selected on the bases of leadership experience and skills, academic performance and potential, and extracurricular activities and community service. Students selected to become Whittle Scholars receive a full four-year scholarships plus a stipend for their additional semester abroad.

WHITTLE SCHOLARS PROGRAM

The Whittle Scholars Program is made possible by a gift given to the University by Chris Whittle, a 1969 UT Knoxville alumnus. Each year, ten outstanding high school students will be invited to become Whittle Scholars. These students may have any major in any college offering the Bachelor’s degree. In addition to required work in their respective colleges, Whittle Scholars are required to complete a one credit hour seminar each term of their first year (one on contemporary issues and one on aspects of leadership); complete at least one University Honors course during their second year; complete a one-semester internship experience; develop a positive relationship with a faculty mentor; have an extensive conference with a member of the University Honors staff each year; and complete a senior project seminar and a senior honors research project of merit and originality. Failure to meet the above requirements can result in removal from the program.

RETENTION IN THE TENNESSEE SCHOLARS PROGRAM, CHANCELLOR’S SCHOLARS PROGRAM, AND WHITTLE SCHOLARS PROGRAM

Tennessee Scholars, Chancellor’s Scholars and Whittle Scholars are selected on the bases of past academic performance; extracurricular activities, and their potential for academic excellence. As University Honors Students, they are expected to adhere to the written policies and requirements of the Tennessee Scholars, Whittle Scholars and Chancellor’s Scholars Programs and are encouraged to enroll in courses that will stimulate and challenge them as well as broaden their horizons. As a result, the University Honors Committee will not be concerned if grades in occasional courses fall below the superior range. However, all Tennessee Scholars, Whittle Scholars and Chancellor’s Scholars are expected to maintain a cumulative grade point average of 3.25.

A student in the Tennessee Scholars Program, Chancellor’s Scholars Program, or Whittle Scholars Program whose cumulative GPA falls below 3.25 will be allowed to continue in the Program and receive its benefits so long as he or she earns a 3.25 GPA or better every

Criteria for selection include academic performance and academic and professional promise. Biennial and African American Achievers Scholarships are awarded by the Financial Aid Office based on a student's high school grades and standardized test scores. All recipients of the Bonham, Holt, Neyland, Haslam, Roddy Merit, Bicentennial and African American Achievers scholarships who have a minimum high school GPA of 3.0 and ACT scores of 27 are invited to apply to become Chancellor’s Scholars. In addition to required work in their respective colleges, Chancellor’s Scholars are required to complete a minimum of four honors courses; complete a one credit hour honors seminar each term in residence; develop a positive relationship with a faculty mentor; have an extensive conference with a member of the University Honors staff each year; and complete a senior project seminar and a senior honors research project of merit and originality. Failure to meet the above requirements can result in removal from the program.
In residence, a student must submit a written prospectus for the senior research project to his/ her faculty mentor for suggestions and approval.

3. During the final year in residence, each student must complete the senior project seminar, consisting of oral presentations and written samples of the student's senior research or creative project.

4. Prior to the end of a student's final semester, he or she will be expected to present the completed project to the student's faculty mentor or committee, the student's peers, and invited guests. Upon the conclusion of the presentation, the student's faculty mentor will submit a letter to the Director of the University Honors Program certifying that the research project has been completed and has been accepted by the committee. One copy of the research project must be filed in the University Honors Office and additional copies should be given to the student's faculty mentor and committee.

Failure to meet these guidelines will result in the delay of a student’s graduation.

UNIVERSITY HONORS COURSES AND SEMINARS

Courses (3 credit hours) and seminars (1 credit hour) are offered each semester that focus on various topics, issues, and problems. Class size is generally limited to 25 students.

These are taught by faculty from all ten undergraduate colleges and schools and may be repeated. University Honors courses are open to undergraduates on the basis of high school GPA, ACT/SAT scores, UT Knoxville GPA of 3.25 or better, or by professorial recommendation. University Honors seminars are required of and limited to students in the University Honors Program or by approval of the Director of University Honors.
The University of Tennessee, Knoxville Libraries' own approximately 2 million volumes and subscribe to more than 10,000 periodicals and other serial titles. The Libraries' membership in the Association of Research Libraries reflects the University's commitment to graduate instruction and research and the support of large, comprehensive collections of library materials on a permanent basis.

The UT Knoxville Libraries consists of the main library (the John C. Hodges Library), four branches on the Knoxville campus (the Agriculture-Veterinary Medicine Library, the Map Library, the Music Library, and University Archives and Special Collections), and the Social Work Library in Nashville.

Research assistance is available at the reference desk in each library. Free self-searching of selected databases is also available in the reference area and remotely through the World Wide Web.

Search the catalog of holdings at an library branch or via the UTK Libraries' Web site at www.lib.utk.edu. Materials that are not available in the UTK Libraries can be requested through Interlibrary Services.

The services and facilities of the University Libraries are accessible to persons with disabilities. Adaptive equipment such as a Kurzweil Personal Reader and TDD are available at the Hodges Library.

The John C. Hodges Main Library (1015 Volunteer Blvd.) is a 350,000 square foot facility housing approximately 2 million volumes, 300 study carrels, and 200 faculty studies, and comfortable study space for more than 2,000 people.

The Agriculture-Veterinary Medicine Library (Room A-113, Veterinary Teaching Hospital) has a strong collection in agriculture, veterinary, preclinical and human medicine, and related biological sciences. Most of the publications of the U.S. Department of Agriculture and the State Agricultural Experiment Stations and Extension Services are collected.

The Map Library (Room 1015, basement of the Hodges Library, Cumberland Avenue and 15th Street) maintains and develops a collection of sheet maps, atlases, journals, and books related to cartography. Materials in print, film, and digital formats are acquired from commercial sources as well as the Government Depository program.

The Music Library (301 Music Building) has a comprehensive collection of music and music literature, including books, scores, audio and video recordings, current periodicals, and microfilm. All materials in the Library of Congress "M" classification are located here.

Special Collections (2nd floor, west wing of the Hodges Libraries) is a repository of primary source materials and costly modern library materials. The University Archives contains official records of the University, items published officially and unofficially, and other materials that document University of Tennessee life. Materials from Archives and Special Collections are kept for library patrons from closed stacks for use in the Reading Room.

The Social Work Library (1720 West End Avenue, Nashville) serves College of Social Work students in field practices across the state. The Library has a working collection of materials in social work and related disciplines.

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

Data excludes Law Library faculty and statistics.
The University Studies Program has three general objectives: (1) to foster interdisciplinary teaching and scholarship, especially across college boundaries; (2) to promote active, integrative, and personal learning; and (3) to nurture the personal and intellectual development of faculty and students.

In pursuit of these objectives, University Studies sponsors several activities. It sponsors FACULTY COLLOQUIES, which are on-going, structured, interdisciplinary conversations on a topic or nexus of topics. Colloquies explore important contemporary issues which are sufficiently fundamental to involve the attention of faculty and students from all colleges. Current colloquies are: Technology, Society and the Common Good; Aging and Society; Land and People (Tennessee Appalachian Forum); Interdisciplinary Rhetoric Group; Psychoanalysis and the Humanities; Critical Theory Group; Forum on International Development; Appalachian Studies; Cultural Diversity; and Values in Higher Education and the Creativity Group. It offers INTERDISCIPLINARY COURSES, often team-taught, many stemming from the colloquy discussions. It also sponsors CENTRALIS/OVERTURES, a series of eight faculty luncheons held over the academic year designed to encourage substantive conversation among faculty about their scholarship and creative work.

In addition, University Studies works with other units across campus to bring visiting scholars of interdisciplinary interest to our campus.

For further information, contact:
Dr. Neil Greenberg, Chair
440 Communications Building
PHONE: 974-9915
FAX: 974-2944
EMAIL: ngreenbe@utk.edu
Reserve Officers Training Corps (ROTC)

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

ARMY ROTC

Professor of Military Science and Tactics: Lieutenant Colonel Bill Woodcock, M.S., University of Southern Mississippi.

Assistant Professors:
Major Robert Reese, B.S., Cheyney State University; Major Jim Mingus, B.S., Winona State University; Major Steve Thomas, B.S., North Georgia College; Captain Mark Grisdale, B.A., Texas Tech University.

Senior Army Instructors:
MSG Richard Coffman; SFC Michael Mansfield; SSG John Barecki; SSG Kevin Young; SGT Audie Profitt.

MISSION

To commission the future officer leadership of the U.S. Army and motivate young people to be better citizens.

PURPOSE

Army ROTC is an educational program designed to provide the college student an opportunity to earn an Army commission as a second lieutenant and enter either the active duty, Army Reserve, or Army National Guard.

ARMY ROTC AT THE UNIVERSITY OF TENNESSEE—A TRADITION SINCE 1844

The military program at The University of Tennessee predates that of any other state university in the country, having been introduced in 1844. Professor Albert Miller Las, a U.S. military academy graduate, organized an infantry company. With the outbreak of the Mexican War, the entire company, as well as thousands of other Tennesseans, volunteered for service in the war. Thus, Tennessee became known as the "Volunteer State." When The University of Tennessee reopened after the War between the States, a system of military discipline was adopted. A Code of Military Regulations was drawn up and a copy was provided each student when he matriculated. The whole institution was put under regular U.S. military academy discipline. The student body was organized into a battalion of cadets, which consisted of four companies fully equipped, armed and equipped under the command of the cadets and his staff of cadet officers. The University of Tennessee remained as a Military Division for a period of six years, until 1877. Military Science continued to be taught, since the University was a Land Grant Institution and instruction in Military Science was required by the 1862 Act of Congress. The National Defense Act of 1916 changed the old military organization into a ROTC unit. For the first time, the Federal Government began to pay a part of the uniforms cost for basic course students, uniforms and other equipment were provided by the Government for Juniors and provided by the Government for Juniors and provided by the Government for Seniors, and a monthly subsistence allowance was given to advanced course students. From 1929-1930, Major (ret) Braddock George H., Robert H. Neyland was the Professor of Military Science and football coach at The University of Tennessee.

Objectives of the program are to provide students with an understanding of the fundamental concepts and principles of military art and science; to develop a basic understanding of associated professional knowledge, a strong sense of personal integrity, honor, and individual responsibility, and an appreciation of the requirements for national security; and to establish a sound basis for the students' future professional development.

ROTC draws young men and women for training from all geographical, economic, and social ideals of American institutions of higher learning are commissioned annually into the officer corps.

THE PROGRAM

Basic Course: Students entering the Basic Course register for classes at the same time and in the same manner as they enroll in their other college courses. All classes (MS 110, 120, 310, 320) are available to any UT student as an elective course without any military obligations. Completion of the Basic Course qualifies students for entry into the Advanced Course, which is normally taken during the last two years of college.

Advanced Course: The course is designed to develop and instill "leaders of character," who, upon degree completion, will apply a commission in the U.S. Army. The Advanced Course requirement is that applicants have two academic years remaining at either the undergraduate or graduate level, or in combination of both. Students normally enter the Advanced Course during the last two years of their degree program (junior year for undergraduate, final year of master's program for graduate level students). The Advanced Course is made up of the Military Science classes (MS 310, 320, 410, 420, 430) and takes two years to complete. All classes except MS 420 are offered during spring and fall semesters; MS 420 is a "winter" week summer session. This camp held in Basic, Washington, many educational compassion under the "whole person" concept. Cadets must maintain academic standards while taking on the additional responsibilities of ROTC. Advanced course students are required to participate in physical training sessions. Students organize physical fitness sessions. Students are encouraged to participate in physical activities that are required in the Advanced Course are required to be full-time students, taking at least 12 hours each semester.
In addition to a biocatalyst degree, there are required and recommended courses in designated fields of study that students must complete prior to commissioning. Students must have prerequisites by successful completion of required and elective courses taken from the university curriculum in the required areas of concentration.

Courses in the following designated fields of study are required of students seeking a commission in the United States Army.

- One course in communications.
- One course in military history.
- One course in military law.
- One course in computer literacy.

Courses in management and national security studies are strongly recommended but are not required.

**SPECIAL PROGRAMS**

Pay and Entitlements

All students enrolled in the Army ROTC program are furnished texts by the Army through the Military Property Officer. Students enrolled in the ROTC Advanced Course receive uniforms and equipment plus an allowance of $150 per month during the academic year. While attending the ROTC summer studies each cadet receives an allowance of $740 for Advanced Summer Studies, $470 for Basic Summer Studies, plus meals and clothing are provided.

Army ROTC Scholarship Program

The Army ROTC scholarship program offers financial assistance to students as they prepare for a career in the military service. These scholarships are designed to attract the best students to these high-quality careers. Army ROTC scholarship funds are available to outstanding young men and women who wish to serve in the Army after college. These scholarships can be used for four years of college and provide a monthly stipend of $300 to $400, depending on the service branch and the student's major.

**LEADERSHIP GRANT PROGRAM**

The University of Tennessee ARPTC Leadership Grants are designed to attract and retain high-quality candidates to the Army ROTC program. These grants are intended to complement existing ROTC and University scholarships by providing financial assistance for students in areas such as leadership development, community service, and academic performance. These grants are available to undergraduate students majoring in any field of study and are renewable for up to four years. Students interested in applying for a Leadership Grant should contact the Army ROTC advisor for more information.

**ERED MILITARY SCIENCE CURRICULUM**

**MILITARY SCIENCE 310** Final Exam

**MILITARY SCIENCE 320** Final Exam

**MILITARY SCIENCE 410** - Advanced Camp

**MILITARY SCIENCE 420** - Military Ethics and Law

**MILITARY SCIENCE 430** - Advanced Summer Studies

Successful completion of the Military Science curriculum is required for commissioning in the United States Army. The curriculum is designed to provide students with the knowledge and skills necessary to become effective leaders in the military service.

**ERED MILITARY SCIENCE REQUIREMENTS**

- Basic Military Studies - Practicum
- Military Science 310 (4) - Advanced Military Studies I
- Military Science 320 (4) - Advanced Military Studies II
- Military Science 410 (4) - Command and Staff Functions
- Military Science 420 (4) - Military Ethics and Law
- Military Science 430 (4) - Advanced Summer Studies
- Military Science 440 (4) - Advanced Camp
- Military Science 450 (4) - Military Ethics and Law

**ERED MILITARY SCIENCE 310**

**ERED MILITARY SCIENCE 320**

**ERED MILITARY SCIENCE 410**

**ERED MILITARY SCIENCE 420**

**ERED MILITARY SCIENCE 430**

**ERED MILITARY SCIENCE 440**

**ERED MILITARY SCIENCE 450**

**ERED MILITARY SCIENCE 460**

**ERED MILITARY SCIENCE 470**

**ERED MILITARY SCIENCE 480**

**ERED MILITARY SCIENCE 490**

**ERED MILITARY SCIENCE 500**

**ERED MILITARY SCIENCE 510**

**ERED MILITARY SCIENCE 520**

**ERED MILITARY SCIENCE 530**

**ERED MILITARY SCIENCE 540**

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**ERED MILITARY SCIENCE 1100**

**ERED MILITARY SCIENCE 1110**

**ERED MILITARY SCIENCE 1120**

**ERED MILITARY SCIENCE 1130**

**ERED MILITARY SCIENCE 1140**

**ERED MILITARY SCIENCE 1150**

**ERED MILITARY SCIENCE 1160**
During their freshman and sophomore years, courses and there is NO MILITARY OBLIGATION.

Students who enroll in the University's Four-Year Program may register for the Four-Year Program: Students entering the Four-Year Program may register for the Four-Year Program. This information is subject to change; for the most up-to-date information regarding AFROTC, contact AFROTC Detachment 600 (974-3041).

ACTIVE DUTY COMMITMENTS
Commissioned graduates going into non-flying duties will serve four years of active duty. Those graduates going into pilot assignments will serve eight years of active duty after completion of pilot training. Those graduates going into navigator assignments will serve six years of active duty after completion of navigator training. Cadet pay and housing allowances are designed to attract and retain high quality students to the Air Force ROTC program and degree requirements.

PAY AND ENTITLEMENTS
All cadets receive uniforms, books, and textbooks furnished free of charge. Full tuition, laboratory and incidental fees, and book fees are covered by the AFROTC scholarship. All full-time scholarship cadets, regardless of GPA, receive a $1,000 stipend each month in addition to their salary. A non-taxable $150 stipend each month during summer training satisfies all freshman and sophomore level course requirements.

The University of Tennessee AFROTC Leadership Grants are designed to attract and retain high quality students to the Air Force ROTC program and degree requirements. These grants are intended to complement other AFROTC and University scholarships by providing funds to offset costs for such areas as room and board, out-of-state tuition, and first year expenses for 3-year AFROTC scholarship winners.

Scholarship winners:

Pilot assignments will be required to serve eight years of active duty after completion of pilot training. Those graduates going into navigator assignments will serve six years of active duty after completion of navigator training. Commissioned graduates going into non-flying duties will serve four years of active duty.

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<table>
<thead>
<tr>
<th>Year</th>
<th>Course Description</th>
<th>Hours/Credit</th>
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<td></td>
<td>Aerospace Studies 103, 104 (Leadership Laboratory)</td>
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<td>Senior</td>
<td>Aerospace Studies 401, 402</td>
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<tr>
<td></td>
<td>Aerospace Studies 403, 404 (Leadership Laboratory)</td>
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</table>

**PROFESSIONAL DEVELOPMENT TRAINING PROGRAMS:**

To help cadets gain knowledge of the challenges in leadership and human relations encountered by a junior Air Force officer and to motivate them toward an Air Force career, cadets have the opportunity to participate in a variety of summer professional development training programs. Some of these programs are:

- **ASSIST:** Rising sophomore cadets spend 2 weeks touring an active duty Air Force base and 'shadowing' junior officers in various career fields.

- **Nurse Orientation Program:** During a 4-week internship program at Wilford Hall USAF Medical Center, Lackland AFB, TX, nursing cadets receive hands-on experience and practical knowledge of Air Force nursing.

- **Operation Air Force:** A 3-week program of general orientation and 'shadowing' of junior officers in various career fields. Program conducted at Air Force installations throughout the United States and overseas.

- **US Air Force Academy Soaring:** A 15-day program designed to give cadets the chance to experience the basic fundamentals of flight in non-powered glider operations. Cadets receive instruction in basic flight through ground school and actual flight, leading up to and possibly including cadet solo.

- **Academy Freefall Parachute Training:** A 12-day program conducted at the US Air Force Academy—successful completion of program results in cadet receiving parachutist rating.

- **British Exchange:** Cadets are attached to a British University Air Squadron for 17 days of training and orientation at various Royal Air Force Bases in the United Kingdom.

- **Pentagon Internship Program:** A 3-week program to provide cadets an opportunity to work in the Pentagon. Students selected for the program gain problem-solving experience working with both military and civilian personnel on real world issues and participate as a team member with professionals in their chosen field of study.
Advanced Studies

THE COLLEGE OF LAW

Richard S. Wirtz, Dean
John Sobieski, Jr., Associate Dean

The College of Law has, since 1890, continuously sought to provide high-quality legal education in a University community. The college offers a professional curriculum leading to the degree of Doctor of Jurisprudence. Two dual degree programs are available in conjunction with the College of Law: the J.D.-MBA program with the College of Business Administration and J.D.-M.P.A. program with the Department of Political Science.

Information regarding admission, financial aid, academic policies, extracurricular activities, and student services is available from the Admissions Office, The University of Tennessee, College of Law, 1505 W. Cumberland Ave., Knoxville, Tennessee 37996-1810. Completed applications should be received before February 1 of the year of requested admission.

COLLEGE OF VETERINARY MEDICINE

Michael Shires, Dean
James J. Brace, Associate Dean

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

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

Graduate Admissions and Records

Jay Sprecher, Assistant Director, Graduate Admissions and Records

The University of Tennessee is the official land-grant institution for the State of Tennessee with its main campus in Knoxville. UT Knoxville is the state’s largest and most comprehensive institution, and is the only state-supported “Research University I” (Carnegie Classification) in Tennessee. A wide range of graduate programs leading to the Master’s and doctoral degrees is available. The University offers Master’s programs in 76 fields of specialization and doctoral work in 45. Approximately 6,000 graduate students are enrolled, both on and off campus.

The Graduate School administration develops procedures to implement the policies formulated by the Graduate Council, and has primary responsibility for Graduate School admissions and records. Much of the day-to-day administration of graduate study is conducted by department heads or faculty advisors and committees responsible for particular programs.
COMPARATIVE AND EXPERIMENTAL MEDICINE
J OINT GRADUATE PROGRAM

L.N.D. Potgieter, Director

Coordinating Committee:
M.D. Karstad; J.E. Lawler; C. Lozzio; L.N.D. Potgieter; D.O. Slauson.

The Comparative and Experimental Medicine degree program (M.S. and Ph.D.) is jointly administered by the College of Veterinary Medicine, the College of Medicine/Knoxville Unit, and the University of Tennessee, Knoxville Graduate School. The graduate program is intended to prepare students for teaching and/or research careers in the health sciences, emphasizing the comparative approach to the study of experimental pathobiology, pharmacokinetics, epidemiology, clinical medicine, immunopathology, hematology, infectious diseases, aberrant metabolism, oncology, and genetic disorders. For complete information, refer to the Graduate Catalog.

SPACE INSTITUTE

T. Dwayne McCoy, Vice President
K.C. Reddy, Dean for Academic Affairs

The Space Institute is a graduate education and research institution established in 1964 on a 365-acre lakeshore campus in Middle Tennessee. UTSI has evolved into an internationally recognized institution for graduate study and research in engineering, physics, mathematics, and computer science. The accredited academic programs and educational policies of the Space Institute have their origins and in appropriate departments of The University of Tennessee, Knoxville. The more than 40 faculty members of the Institute carry out these accredited academic programs through classroom teaching, informal seminars, active research, and directing the research of their students in an environment of creative work and advanced study. Programs are available to students desiring full-time or part-time effort toward M.S. and Ph.D. degrees, those interested in continuing education for updating and broadening knowledge, and those who wish to pursue post-doctoral research.

Graduate degree programs are available with majors in Aerospace Engineering, Aviation Systems, Chemical Engineering, Computer Science, Electrical Engineering, Engineering Science, Industrial Engineering (engineering management concentration), Mathematics, Mechanical Engineering, Metallurgical Engineering, and Physics. In addition to the fundamental studies characteristic of each discipline, research opportunities are available in many areas including aerodynamics, fluid mechanics, advanced space propulsion, neural networks, energy conversion processes, superconducting materials, thermal sciences, coal combustion, magnetohydrodynamics, plasma physics, space systems, propulsion, computational fluid dynamics, and other aspects of atmospheric and space flight.

The Institute has an established Center of Excellence in Laser Applications and offers graduate studies and research opportunities in laser diagnostics, laser materials interactions, picosecond processes, and coherent and nonlinear optics.

The Institute was established in part to increase the research and engineering resources of Tennessee through education and practice in relevant scientific and technical areas and in part to interface University faculty and student research with the Air Force Arnold Engineering Development Center. The faculty, research activities, and facilities of the Institute and those available at Arnold Center through appropriate contractual arrangements, provide students an unusual opportunity for significant research in these areas. Students who enroll at UTSI are admitted to The Graduate School, The University of Tennessee, Knoxville. Graduate Research Assistantships are available for qualified students. Further information may be obtained from the Dean, The University of Tennessee Space Institute, Tullahoma, Tennessee 37388.
Majors and Degree Programs

DEGREE

College of Agricultural Sciences and Natural Resources
Agricultural and Extension Education M.S.
Agricultural Economics M.S., Ph.D.
Biotechnology Engineering M.S., Ph.D.
Biotechnology Engineering Technology M.S.
African Science M.S., Ph.D.
Entomology and Plant Pathology M.S.
Food Science and Technology M.S., Ph.D.
Forestry M.S.
Ornamental Horticulture and Landscape Design M.S.
Plant and Soil Science M.S., Ph.D.
Wildlife and Fisheries Sciences M.S.

College of Architecture and Planning
Architecture M.ARCH.
Planning M.S.P.

College of Arts and Sciences
Anthropology M.A., Ph.D.
Art M.F.A.
Astronomy M.A.
Biochemistry & Cellular & Molecular Biology M.S., Ph.D.
Botany M.S., Ph.D.
Chemistry M.S., Ph.D.
Computer Science M.S., Ph.D.
Ecology & Evolutionary Biology M.S., Ph.D.
English M.A., Ph.D.
French M.A.
Geography M.S., Ph.D.
Geology M.S., Ph.D.
German M.A.
History M.A., Ph.D.
Life Sciences M.S., Ph.D.
Mathematics M.Math., M.S., Ph.D.
Microbiology M.S., Ph.D.
Modern Foreign Languages Ph.D.
Music M.Mus.
Philosophy M.A., Ph.D.
Physics M.S., Ph.D.
Political Science M.A., Ph.D.
Psychology M.A., Ph.D.
Public Administration M.P.A., J.D.-M.P.A.
Sociology M.A., Ph.D.
Sociology M.A.
Speech and Hearing Science Ph.D.
Speech Pathology M.A.
Theater M.F.A.

College of Business Administration
Accounting M.Acc.
Business Administration M.B.A., J.D.-M.B.A., Ph.D.
Economics M.A., Ph.D.
Industrial and Organizational Psychology Ph.D.
Management Science M.S., Ph.D.
Statistics M.S.

College of Communications
Communications M.S., Ph.D.

DEGREE

College of Education
College Student Personnel Counseling M.S.
Education M.S.
Education M.S., Ed.S., Ed.D.
Educational Psychology M.S.
Human Performance and Sport Studies M.S.
Leadership Studies in Education M.S.

College of Engineering
Aerospace Engineering M.S., Ph.D.
Chemical Engineering M.S., Ph.D.
Civil Engineering M.S., Ph.D.
Computer Engineering M.S., Ph.D.
Engineering Science M.S., Ph.D.
Environmental Engineering M.S.
Industrial Engineering M.S.
Mechanical Engineering M.S., Ph.D.
Metallurgical Engineering M.S., Ph.D.
Nuclear Engineering M.S., Ph.D.
Polymer Engineering M.S., Ph.D.

College of Human Ecology
Child and Family Studies M.S.
Health Promotion and Health Education M.S.
Human Ecology Ph.D.
Human Resource Development M.S.
Nutrition M.S.
Public Health M.P.H.
Recreation, Tourism, & Hospitality Management M.S.
Safety Education and Service M.S.
Textiles, Printing and Consumer Sciences M.S.

Intercollegiate
Aviation Systems (UTSI only) M.S.
Comparative and Experimental Medicine M.S., Ph.D.

College of Law
Law J.D., J.D.-M.B.A., J.D.-M.P.A.

College of Medical Sciences
Veterinary Medicine D.V.M.

School of Biomedical Sciences
Bioscience M.S.

School of Information Sciences
Information Sciences M.S.
Continuing Studies and Distance Education

Linda R. Painter, Interim Associate Vice Chancellor and Dean
Norvelt L. Burkett, Associate Dean of Non-Credit Programs
Robert H. Jackson, Director of Administrative Systems

Continuing Studies and Distance Education is the administrative unit of UT Knoxville that extends academic courses, educational services, and other programs to the non-traditional student. While most people who participate in the programs are adults, persons of all ages and academic levels can be counted among the people who enroll in the credit and non-credit offerings of the Division.

Programs and courses are based upon student needs and desires, whether for self-motivated learning, for leisure and recreational programs, or for professional promotion, certification, licensure, relicensure, or mid-career changes. The Division provides educational opportunities through program coordination and development of the four departments: Department of Conferences, Department of Distance Education and Independent Study, English Language Institute, and UT Community Programs. Specific programs and services of each department are described on the following pages.

DEPARTMENT OF CONFERENCES

Director: Norvelt Burkett, Ed.D. Mississippi State University
Assistant Director: Robert Gibbs, B.S. Tennessee
Program Manager: Barbara Bester

Conference Specialists:
Sue Davis, B.S. Tennessee
Margaret Harris
Barry Neal, B.S. Tennessee

UT Conferences, housed in the Conference Center Building in downtown Knoxville, provides management services to UT departments and faculty or outside groups who desire to hold a high quality conference or meeting anywhere in Tennessee or across the United States. Utilizing the Conference Center, major hotels and convention centers across Tennessee and the U.S., UT Conferences assists organizations in designing and managing programs to meet the needs of meeting attendees. The staff provides professional guidance and management for small group meetings as well as for major conventions of several thousand delegates. Consulting and support services can include planning and budgeting, lodging, food services, speakers, promotional materials, meeting site management and all details to ensure a successful event. Some programs qualify for Continuing Education Units (CEUs), which become a permanent record maintained by the Division.

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Professional groups and interested individuals can request interactive videoconferencing to locations worldwide. Arrangements can also be made to receive (downlink) programming or transmit (uplink) programming via satellites. Additional information may be obtained from UT Conferences, P.O. Box 2648, Knoxville, TN 37901, or by calling (423) 974-0250, FAX (423) 974-0264. E-mail: UTConferences@gateway.ce.utk.edu

ENGLISH LANGUAGE INSTITUTE

Director: Dale A. Myers, Ph.D., Florida
Assistant Director: Jan G. Hitt, M.S., Tennessee

Instructors:
Amir F. Arzani M.Ed., Tennessee
Mustafa Rahbar, M.Ed., Tennessee

The English Language Institute (ELI) is a non-credit language-study program of The University of Tennessee, Knoxville. It is designed to assist students in their pursuit of career goals or educational objectives in the United States. The ELI offers intensive courses for the improvement of student skills in the English language. International students, visitors, and professionals have successfully learned English through study in the ELI.

The courses emphasize the development of communicative ability in listening, speaking, reading, and writing. Faculty members are trained in teaching English to speakers of other languages with differing national backgrounds and varying proficiency in English. The curriculum consists of eight proficiency levels: 101-106, introductory through Pre-Academic.

Classes meet 3-5 periods each day with emphasis on the following:
- English Structure (Grammar)
- Listening Comprehension
- Writing/Composition (Rhetoric)
- Conversation Practice for Communicative Purposes

In addition, classes also assist students in pronunciation, test-taking strategies, U.S. culture orientation, and university study skills. Additional information may be obtained at 907 Mountcastle Street; telephone (423) 974-3404, FAX (423) 974-3424. E-mail: UTKELI@gateway.ce.utk.edu
Website: http://www.ce.utk.edu/eli

UT COMMUNITY PROGRAMS

Acting Director: Norvelt Burkett, Ed.D. Mississippi State University

Coordinators:
Nissa Dahlin-Brown, M.S. Tennessee
Elaine Kenner, M.S. Tennessee

UT Community Programs provides a comprehensive array of non-credit courses and seminars designed to serve the needs of...